Data Set Name: bridge_fuq_nhlbiv1_180716.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	EVENTNAME	Char	30	
3	FORM	Char	10	
4	VISIT	Char	10	
5	FUQ01	Char	1	1) (Do not ask participant) Participant status (choose one):
6	FUQ01C	Char	1	1c) Do you know if (insert decedent's name) was hospitalized or visited an emergency room for any reason since (date of last contact) and his/her death?
7	FUQ02	Char	1	2) Since your last (clinic visit or telephone contact) on (date), have you had a flare-up of your chest trouble?
8	FUQ02A	Num	8	2a) How many episodes of chest trouble flare ups have you had since (date)?
9	FUQ3A	Char	1	3a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
10	FUQ3B	Char	1	3b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
11	FUQ3C	Char	1	3c) Did you take additional antibiotics but without contacting a healthcare provider?
12	FUQ3D	Char	1	3d) Did you take additional oral steroids but without contacting a healthcare provider?
13	FUQ3E	Char	1	3e) Were you evaluated in a physician's office or urgent care?
14	FUQ03E1	Num	8	3e1) An additional antibiotic
15	FUQ03E2	Num	8	3e2) Additional steroids
16	FUQ03E3	Num	8	3e3) Don't know
17	FUQ03E4	Num	8	3e4) Don't remember
18	FUQ03F	Char	1	3f) Were you evaluated in an Emergency Department?
19	FUQ03F1	Num	8	3f1) An additional antibiotic
20	FUQ03F2	Num	8	3f2) Additional steroids
21	FUQ03F3	Num	8	3f3) Don't know
22	FUQ03F4	Num	8	3f4) Don't remember
23	FUQ03G	Char	1	3g) Were you admitted to the hospital?
24	FUQ05	Char	1	5) (do not ask) Did the participant have a second episode?
25	FUQ06A	Char	1	6a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
26	FUQ06B	Char	1	6b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
27	FUQ06C	Char	1	6c) Did you take additional antibiotics but without contacting a healthcare provider?
28	FUQ06D	Char	1	6d) Did you take additional oral steroids but without contacting a healthcare provider?
29	FUQ06E	Char	1	6e) Were you evaluated in a physician's office or urgent care?

Num	Variable	Type	Len	Label
30	FUQ06E1	Num	8	6e1) An additional antibiotic
31	FUQ06E2	Num	8	6e2) Additional steroids
32	FUQ06E3	Num	8	6e3) Don't know
33	FUQ06E4	Num	8	6e4) Don't remember
34	FUQ06F	Char	1	6f) Were you evaluated in an Emergency Department?
35	FUQ06F1	Num	8	6f1) An additional antibiotic
36	FUQ06F2	Num	8	6f2) Additional steroids
37	FUQ06F3	Num	8	6f3) Don't know
38	FUQ06F4	Num	8	6f4) Don't remember
39	FUQ06G	Char	1	6g) Were you admitted to the hospital?
40	FUQ08	Char	1	8) (do not ask) Did the participant have a third episode?
41	FUQ09A	Char	1	9a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
42	FUQ09B	Char	1	9b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
43	FUQ09C	Char	1	9c) Did you take additional antibiotics but without contacting a healthcare provider?
44	FUQ09D	Char	1	9d) Did you take additional oral steroids but without contacting a healthcare provider?
45	FUQ09E	Char	1	9e) Were you evaluated in a physician's office or urgent care?
46	FUQ09E1	Num	8	9e1) An additional antibiotic
47	FUQ09E2	Num	8	9e2) Additional steroids
48	FUQ09E3	Num	8	9e3) Don't know
49	FUQ09E4	Num	8	9e4) Don't remember
50	FUQ09F	Char	1	9f) Were you evaluated in an Emergency Department?
51	FUQ09F1	Num	8	9f1) An additional antibiotic
52	FUQ09F2	Num	8	9f2) Additional steroids
53	FUQ09F3	Num	8	9f3) Don't know
54	FUQ09F4	Num	8	9f4) Don't remember
55	FUQ09G	Char	1	9g) Were you admitted to the hospital?
56	FUQ11	Char	1	11) (do not ask) Did the participant have a fourth episode?
57	FUQ12A	Char	1	12a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
58	FUQ12B	Char	1	12b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
59	FUQ12C	Char	1	12c) Did you take additional antibiotics but without contacting a healthcare provider?
60	FUQ12D	Char	1	12d) Did you take additional oral steroids but without contacting a healthcare provider?
61	FUQ12E	Char	1	12e) Were you evaluated in a physician's office or urgent care?
62	FUQ12E1	Num	8	12e1) An additional antibiotic

Num	Variable	Type	Len	Label
63	FUQ12E2	Num	8	12e2) Additional steroids
64	FUQ12E3	Num	8	12e3) Don't know
65	FUQ12E4	Num	8	12e4) Don't remember
66	FUQ12F	Char	1	12f) Were you evaluated in an Emergency Department?
67	FUQ12F1	Num	8	12f1) An additional antibiotic
68	FUQ12F2	Num	8	12f2) Additional steroids
69	FUQ12F3	Num	8	12f3) Don't know
70	FUQ12F4	Num	8	12f4) Don't remember
71	FUQ12G	Char	1	12g) Were you admitted to the hospital?
72	FUQ14	Char	1	14) (do not ask) Did the participant have a fifth episode?
73	FUQ15A	Char	1	15a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
74	FUQ15B	Char	1	15b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
75	FUQ15C	Char	1	15c) Did you take additional antibiotics but without contacting a healthcare provider?
76	FUQ15D	Char	1	15d) Did you take additional oral steroids but without contacting a healthcare provider?
77	FUQ15E	Char	1	15e) Were you evaluated in a physician's office or urgent care?
78	FUQ15E1	Num	8	15e1) An additional antibiotic
79	FUQ15E2	Num	8	15e2) Additional steroids
80	FUQ15E3	Num	8	15e3) Don't know
81	FUQ15E4	Num	8	15e4) Don't remember
82	FUQ15F	Char	1	15f) Were you evaluated in an Emergency Department?
83	FUQ15F1	Num	8	15f1) An additional antibiotic
84	FUQ15F2	Num	8	15f2) Additional steroids
85	FUQ15F3	Num	8	15f3) Don't know
86	FUQ15F4	Num	8	15f4) Don't remember
87	FUQ15G	Char	1	15g) Were you admitted to the hospital?
88	FUQ17	Char	1	17) (do not ask) Did the participant have a sixth episode?
89	FUQ18A	Char	1	18a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
90	FUQ18B	Char	1	18b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
91	FUQ18C	Char	1	18c) Did you take additional antibiotics but without contacting a healthcare provider?
92	FUQ18D	Char	1	18d) Did you take additional oral steroids but without contacting a healthcare provider?
93	FUQ18E	Char	1	18e) Were you evaluated in a physician's office or urgent care?
94	FUQ18E1	Num	8	18e1) An additional antibiotic
95	FUQ18E2	Num	8	18e2) Additional steroids

Num	Variable	Type	Len	Label
96	FUQ18E3	Num	8	18e3) Don't know
97	FUQ18E4	Num	8	18e4) Don't remember
98	FUQ18F	Char	1	18f) Were you evaluated in an Emergency Department?
99	FUQ18F1	Num	8	18f1) An additional antibiotic
100	FUQ18F2	Num	8	18f2) Additional steroids
101	FUQ18F3	Num	8	18f3) Don't know
102	FUQ18F4	Num	8	18f4) Don't remember
103	FUQ18G	Char	1	18g) Were you admitted to the hospital?
104	FUQ20	Char	1	Since your last (center visit or telephone contact) on (date), have you at any time been admitted to a hospital (For COPD Participants: for any reason other than a chest flare up)?
105	FUQ20A	Num	8	20a) How many hospitalizations have you had since (date)?
106	FUQ21E	Char	1	21e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
107	FUQ22E	Char	1	22e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
108	FUQ23E	Char	1	23e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
109	FUQ24E	Char	1	24e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
110	FUQ25E	Char	1	25e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
111	FUQ27	Char	1	27) Did your doctor put you on oxygen?
112	FUQ28	Char	1	28) Have you been listed for or received a lung transplant?
113	FUQ29	Char	1	29) Are you currently smoking cigarettes?
114	FUQ30	Char	1	30) Since your last (clinic visit or telephone contact) on (date), have you been diagnosed with other medical problems or been injured?
115	FUQ31A	Char	1	31a) Lung cancer
116	FUQ31B	Char	1	31b) Other type of cancer
117	FUQ31B1	Char	20	If so, what type?
118	FUQ31C	Char	1	31c) Diabetes
119	FUQ31D	Char	1	31d) Blood Clots
120	FUQ31E	Char	1	31e) Osteoporosis
121	FUQ31F	Char	1	31f) Broken Hip
122	FUQ31G	Char	1	31g) Heart attack or myocardial infarction
123	FUQ31H	Char	1	31h) Stroke
124	FUQ31I	Char	1	31i) Coronary artery disease (atherosclerosis)
125	FUQ01AY	Num	8	Year of 1a) What was the date of death?
126	FUQ04AY	Num	8	Year of 4a) What was the date of this event?
127	FUQ07AY	Num	8	Year of 7a) What was the date of this event?
128	FUQ0AY	Num	8	Year of Form Date

Num	Variable	Type	Len	Label
129	FUQ10AY	Num	8	Year of 10a) What was the date of this event?
130	FUQ13AY	Num	8	Year of 13a) What was the date of this event?
131	FUQ21AY	Num	8	Year of 21a) What was the date of this event?
132	FUQ22AY	Num	8	Year of 22a) What was the date of this event?
133	FUQ23AY	Num	8	Year of 23a) What was the date of this event?
134	FUQ24AY	Num	8	Year of 24a) What was the date of this event?
135	FUQ25AY	Num	8	Year of 25a) What was the date of this event?
136	FUQ26AY	Num	8	Year of 26a) What was the date of this event?
137	VERSION	Char	21	
138	BMI_AUX_CM01	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) at baseline
139	HT_CM01	Num	8	Height (cm) (ANT02) at baseline
140	WT_KG01	Num	8	Weight (kg) (ANT03) at baseline
141	BMI_AUX_CM02	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year1)
142	HT_CM02	Num	8	Height (cm) (ANT02) (for visit=Year1)
143	WT_KG02	Num	8	Weight (kg) (ANT03) (for visit=Year1)
144	BMI_AUX_CM03	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year2)
145	HT_CM03	Num	8	Height (cm) (ANT02) (for visit=Year2)
146	WT_KG03	Num	8	Weight (kg) (ANT03) (for visit=Year2)
147	BMI_AUX_CM04	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year3)
148	HT_CM04	Num	8	Height (cm) (ANT02) (for visit=Year3)
149	WT_KG04	Num	8	Weight (kg) (ANT03) (for visit=Year3)
150	BMI_AUX_IN01	Num	8	BMI (computed by SC from imperial units) (from IEC05a,b at BASELINE)
151	GENDER	Num	8	Gender (1=Male,2=Female) (IEC04)
152	HT_IN01	Num	8	Height (in) (IEC05a)
153	AGE01	Num	8	Age at Baseline (years) (DEM01a)
154	ETHNICITY	Num	8	Ethnicity (1=Hispanic,0=Non-hispanic) (DEM05 or DEM05a)
155	RACE	Num	8	Race (1=White,2=Black,3=Asian,4=Amer.Ind./Pacif.Isl.,6=Mixed,7=Missing)(from DEM06a-e)
156	AGE_DERV_01	Num	8	Age in years at baseline based on date of birth and date of enrollment
157	AGE_DERV_02	Num	8	Age in years at year 1 visit based on date of birth and date of visit
158	AGE_DERV_03	Num	8	Age in years at year 2 visit based on date of birth and date of visit
159	AGE_DERV_04	Num	8	Age in years at year 3 visit based on date of birth and date of visit
160	AGECAT_BY05	Num	8	Age at Baseline in 5 year groupings (1=40-<45, 2=45-<50, 3=50-<55,4=55-<60, 5=60-<65,6=65-<70, 7=70-<75, 8=75,<80)

Num	Variable	Type	Len	Label
161	AGECAT_BY10	Num	8	Age at Baseline in 10 year groupings (1=40-<50, 2=50-<60, 3=60-<70, 4=70-<80)
162	AGE02	Num	8	Age at Year 1 (years)
163	AGE03	Num	8	Age at Year 2 (years)
164	AGE04	Num	8	Age at Year 3 (years)
165	PRED_FEV1_V1	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at baseline
166	PRED_FEV1_V2	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 1
167	PRED_FEV1_V3	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 2
168	PRED_FEV1_V4	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 3
169	PRED_FVC_V1	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at baseline
170	PRED_FVC_V2	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 1
171	PRED_FVC_V3	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 2
172	PRED_FVC_V4	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 3
173	PRED_FEF2575_V1	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at baseline
174	PRED_FEF2575_V2	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 1
175	PRED_FEF2575_V3	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 2
176	PRED_FEF2575_V4	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 3
177	PRED_PEFR_V1	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at baseline
178	PRED_PEFR_V2	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 1
179	PRED_PEFR_V3	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 2
180	PRED_PEFR_V4	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 3
181	PRED_FEV1FVC_V1	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at baseline
182	PRED_FEV1FVC_V2	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 1
183	PRED_FEV1FVC_V3	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 2
184	PRED_FEV1FVC_V4	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 3

Num	Variable	Type	Len	Label
185	PCT_PRE_FEV1_V1	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V1)) at baseline
186	PCT_PRE_FEV1_V2	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V2)) at year 1
187	PCT_PRE_FEV1_V3	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V3)) at year 2
188	PCT_PRE_FEV1_V4	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V4)) at year 3
189	PCT_PRE_FVC_V1	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V1)) at baseline
190	PCT_PRE_FVC_V2	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V2)) at year 1
191	PCT_PRE_FVC_V3	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V3)) at year 2
192	PCT_PRE_FVC_V4	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V4)) at year 3
193	PCT_PRE_FEV1FVC_V1	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V1)) at baseline
194	PCT_PRE_FEV1FVC_V2	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V2)) at year 1
195	PCT_PRE_FEV1FVC_V3	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V3)) at year 2
196	PCT_PRE_FEV1FVC_V4	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V4)) at year 3
197	PCT_PRE_PEFR_V1	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V1)) at baseline
198	PCT_PRE_PEFR_V2	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V2)) at year 1
199	PCT_PRE_PEFR_V3	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V3)) at year 2
200	PCT_PRE_PEFR_V4	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V4)) at year 3
201	PCT_PRE_SVC_V1	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V1)) at baseline
202	PCT_PRE_SVC_V2	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V2)) at year 1
203	PCT_PRE_SVC_V3	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V3)) at year 2
204	PCT_PRE_SVC_V4	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V4)) at year 3
205	PCT_PRE_FEF2575_V1	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V1)) at baseline

Num	Variable	Type	Len	Label
206	PCT_PRE_FEF2575_V2	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V2)) at year 1
207	PCT_PRE_FEF2575_V3	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V3)) at year 2
208	PCT_PRE_FEF2575_V4	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V4)) at year 3
209	PCT_POST_FEV1_V1	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V1)) at baseline
210	PCT_POST_FEV1_V2	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V2)) at year 1
211	PCT_POST_FEV1_V3	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V3)) at year 2
212	PCT_POST_FEV1_V4	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V4)) at year 3
213	PCT_POST_FVC_V1	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V1)) at baseline
214	PCT_POST_FVC_V2	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V2)) at year 1
215	PCT_POST_FVC_V3	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V3)) at year 2
216	PCT_POST_FVC_V4	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V4)) at year 3
217	PCT_POST_FEV1FVC_V1	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V1)) at baseline
218	PCT_POST_FEV1FVC_V2	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V2)) at year 1
219	PCT_POST_FEV1FVC_V3	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V3)) at year 2
220	PCT_POST_FEV1FVC_V4	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V4)) at year 3
221	PCT_POST_PEFR_V1	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V1)) at baseline
222	PCT_POST_PEFR_V2	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V2)) at year 1
223	PCT_POST_PEFR_V3	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V3)) at year 2
224	PCT_POST_PEFR_V4	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V4)) at year 3
225	PCT_POST_SVC_V1	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V1)) at baseline
226	PCT_POST_SVC_V2	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V2)) at year 1

Num	Variable	Type	Len	Label
227	PCT_POST_SVC_V3	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V3)) at year 2
228	PCT_POST_SVC_V4	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V4)) at year 3
229	PCT_POST_FEF2575_V1	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V1)) at baseline
230	PCT_POST_FEF2575_V2	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V2)) at year 1
231	PCT_POST_FEF2575_V3	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V3)) at year 2
232	PCT_POST_FEF2575_V4	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V4)) at year 3
233	LLN_FEV1_FVC_V1	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at baseline
234	LLN_FEV1_FVC_V2	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 1
235	LLN_FEV1_FVC_V3	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 2
236	LLN_FEV1_FVC_V4	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 3
237	LLN_FEV1_V1	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at baseline
238	LLN_FEV1_V2	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 1
239	LLN_FEV1_V3	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 2
240	LLN_FEV1_V4	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 3
241	LLN_FVC_V1	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at baseline
242	LLN_FVC_V2	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 1
243	LLN_FVC_V3	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 2
244	LLN_FVC_V4	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 3
245	LLN_FEF2575_V1	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at baseline
246	LLN_FEF2575_V2	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 1
247	LLN_FEF2575_V3	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 2
248	LLN_FEF2575_V4	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 3

Num	Variable	Type	Len	Label
249	PRED_FEV1	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height)
250	GOLD_STAGE_COPD_SEVERITY	Num	8	GOLD Stage of COPD Severity at baseline
251	STRATUM	Num	8	
252	WITHDRAWN	Num	8	Withdrawn (1=Yes,0=No) (from RSW01 and RSW02)
253	SIX_MINUTE_WALK_DISTANCE01	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at BASELINE)
254	BODE_INDEX01	Num	8	BODE Index at BASELINE
255	SIX_MINUTE_WALK_DISTANCE02	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR1)
256	BODE_INDEX02	Num	8	BODE Index at YEAR1
257	SIX_MINUTE_WALK_DISTANCE03	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR2)
258	BODE_INDEX03	Num	8	BODE Index at YEAR2
259	SIX_MINUTE_WALK_DISTANCE04	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR3)
260	BODE_INDEX04	Num	8	BODE Index at YEAR3
261	BRONCH_ELIGIBLE	Num	8	Eligible for bronchoscopy substudy (1=Yes,0=No)
262	BRONCH_AGE01	Num	8	Age when screened for bronchoscopy substudy (BIE3)
263	PEX_TOT0101	Num	8	Total Exacerbations for baseline
264	PEX_HCUTOT0101	Num	8	Exacerbations requiring HCU for baseline
265	PEX_ANTITOT0101	Num	8	Exacerbations treated with antibiotics for baseline
266	PEX_STEROIDTOT0101	Num	8	Exacerbations treated with steroids for baseline
267	PEX_DRUGTOT0101	Num	8	Exacerbations treated with medications for baseline
268	PEX_SEVERETOT0101	Num	8	Exacerbations requiring ED visit or hospitalization for baseline
269	COPDSCORE0101	Num	8	COPD Assessment Test Score at visit 1
270	COPDSCORE0102	Num	8	COPD Assessment Test Score at visit 2
271	COPDSCORE0103	Num	8	COPD Assessment Test Score at visit 3
272	COPDSCORE0104	Num	8	COPD Assessment Test Score at visit 4
273	GOLD_MMRC0101	Char	1	Baseline GOLD status using the revised criteria and mMRC at baseline
274	GOLD_CAT0101	Char	1	Baseline GOLD status using the revised criteria and CAT at baseline
275	CB_VISIT1	Num	8	Chronic Bronchitis identified at baseline
276	ASTHMA_BASELINE	Num	8	Baseline Asthma
277	ASTHMA_EVER_REPORTED	Num	8	Ever Reported Asthma
278	EMPHYSEMA_VISIT1	Num	8	Possible emphysema at visit 1
279	PEX_TOT0102	Num	8	Total Exacerbations at year 1
280	PEX_SEVERETOT0102	Num	8	Total severe exacerbations at year 1
281	PEX_ANTITOT0102	Num	8	Total exacerbations treated with antibiotics at year 1
282	PEX_STEROIDTOT0102	Num	8	Total exacerbations treated with steroids at year 1
283	PEX_DRUGTOT0102	Num	8	Total exacerbations treated with medications at year 1
284	PEX_HCUTOT0102	Num	8	Total exacerbations requiring HCU at year 1
285	PEX_TOT0103	Num	8	Total Exacerbations at Year 2

Num	Variable	Type	Len	Label
286	PEX_SEVERETOT0103	Num	8	Total severe exacerbations at Year 2
287	PEX_ANTITOT0103	Num	8	Total exacerbations treated with antibiotics at Year 2
288	PEX_STEROIDTOT0103	Num	8	Total exacerbations treated with steroids at Year 2
289	PEX_DRUGTOT0103	Num	8	Total exacerbations treated with medications at Year 2
290	PEX_HCUTOT0103	Num	8	Total exacerbations requiring HCU at Year 2
291	PEX_TOT0104	Num	8	Total Exacerbations at Year 3
292	PEX_SEVERETOT0104	Num	8	Total severe exacerbations at Year 3
293	PEX_ANTITOT0104	Num	8	Total exacerbations treated with antibiotics at Year 3
294	PEX_STEROIDTOT0104	Num	8	Total exacerbations treated with steroids at Year 3
295	PEX_DRUGTOT0104	Num	8	Total exacerbations treated with medications at Year 3
296	PEX_HCUTOT0104	Num	8	Total exacerbations requiring HCU at Year 3
297	PEX_TOT	Num	8	Total count of exacerbations since entering the study
298	PEX_SEVERE	Num	8	Total count of exacerbations requiring ED visit or hospitalization since entering the study
299	PEX_ANTI	Num	8	total count of exacerbations treated with antibiotics since entering the study
300	PEX_STEROID	Num	8	total count of exacerbations treated with steroids since entering the study
301	PEX_DRUG	Num	8	total count of exacerbations treated with medications since entering the study
302	PEX_HCU	Num	8	total count of exacerbations requiring HCU since entering the study
303	DEATH	Num	8	indicator of deceased subject
304	DAYINSTUDY_DEATH	Num	8	Days in study till deceased
305	CURRENT_SMOKER_BRONCH	Num	8	
306	FOLLOWUP_DAYS	Num	8	Length of follow-up instudy including only main study contacts
307	EYES_ENT_CONDITION01	Num	8	History of Eyes, Ear, Nose, or Throat condition at baseline
308	CARDIOVASCULAR_CONDITION01	Num	8	History of Cardiovascular condition at baseline
309	GI_CONDITION01	Num	8	History of Gastrointestinal condition at baseline
310	PULMONARY_VASCULAR_CONDITION01	Num	8	History of Pulmonary/vascular condition at baseline
311	ONCOLOGY_HEMA_CONDITION01	Num	8	History of Oncology/hematology condition at baseline
312	GENITOURINARY_CONDITION01	Num	8	History of Genitourinary and Reproductive condition at baseline
313	ENDOCRINE_CONDITION01	Num	8	History of Endocrine condition at baseline
314	MUSCULAR_SKELETAL_CONDITION01	Num	8	History of Muscular/skeletal condition at baseline
315	DERMATOLOGY_CONDITION01	Num	8	History of Dermatology condition at baseline
316	INFECTIOUS_DISEASE_CONDITION01	Num	8	History of Infectious disease condition at baseline
317	PSYCHIATRIC_CONDITION01	Num	8	History of Psychiatric condition at baseline
318	CB_FATHER01	Num	8	Father has a reported history of chronic bronchitis at baseline (1=Yes, 2=No, Unknowns treated as missing)
319	CB_MOTHER01	Num	8	Mother has a reported history of chronic bronchitis
320	EMPHYSEMA_FATHER01	Num	8	Father has a reported history of Emphysema

Num	Variable	Type	Len	Label
321	EMPHYSEMA_MOTHER01	Num	8	Mother has a reported history of Emphysema
322	COPD_FATHER01	Num	8	Father has a reported history of COPD
323	COPD_MOTHER01	Num	8	Mother has a reported history of COPD
324	ASTHMA_FATHER01	Num	8	Father has a reported history of Asthma
325	ASTHMA_MOTHER01	Num	8	Mother has a reported history of Asthma
326	LUNGCA_FATHER01	Num	8	Father has a reported history of Lung Cancer
327	LUNGCA_MOTHER01	Num	8	Mother has a reported history of Lung Cancer
328	CB_DIAGNOSED01	Num	8	Chronic bronchitis diagnosed by a health professional reported at baseline (Yes=1, No=0, Unknowns treated as missing)
329	EMPHYSEMA_DIAGNOSED01	Num	8	Emphysema diagnosed by a health professional reported at baseline
330	COPD_DIAGNOSED01	Num	8	COPD diagnosed by a health professional reported at baseline
331	APNEA_DIAGNOSED01	Num	8	Sleep apnea diagnosed by a health professional reported at baseline
332	MCQ_TOT01	Num	8	Total MCQ score at baseline
333	VSASCORE01	Num	8	Baseline veteran specific activity score
334	FEV1_BDRESPONSE_HANKINSON01	Num	8	FEV1 Bronchodilator response, percent Hankinson 1999
335	FEV1_BDRESPONSE_PELLERGINO01	Num	8	FEV1 Bronchodilator response, volume (L) Pellergino 2005 (1=True, 0=False)
336	SMOKER_ECO_RECENT01	Num	8	recent smoking identified on eCO measurement at baseline
337	COPD_FOUNDATION_RANKING01	Char	3	COPD Foundation disease ranking
338	SMW_DSAT01	Num	8	Oxygen desaturation with the six minute walk
339	SMW_HYPOX01	Num	8	Hypoxemia with six minute walk
340	FAST_SCORE01	Num	8	FAST Alcohol Screening Score (derived from BMH25 - 28) (NOTE: Did not differentiate between males and females, Used >8 drinks for first screening question)
341	PREFEV1_LT_LLN01	Num	8	pre-bronchodilator FEV1 less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
342	PREFVC_LT_LLN01	Num	8	pre-bronchodilator FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
343	PREFEV1FVC_LT_LLN01	Num	8	pre-bronchodilator FEV1/FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
344	FVC_BDRESPONSE_PCT01	Num	8	FVC Bronchodilator response, percent baseline at Baseline
345	FVC_BDRESPONSE_VOL01	Num	8	FVC Bronchodilator response, volume (ml) at Baseline
346	FVC_BDRESPONSE_HANKINSON01	Num	8	FVC Bronchodilator response, percent Hankinson 1999 at Baseline
347	FVC_BDRESPONSE_PELLERGINO01	Num	8	FVC Bronchodilator response, volume (L) Pellergino 2005 at Baseline (1=True, 0=False)
348	POSTFEV1_LT_LLN01	Num	8	post-bronchodilator FEV1 less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
349	POSTFVC_LT_LLN01	Num	8	post-bronchodilator FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
350	POSTFEV1FVC_LT_LLN01	Num	8	post-bronchodilator FEV1/FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
351	POSTFEV1FVC_LT_70_01	Num	8	post_bronchodilator FEV1/FVC ratio less than 0.7 at Baseline (1=True, 0=False)

Num	Variable	Type	Len	Label
352	PREFEF2575_LT_LLN01	Num	8	pre-bronchodilator FEF25-75% less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
353	POSTFEF2575_LT_LLN01	Num	8	post-bronchodilator FEF25-75% less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
354	CURRENT_SMOKER_V1	Num	8	current smoking status at baseline
355	CURRENT_SMOKER_V2	Num	8	current smoking status at Year 1
356	CURRENT_SMOKER_V3	Num	8	current smoking status at Year 2
357	CURRENT_SMOKER_V4	Num	8	current smoking status at Year 3
358	BRONCH_DIAGNOSED01	Num	8	Attack of bronchitis diagnosed by a health professional reported at baseline (Yes=1; No=0; Unknowns treated as missing)
359	MENOPAUSE01	Char	8	Participant has reached menopause
360	SPUTUM_COLLECTED01	Num	8	Sputum sample collected at baseline
361	SPUTUM_METHOD01	Num	8	Method of specimen processing used for sputum collection at baseline
362	CBC_NEUTROPHIL_CNT01	Num	8	CBC Neutrophil CNT at baseline
363	CBC_NEUTROPHIL_PCT01	Num	8	CBC Neutrophil PCT at baseline
364	CBC_LYMPHOCYTE_CNT01	Num	8	CBC lymphocyte CNT at baseline
365	CBC_LYMPHOCYTE_PCT01	Num	8	CBC lymphocyte PCT at baseline
366	CBC_MONOCYTE_CNT01	Num	8	CBC monocyte CNT at baseline
367	CBC_MONOCYTE_PCT01	Num	8	CBC monocyte PCT at baseline
368	CBC_EOSINOPHIL_CNT01	Num	8	CBC eosinophil CNT at baseline
369	CBC_EOSINOPHIL_PCT01	Num	8	CBC eosinophil PCT at baseline
370	CBC_BASOPHIL_CNT01	Num	8	CBC basophil CNT at baseline
371	CBC_BASOPHIL_PCT01	Num	8	CBC basophil PCT at baseline
372	VGDF_EVER01	Num	8	Ever exposed to vapors, gas, dust, or fumes at baseline
373	VGDF_YEARS01	Num	8	Years exposed to vapors, gas, dust or fumes at baselined
374	LONGESTJOBDURATION01	Num	8	Duration in years of longest job ever worked at baseline
375	VGDF_LONGESTJOB01	Num	8	Exposed to vapors, gas, dust, or fumes during longest job
376	SMOKING_PACK_YEARS01	Num	8	Smoking pack-years at Baseline
377	SMOKING_PACK_YEARS02	Num	8	Smoking pack-years at Year 1
378	SMOKING_PACK_YEARS03	Num	8	Smoking pack-years at Year 2
379	SMOKING_PACK_YEARS04	Num	8	Smoking pack-years at Year 3
380	PEX_TOT_365	Num	8	total count of exacerbations in 365 days since entering the study
381	PEX_SEVERE_365	Num	8	total count of exacerbations requiring ED visit or hospitalization in 365 days since entering the study
382	PEX_ANTI_365	Num	8	total count of exacerbations treated with antibiotics in 365 days since entering the study
383	PEX_STEROID_365	Num	8	total count of exacerbations treated with steroids in 365 days since entering the study
384	PEX_DRUG_365	Num	8	total count of exacerbations treated with medications in 365 days since entering the study

Num	Variable	Type	Len	Label
385	PEX_HCU_365	Num	8	total count of exacerbations requiring HCU in 365 days since entering the study
386	FOLLOWUP_DEATH_DAYS	Num	8	Days in study. If deceased, then it is the days in study until death
387	V1_LAC_R_APEX_BASE_SLP_910DIF	Num	8	lac_r_apex_base_slp_910dif
388	V1_LAC_R_APEX_BASE_SLP_950DIF	Num	8	lac_r_apex_base_slp_950dif
389	V1_LAC_L_APEX_BASE_SLP_910DIF	Num	8	lac_l_apex_base_slp_910dif
390	V1_LAC_L_APEX_BASE_SLP_950DIF	Num	8	lac_l_apex_base_slp_950dif
391	V2_LAC_R_APEX_BASE_SLP_910DIF	Num	8	lac_r_apex_base_slp_910dif
392	V2_LAC_R_APEX_BASE_SLP_950DIF	Num	8	lac_r_apex_base_slp_950dif
393	V2_LAC_L_APEX_BASE_SLP_910DIF	Num	8	lac_l_apex_base_slp_910dif
394	V2_LAC_L_APEX_BASE_SLP_950DIF	Num	8	lac_l_apex_base_slp_950dif
395	V1_R_APEX_BASE_PCTBE910_RATIO	Num	8	r_apex_base_pctbe910_ratio
396	V1_R_APEX_BASE_PCTBE950_RATIO	Num	8	r_apex_base_pctbe950_ratio
397	V1_L_APEX_BASE_PCTBE910_RATIO	Num	8	l_apex_base_pctbe910_ratio
398	V1_L_APEX_BASE_PCTBE950_RATIO	Num	8	l_apex_base_pctbe950_ratio
399	V2_R_APEX_BASE_PCTBE910_RATIO	Num	8	r_apex_base_pctbe910_ratio
400	V2_R_APEX_BASE_PCTBE950_RATIO	Num	8	r_apex_base_pctbe950_ratio
401	V2_L_APEX_BASE_PCTBE910_RATIO	Num	8	l_apex_base_pctbe910_ratio
402	V2_L_APEX_BASE_PCTBE950_RATIO	Num	8	l_apex_base_pctbe950_ratio
403	V1_RB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB1+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
404	V1_RB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB10+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
405	V1_LB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB1+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
406	V1_LB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB10+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
407	V2_RB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB1+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
408	V2_RB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB10+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
409	V2_LB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB1+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
410	V2_LB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB10+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
411	V1_PI10_PATH_LEQ20_THICKEST	Num	8	Pi10_path_leq20_thickest
412	V1_PI10_PATH_LEQ20_AVG	Num	8	Pi10_path_leq20_avg

Num	Variable	Type	Len	Label
413	V2_PI10_PATH_LEQ20_THICKEST	Num	8	Pi10_path_leq20_thickest
414	V2_PI10_PATH_LEQ20_AVG	Num	8	Pi10_path_leq20_avg
415	BASELINE_ASTHMA_CHILD	Num	8	History of childhood asthma diagnosed by a physician reported at baseline
416	BASELINE_ASTHMA_DX	Num	8	History of asthma diagnosed by a physician reported at baseline
417	EMPH950_HIGH01	Num	8	Emphysema > ULN (defined by reference equation) at baseline
418	LOG950_VIDA01	Num	8	Log transformed uncorrected percent emphysema 950(VIDA) at baseline
419	EMPH_ULN01	Num	8	Upper limit of normal (defined by reference equation) at baseline
420	TOTALVOL_ULN_V1	Num	8	Upper limit of normal for total lung volume based on race, age, gender, height, and BMI at baseline
421	TOTALVOLUME_YES_V1	Num	8	indicator of total volume based total volum (BOTH_TOT_V) and totalvol_ULN at baseline
422	EMPH950_HIGH02	Num	8	Emphysema > ULN (defined by reference equation) at year1
423	LOG950_VIDA02	Num	8	Log transformed uncorrected percent emphysema 950(VIDA) at year1
424	EMPH_ULN02	Num	8	Upper limit of normal (defined by reference equation) at year1
425	TOTALVOL_ULN_V2	Num	8	Upper limit of normal for total lung volume based on race, age, gender, height, and BMI at year1
426	TOTALVOLUME_YES_V2	Num	8	indicator of total volume based total volum (BOTH_TOT_V) and totalvol_ULN at year1
427	DAYS_ENROLL_1STPEXREPORTDATE	Num	8	Number of days from the date of enrollment to form date the first any exacerbation - corrected 7/27/2018
428	DAYS_ENROLL_1STHOSPEX	Num	8	Number of days from the date of enrollment to the first exacerbation requiring hospitalization(.N for no hospitalized episode reported, .M hospitalized episode reported but date is missing) - corrected 7/27/2018
429	PEX_HOS_IND	Num	8	Total count of independent exacerbations requiring hospitalization since entering the study
430	PEX_HOS_LINKED	Num	8	Total count of linked exacerbations requiring hospitalization since entering the study
431	PEX_HOS_TOT	Num	8	Sum of PEX_HOS_IND and PEX_HOS_LINKED
432	SXSMKR2_FVC_CORE3_V1	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
433	SXSMKR2_FVC_CORE3_V2	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
434	SXSMKR2_FVC_CORE3_V3	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5

Num	Variable	Type	Len	Label
435	SXSMKR2_FVC_CORE3_V4	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
436	CB_SGRQ01	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Baseline
437	CB_SGRQ02	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 1
438	CB_SGRQ03	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 2
439	CB_SGRQ04	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 3
440	PEX_HCUDRUG0101	Num	8	History of HCU exacerbation treated with antibiotics or steroids at baseline
441	PEX_HCUDRUG	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids since entering the study
442	PEX_HCUDRUG_365	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids in the 365 days since entering the study (a,b,e1,e2, f1,f2)
443	PEX_HCUDRUG_730	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 366 and 730 days since entering the study (a,b,e1,e2, f1,f2)
444	PEX_HCUDRUG_1095	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 731 and 1095 days since entering the study (a,b,e1,e2, f1,f2)
445	PEX_HCUDRUG_1460	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 1096 and 1460 days since entering the study (a,b,e1,e2, f1,f2)
446	PEX_HCUDRUG_1825	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 1461 and 1825 days since entering the study (a,b,e1,e2, f1,f2)
447	PEX_HCUDRUG_CAT_365	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 365 days
448	PEX_HCUDRUG_CAT_730	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 730 days
449	PEX_HCUDRUG_CAT_1095	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 1095 days
450	APNEA_DIAGNOSED02	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
451	BRONCH_DIAGNOSED02	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
452	CB_DIAGNOSED02	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
453	COPD_DIAGNOSED02	Num	8	COPD Diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
454	EMPHYSEMA_DIAGNOSED02	Num	8	Emphysema diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
455	CB_VISIT02	Num	8	Chronic bronchitis identified at Visit 2 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
456	APNEA_DIAGNOSED03	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
457	BRONCH_DIAGNOSED03	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
458	CB_DIAGNOSED03	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
459	COPD_DIAGNOSED03	Num	8	COPD Diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
460	EMPHYSEMA_DIAGNOSED03	Num	8	Emphysema diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
461	CB_VISIT03	Num	8	Chronic bronchitis identified at Visit 3 (1=Yes, 0=No, 2=Unknown)
462	APNEA_DIAGNOSED04	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
463	BRONCH_DIAGNOSED04	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
464	CB_DIAGNOSED04	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
465	COPD_DIAGNOSED04	Num	8	COPD Diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
466	EMPHYSEMA_DIAGNOSED04	Num	8	Emphysema diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
467	CB_VISIT04	Num	8	Chronic bronchitis identified at Visit 4 (1=Yes, 0=No, 2=Unknown)
468	CARDIOVASCULAR_CONDITION02	Num	8	Cardiovascular condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
469	DERMATOLOGY_CONDITION02	Num	8	Dermatological condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
470	ENDOCRINE_CONDITION02	Num	8	Endocrine condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
471	EYES_ENT_CONDITION02	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
472	GENITOURINARY_CONDITION02	Num	8	Genitourinary and Reproductive condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
473	GI_CONDITION02	Num	8	Gastrointestinal condition at Visit 2 (1=Yes, 0=No, 2=Unknown)
474	INFECTIOUS_DISEASE_CONDITION02	Num	8	Infectious disease condition at Visit 2 (1=Yes, 0=No, 2=Unknown)
475	MUSCULAR_SKELETAL_CONDITION02	Num	8	Muscular/skeletal condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
476	ONCOLOGY_HEMA_CONDITION02	Num	8	Oncology/hematology condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
477	PSYCHIATRIC_CONDITION02	Num	8	Psychiatric condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
478	PULMONARY_VASCULAR_CONDITION02	Num	8	Pulmonary/vascular condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
479	NEUROLOGIC_CONDITION02	Num	8	History of neurologic condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
480	CARDIOVASCULAR_CONDITION03	Num	8	Cardiovascular condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
481	DERMATOLOGY_CONDITION03	Num	8	Dermatological condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
482	ENDOCRINE_CONDITION03	Num	8	Endocrine condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
483	EYES_ENT_CONDITION03	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
484	GENITOURINARY_CONDITION03	Num	8	Genitourinary and Reproductive condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
485	GI_CONDITION03	Num	8	Gastrointestinal condition at Visit 3 (1=Yes, 0=No, 2=Unknown)
486	INFECTIOUS_DISEASE_CONDITION03	Num	8	Infectious disease condition at Visit 3 (1=Yes, 0=No, 2=Unknown)
487	MUSCULAR_SKELETAL_CONDITION03	Num	8	Muscular/skeletal condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
488	ONCOLOGY_HEMA_CONDITION03	Num	8	Oncology/hematology condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
489	PSYCHIATRIC_CONDITION03	Num	8	Psychiatric condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
490	PULMONARY_VASCULAR_CONDITION03	Num	8	Pulmonary/vascular condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
491	NEUROLOGIC_CONDITION03	Num	8	History of neurologic condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
492	CARDIOVASCULAR_CONDITION04	Num	8	Cardiovascular condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
493	DERMATOLOGY_CONDITION04	Num	8	Dermatological condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
494	ENDOCRINE_CONDITION04	Num	8	Endocrine condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
495	EYES_ENT_CONDITION04	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
496	GENITOURINARY_CONDITION04	Num	8	Genitourinary and Reproductive condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
497	GI_CONDITION04	Num	8	Gastrointestinal condition at Visit 4 (1=Yes, 0=No, 2=Unknown)
498	INFECTIOUS_DISEASE_CONDITION04	Num	8	Infectious disease condition at Visit 4 (1=Yes, 0=No, 2=Unknown)
499	MUSCULAR_SKELETAL_CONDITION04	Num	8	Muscular/skeletal condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
500	ONCOLOGY_HEMA_CONDITION04	Num	8	Oncology/hematology condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
501	PSYCHIATRIC_CONDITION04	Num	8	Psychiatric condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
502	PULMONARY_VASCULAR_CONDITION04	Num	8	Pulmonary/vascular condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
503	NEUROLOGIC_CONDITION04	Num	8	History of neurologic condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
504	INHALEDBRONCHODILATORS01	Char	1	Inhaled bronchodilators used in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)
505	NEBULIZEDBRONCHODILATORS01	Char	1	Nebulized bronchodilators usage in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
506	INHALEDSTEROIDS01	Char	1	Inhaled steroids used in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)
507	INHALEDBRONCHODILATORS02	Char	1	Inhaled bronchodilators used in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
508	NEBULIZEDBRONCHODILATORS02	Char	1	Nebulized bronchodilators usage in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
509	INHALEDSTEROIDS02	Char	1	Inhaled steroids used in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
510	INHALEDBRONCHODILATORS03	Char	1	Inhaled bronchodilators used in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)
511	NEBULIZEDBRONCHODILATORS03	Char	1	Nebulized bronchodilators usage in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)
512	INHALEDSTEROIDS03	Char	1	Inhaled steroids used in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)
513	INHALEDBRONCHODILATORS04	Char	1	Inhaled bronchodilators used in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
514	NEBULIZEDBRONCHODILATORS04	Char	1	Nebulized bronchodilators usage in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
515	INHALEDSTEROIDS04	Char	1	Inhaled steroids used in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
516	NEUROLOGIC_CONDITION01	Num	8	History of neurologic condition reported at baseline
517	DAYS_BTW_BASELINE_Y1	Num	8	Number of days between Baseline and Year 1 visit
518	DAYS_BTW_Y1_Y2	Num	8	Number of days between Year 1 and Year 2 visit
519	DAYS_BTW_Y2_Y3	Num	8	Number of days between Year 1 and Year 2 visit
520	FOLLOWUP_DAYS_ALL	Num	8	Days of follow-up in study including all study contacts
521	GOLD_CAT2013_0101	Char	1	Baseline GOLD status revised using the 2013 guidelines and CAT
522	GOLD_CAT2017_0101	Char	1	Baseline GOLD status using the 2017 guidelines and CAT
523	GOLD_MMRC2013_0101	Char	1	Baseline GOLD status using the 2013 guidelines and mMRC
524	GOLD_MMRC2017_0101	Char	1	Baseline GOLD status using the 2017 guidelines and mMRC
525	PEX_SEVERE_730	Num	8	Total count of exacerbations between 366 and 730 days (f, g)
526	PEX_SEVERE_1095	Num	8	Total count of exacerbations between 731 and 1095 days (f, g)
527	PEX_SEVERE_1460	Num	8	Total count of exacerbations between 1096 and 1460 days (f, g)
528	PEX_SEVERE_1825	Num	8	Total count of exacerbations between 1461 and 1825 days (f, g)
529	GLI_ETHNICITY	Num	8	Ethnicity category for GLI spirometric calculations
530	V1_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
531	V1_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
532	V1_GLI_FEV1_LLN	Num	8	Visit 1 GLI Reference value for FEV1 Lower Limit of Normal
533	V1_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FVC Z-Score Pre-Bronchodilator
534	V1_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
535	V1_GLI_FVC_LLN	Num	8	Visit 1 GLI Reference value for FVC Lower Limit of Normal

Num	Variable	Type	Len	Label
536	V1_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
537	V1_GLI_FEV1FVC_LLN	Num	8	Visit 1 GLI Reference value for FEV1FVC Lower Limit of Normal
538	V1_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
539	V1_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
540	V1_GLI_FEF2575_LLN	Num	8	Visit 1 GLI Reference value for FEF2575 Lower Limit of Normal
541	V1_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
542	V1_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
543	V1_GLI_FEF75_LLN	Num	8	Visit 1 GLI Reference value for FEF75 Lower Limit of Normal
544	V1_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
545	V2_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
546	V2_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
547	V2_GLI_FEV1_LLN	Num	8	Visit 2 GLI Reference value for FEV1 Lower Limit of Normal
548	V2_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FVC Z-Score Pre-Bronchodilator
549	V2_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
550	V2_GLI_FVC_LLN	Num	8	Visit 2 GLI Reference value for FVC Lower Limit of Normal
551	V2_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
552	V2_GLI_FEV1FVC_LLN	Num	8	Visit 2 GLI Reference value for FEV1FVC Lower Limit of Normal
553	V2_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
554	V2_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
555	V2_GLI_FEF2575_LLN	Num	8	Visit 2 GLI Reference value for FEF2575 Lower Limit of Normal
556	V2_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
557	V2_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
558	V2_GLI_FEF75_LLN	Num	8	Visit 2 GLI Reference value for FEF75 Lower Limit of Normal
559	V2_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
560	V3_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
561	V3_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
562	V3_GLI_FEV1_LLN	Num	8	Visit 3 GLI Reference value for FEV1 Lower Limit of Normal
563	V3_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FVC Z-Score Pre-Bronchodilator
564	V3_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
565	V3_GLI_FVC_LLN	Num	8	Visit 3 GLI Reference value for FVC Lower Limit of Normal

Num	Variable	Type	Len	Label
566	V3_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
567	V3_GLI_FEV1FVC_LLN	Num	8	Visit 3 GLI Reference value for FEV1FVC Lower Limit of Normal
568	V3_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
569	V3_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
570	V3_GLI_FEF2575_LLN	Num	8	Visit 3 GLI Reference value for FEF2575 Lower Limit of Normal
571	V3_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
572	V3_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
573	V3_GLI_FEF75_LLN	Num	8	Visit 3 GLI Reference value for FEF75 Lower Limit of Normal
574	V3_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
575	V4_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
576	V4_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
577	V4_GLI_FEV1_LLN	Num	8	Visit 4 GLI Reference value for FEV1 Lower Limit of Normal
578	V4_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FVC Z-Score Pre-Bronchodilator
579	V4_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
580	V4_GLI_FVC_LLN	Num	8	Visit 4 GLI Reference value for FVC Lower Limit of Normal
581	V4_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
582	V4_GLI_FEV1FVC_LLN	Num	8	Visit 4 GLI Reference value for FEV1FVC Lower Limit of Normal
583	V4_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
584	V4_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
585	V4_GLI_FEF2575_LLN	Num	8	Visit 4 GLI Reference value for FEF2575 Lower Limit of Normal
586	V4_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
587	V4_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
588	V4_GLI_FEF75_LLN	Num	8	Visit 4 GLI Reference value for FEF75 Lower Limit of Normal
589	V4_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
590	V1_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
591	V1_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
592	V1_GLI_FVC_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FVC Z-Score Post-Bronchodilator
593	V1_GLI_FVC_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
594	V1_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator

Num	Variable	Type	Len	Label
595	V1_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
596	V1_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
597	V1_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
598	V1_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
599	V1_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator
600	V2_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
601	V2_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
602	V2_GLI_FVC_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FVC Z-Score Post-Bronchodilator
603	V2_GLI_FVC_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
604	V2_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
605	V2_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
606	V2_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
607	V2_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
608	V2_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
609	V2_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator
610	V3_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
611	V3_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
612	V3_GLI_FVC_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FVC Z-Score Post-Bronchodilator
613	V3_GLI_FVC_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
614	V3_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
615	V3_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
616	V3_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
617	V3_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
618	V3_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
619	V3_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator

Num	Variable	Type	Len	Label
620	V4_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
621	V4_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
622	V4_GLI_FVC_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FVC Z-Score Post-Bronchodilator
623	V4_GLI_FVC_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
624	V4_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
625	V4_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
626	V4_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
627	V4_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
628	V4_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
629	V4_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator

Data Set Name: bronch_bis_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BIS0B	Num	8	0b. Code
5	BIS1	Char	1	1. Erythema
6	BIS2	Char	1	2. Edema
7	BIS3	Char	1	3. Secretions
8	BIS4	Char	1	4. Friability
9	VERSION	Char	21	Version
10	BIS0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: bronch_bpw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BPW1A	Char	5	1a. Time processed
5	BPW1A1	Char	1	1a1. AM/PM
6	BPW1B	Num	8	1b. Problems Processing?
7	BPW1B1	Num	8	1b1. Broken tube
8	BPW1B2	Num	8	1b2. Sample re-centrifuged
9	BPW1B3	Num	8	1b3. Clotted
10	BPW1B4	Num	8	1b4. Hemolyzed
11	BPW1B5	Num	8	1b5. Lipemic
12	BPW1B6	Num	8	1b6. Other
13	BPW1B7	Char	30	1b7. Specify:
14	BPW1C	Num	8	1c. Number of pre-made blood assay antibody tubes used:
15	BPW1D	Char	5	1d. Time aliquots placed in refrigerator:
16	BPW1D1	Char	1	1d1. AM/PM
17	BPW2	Char	5	2. Time processed
18	BPW2A	Char	1	2a. AM/PM
19	BPW3	Num	8	3. Number of 15mL conical tubes:
20	BPW4	Char	5	4. Time 15mL conical tubes placed in refrigerator
21	BPW4A	Char	1	4a. AM/PM
22	BPW6	Char	5	6. Time 15mL conical tubes placed in freezer
23	BPW6A	Char	1	6a. AM/PM
24	BPW7	Char	5	7. Time processed
25	BPW7A	Char	1	7a. AM/PM
26	BPW8	Num	8	8. Problems Processing?
27	BPW8A	Num	8	8a. Blood in the sample
28	BPW8B	Num	8	8b. Other
29	BPW8C	Char	30	8c. Specify:
30	BPW9	Char	5	9. Time placed in refrigerator:
31	BPW9A	Char	1	9a. AM/PM
32	BPW11	Char	5	11. Time placed in freezer
33	BPW11A	Char	1	11a. AM/PM
34	BPW12	Num	8	12. Was more than 8mL returned from the first 20 cc airway wash?
35	BPW13	Char	5	13. Time processed
36	BPW13A	Char	1	13a. AM/PM
37	BPW14	Char	5	14. Time placed in refrigerator:

Num	Variable	Type	Len	Label
38	BPW14A	Char	1	14a. AM/PM
39	BPW16	Char	5	16. Time placed in freezer
40	BPW16A	Char	1	16a. AM/PM
41	BPW17	Char	5	17. Time processed
42	BPW17A	Char	1	17a. AM/PM
43	BPW18	Num	8	18. Total volume returned:
44	BPW19	Num	8	19. Cell Count:
45	BPW20	Num	8	20. Total Cell Count:
46	BPW21	Num	8	21. Cytospin suspension:
47	BPW22	Num	8	22. Volume to resuspend pellet in with PBS:
48	BPW23	Num	8	23. Number of cytospin slides created:
49	BPW24	Char	5	24. Time processed
50	BPW24A	Char	1	24a. AM/PM
51	BPW25	Num	8	25. Number of aliquots created:
52	BPW26	Char	5	26. Time placed in freezer
53	BPW26A	Char	1	26a. AM/PM
54	BPW27	Char	5	27. Time processed
55	BPW27A	Char	1	27a. AM/PM
56	BPW28	Char	5	28. Time placed in freezer
57	BPW28A	Char	1	28a. AM/PM
58	BPW29	Char	5	29. Time processed
59	BPW29A	Char	1	29a. AM/PM
60	BPW30	Num	8	30. Total volume returned:
61	BPW31	Num	8	31. Cell Count:
62	BPW32	Num	8	32. Total Cell Count:
63	BPW33	Num	8	33. Cytospin suspension:
64	BPW34	Num	8	34. Volume to resuspend pellet in with PBS:
65	BPW35	Char	5	35. Time processed
66	BPW35A	Char	1	35a. AM/PM
67	BPW36	Char	5	36. Time placed in refrigerator:
68	BPW36A	Char	1	36a. AM/PM
69	BPW38	Char	5	38. Time placed in freezer
70	BPW38A	Char	1	38a. AM/PM
71	BPW39	Char	5	39. Time processed
72	BPW39A	Char	1	39a. AM/PM
73	BPW40	Num	8	40. Number of aliquots made:
74	BPW41	Char	5	41. Time placed in freezer
75	BPW41A	Char	1	41a. AM/PM
76	BPW42	Char	5	42. Time processed

Num	Variable	Type	Len	Label
77	BPW42A	Char	1	42a. AM/PM
78	BPW43	Num	8	43. Number of cytospin slides:
79	BPW44	Char	5	44. Time stained
80	BPW44A	Char	1	44a. AM/PM
81	BPW45	Char	5	45. Time processed
82	BPW45A	Char	1	45a. AM/PM
83	BPW46A	Num	8	46a. Is the time processed less than 2 hours after collection?
84	BPW46B	Num	8	46b. Minutes since collection:
85	BPW46C	Char	100	46c. Reason processed before 2 hours:
86	BPW47A	Num	8	47a. Is the time processed more than 2 hours after collection?
87	BPW47B	Num	8	47b. Minutes since collection:
88	BPW47C	Char	100	47c. Reason processed after 2 hours:
89	BPW48	Char	5	48. Time processing complete
90	BPW48A	Char	1	48a. AM/PM
91	BPW49	Char	5	49. Time placed in freezer
92	BPW49A	Char	1	49a. AM/PM
93	BPW50	Char	5	50. Time processed
94	BPW50A	Char	1	50a. AM/PM
95	BPW51	Num	8	51. Number of pre-made BAL assay antibody tubes used:
96	BPW52	Char	5	52. Time placed in refrigerator
97	BPW52A	Char	1	52a. AM/PM
98	BPW53	Num	8	53. Problems Processing?
99	BPW53A	Num	8	53a. Blood in sample
100	BPW53B	Num	8	53b. Other
101	BPW53C	Char	30	53c. Specify:
102	BPW54	Char	5	54. Time placed in refrigerator
103	BPW54A	Char	1	54a. AM/PM
104	BPW55	Num	8	55. Cell Count:
105	BPW56	Num	8	56. Number of cytospin slides:
106	BPW57	Char	5	57. Time processed
107	BPW57A	Char	1	57a. AM/PM
108	BPW58	Char	5	58. Time placed in refrigerator
109	BPW58A	Char	1	58a. AM/PM
110	BPW59	Char	5	59. Time placed in freezer
111	BPW59A	Char	1	59a. AM/PM
112	BPW60	Char	5	60. Time placed in cold 10% formalin
113	BPW60A	Char	1	60a. AM/PM
114	BPW61	Char	5	61. Time moved to fresh cold 10% formalin
115	BPW61A	Char	1	61a. AM/PM

Num	Variable	Type	Len	Label
116	BPW62	Char	5	62. Time placed in 70% alcohol at 4 degrees:
117	BPW62A	Char	1	62a. AM/PM
118	BPW40A	Num	8	40a. Number of 15mL aliquots made:
119	BPW45B	Num	8	45b. Volume of BAL remaining:
120	BPW7_V3	Char	5	7. Time sterile saline placed in freezer
121	BPW7A_V3	Char	1	7a. AM/PM
122	BPW8_V3	Char	5	8. Time scope saline placed in freezer
123	BPW8A_V3	Char	1	8a. AM/PM
124	BPW39_V3	Char	5	39. Time transferrred to 15mL conical
125	BPW39A_V3	Char	1	39a. AM/PM
126	BPW40_V3	Char	5	40. Time placed in freezer
127	BPW40A_V3	Char	1	40a. AM/PM
128	BPW46	Num	8	48a. Is the time processed less than 2 hours after collection?
129	BPW61_V3	Num	8	61. Were small airways epithelial brushings collected?
130	BPW62_V3	Num	8	62. Problems processing?
131	BPW62A_V3	Num	8	62a. Blood in the sample
132	BPW62B_V3	Num	8	62b. Other
133	BPW63	Char	5	63. Time processed
134	BPW63A	Char	1	63a. AM/PM
135	BPW64	Num	8	64. Cell Count:
136	BPW65	Num	8	65. Number of cytospin slides:
137	BPW66	Char	5	66. Time processed
138	BPW66A	Char	1	66a. AM/PM
139	BPW67	Char	5	67. Time placed in freezer
140	BPW67A	Char	1	67a. AM/PM
141	BPW73	Num	8	73. Number of biospsies moved to 70% alcohol
142	BPW74	Char	100	74. If biopsies were lost between collection and the final step of sample fixation, please describe how and why they were lost:
143	BPW75	Char	1	75. Was subsequent biopsy processing and paraffin embedding completed by a core lab?
144	BPW78	Num	8	78. Number of paraffin blocks
145	VERSION	Char	21	Version
146	BPW0A_DAYS	Num	8	Form Date - Days from enrollment
147	BPW5_DAYS	Num	8	Date 15ml conical tubes moved to freezer - Days from enrollment
148	BPW10_DAYS	Num	8	10. Date moved to freezer - Days from enrollment
149	BPW15_DAYS	Num	8	15. Date moved to freezer - Days from enrollment
150	BPW37_DAYS	Num	8	37. Date moved to freezer - Days from enrollment
151	BPW72_DAYS	Num	8	72. Date biopsies placed in 70% alcohol (after formalin fixation) - Days from enrollment
152	BPW76_DAYS	Num	8	76. Date biopsies sent to pathology lab - Days from enrollment
153	BPW77_DAYS	Num	8	77. Date biospsies returned from pathology lab - Days from enrollment

Data Set Name: bronch_bsw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BSW0B	Num	8	0b. Code
5	BSW1	Char	5	1. Time processing began:
6	BSW1A	Char	1	1a. AM/PM
7	BSW2	Num	8	2. Weight of Entire Sample
8	BSW3A1	Num	8	3a1. Minimal
9	BSW3A2	Num	8	3a2. Mild
10	BSW3A3	Num	8	3a3. Moderate
11	BSW3A4	Num	8	3a4. Excessive
12	BSW3B1	Num	8	3b1. Watery
13	BSW3B2	Num	8	3b2. Mucoid
14	BSW3B3	Num	8	3b3. Purulent (puss)
15	BSW3C1	Num	8	3c1. Numerous
16	BSW3C2	Num	8	3c2. Moderate number
17	BSW3C3	Num	8	3c3. Sparse
18	BSW3C4	Num	8	3c4. Large
19	BSW3C5	Num	8	3c5. Small
20	BSW3C6	Num	8	3c6. Dense/flocculent
21	BSW3C7	Num	8	3c7. Diffuse opacity
22	BSW3D1	Num	8	3d1. Clear
23	BSW3D2	Num	8	3d2. White
24	BSW3D3	Num	8	3d3. Yellow/Tan
25	BSW3D4	Num	8	3d4. Brown
26	BSW3D5	Num	8	3d5. Green
27	BSW4	Char	2000	4. General Notes/Comments:
28	BSW5	Char	5	5. Time immunophenotyping processing began:
29	BSW5A	Char	1	5a. AM/PM
30	BSW6	Num	8	6. Weight of the 50mL Centrifuge tube
31	BSW7	Num	8	7. Weight of the sputum
32	BSW8	Num	8	8. Volume of Sputolysin to add (weight of sputum x2)
33	BSW9	Num	8	9. Total volume of sputum plus sputolysin
34	BSW10	Char	5	10. Time placed in 37 C water bath
35	BSW10A	Char	1	10a. AM/PM
36	BSW11	Num	8	11. Number of times vortexed
37	BSW12	Char	5	12. Time removed from water bath

Num	Variable	Type	Len	Label
38	BSW12A	Char	1	12a. AM/PM
39	BSW13	Num	8	13. Volume of PBS added
40	BSW14	Char	5	14. Time placed in centrifuge
41	BSW14A	Char	1	14a. AM/PM
42	BSW15	Num	8	15. Number of pre-made sputum assay antibody tubes used
43	BSW16	Char	5	16. Time incubation begin
44	BSW16A	Char	1	16a. AM/PM
45	BSW17	Char	5	17. Time incubation end
46	BSW17A	Char	1	17a. AM/PM
47	BSW18	Char	5	18. Time placed in 4 C storage
48	BSW18A	Char	1	18a. AM/PM
49	BSW19	Char	2000	19. Problems processing:
50	VERSION	Char	21	Version
51	BSW0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: bronch_derv_cbc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	CBC03_DERV	Num	8	3) Total red blood cells
5	CBC04_DERV	Num	8	4) Hemoglobin
6	CBC05_DERV	Num	8	5) Hemacrit
7	CBC06_DERV	Num	8	6) Mean corpuscular volume
8	CBC07_DERV	Num	8	7) Red blood cell distribution width
9	CBC08_DERV	Num	8	8) Total white blood cells
10	CBC09_DERV	Num	8	9) Neutrophil granulocyte
11	CBC10_DERV	Num	8	10) Lymphocytes
12	CBC11_DERV	Num	8	11) Monocytes
13	CBC12_DERV	Num	8	12) Eosinophil granuloctyes
14	CBC13_DERV	Num	8	13) Basophil granuloctyes
15	CBC14_DERV	Num	8	14) Platelet Count
16	CBC15_DERV	Num	8	15) Mean Platelet Volume
17	CBC16_DERV	Char	2000	16) Comments:
18	CBC09A_DERV	Num	8	9a) Neutrophil granulocyte %
19	CBC10A_DERV	Num	8	10a) Lymphocyte %
20	CBC11A_DERV	Num	8	11a) Monocyte %
21	CBC12A_DERV	Num	8	12a) Eosinophil granuloctye %
22	CBC13A_DERV	Num	8	13a) Basophil granuloctye %
23	VERSION	Char	21	Version
24	CBC0A_DERV_DAYS	Num	8	Form Date - Days from enrollment
25	CBC01_DERV_DAYS	Num	8	1. Date Blood Submitted to Lab: - Days from enrollment
26	CBC02_DERV_DAYS	Num	8	2. Date Results Received: - Days from enrollment

Data Set Name: derv_nhlbiv1_180716.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	BMI_AUX_CM01	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) at baseline
3	HT_CM01	Num	8	Height (cm) (ANT02) at baseline
4	WT_KG01	Num	8	Weight (kg) (ANT03) at baseline
5	BMI_AUX_CM02	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year1)
6	HT_CM02	Num	8	Height (cm) (ANT02) (for visit=Year1)
7	WT_KG02	Num	8	Weight (kg) (ANT03) (for visit=Year1)
8	BMI_AUX_CM03	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year2)
9	HT_CM03	Num	8	Height (cm) (ANT02) (for visit=Year2)
10	WT_KG03	Num	8	Weight (kg) (ANT03) (for visit=Year2)
11	BMI_AUX_CM04	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year3)
12	HT_CM04	Num	8	Height (cm) (ANT02) (for visit=Year3)
13	WT_KG04	Num	8	Weight (kg) (ANT03) (for visit=Year3)
14	BMI_AUX_IN01	Num	8	BMI (computed by SC from imperial units) (from IEC05a,b at BASELINE)
15	GENDER	Num	8	Gender (1=Male,2=Female) (IEC04)
16	HT_IN01	Num	8	Height (in) (IEC05a)
17	AGE01	Num	8	Age at Baseline (years) (DEM01a)
18	ETHNICITY	Num	8	Ethnicity (1=Hispanic,0=Non-hispanic) (DEM05 or DEM05a)
19	RACE	Num	8	Race (1=White,2=Black,3=Asian,4=Amer.Ind./Pacif.Isl.,6=Mixed,7=Missing)(from DEM06a-e)
20	AGE_DERV_01	Num	8	Age in years at baseline based on date of birth and date of enrollment
21	AGE_DERV_02	Num	8	Age in years at year 1 visit based on date of birth and date of visit
22	AGE_DERV_03	Num	8	Age in years at year 2 visit based on date of birth and date of visit
23	AGE_DERV_04	Num	8	Age in years at year 3 visit based on date of birth and date of visit
24	AGECAT_BY05	Num	8	Age at Baseline in 5 year groupings (1=40-<45, 2=45-<50, 3=50-<55,4=55-<60, 5=60-<65,6=65-<70, 7=70-<75, 8=75,<80)
25	AGECAT_BY10	Num	8	Age at Baseline in 10 year groupings (1=40-<50, 2=50-<60, 3=60-<70, 4=70-<80)
26	AGE02	Num	8	Age at Year 1 (years)
27	AGE03	Num	8	Age at Year 2 (years)
28	AGE04	Num	8	Age at Year 3 (years)
29	PRED_FEV1_V1	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at baseline

Num	Variable	Type	Len	Label
30	PRED_FEV1_V2	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 1
31	PRED_FEV1_V3	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 2
32	PRED_FEV1_V4	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 3
33	PRED_FVC_V1	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at baseline
34	PRED_FVC_V2	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 1
35	PRED_FVC_V3	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 2
36	PRED_FVC_V4	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 3
37	PRED_FEF2575_V1	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at baseline
38	PRED_FEF2575_V2	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 1
39	PRED_FEF2575_V3	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 2
40	PRED_FEF2575_V4	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 3
41	PRED_PEFR_V1	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at baseline
42	PRED_PEFR_V2	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 1
43	PRED_PEFR_V3	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 2
44	PRED_PEFR_V4	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 3
45	PRED_FEV1FVC_V1	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at baseline
46	PRED_FEV1FVC_V2	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 1
47	PRED_FEV1FVC_V3	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 2
48	PRED_FEV1FVC_V4	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 3
49	PCT_PRE_FEV1_V1	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V1)) at baseline
50	PCT_PRE_FEV1_V2	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V2)) at year 1
51	PCT_PRE_FEV1_V3	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V3)) at year 2
52	PCT_PRE_FEV1_V4	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V4)) at year 3

Num	Variable	Type	Len	Label
53	PCT_PRE_FVC_V1	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V1)) at baseline
54	PCT_PRE_FVC_V2	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V2)) at year 1
55	PCT_PRE_FVC_V3	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V3)) at year 2
56	PCT_PRE_FVC_V4	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V4)) at year 3
57	PCT_PRE_FEV1FVC_V1	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V1)) at baseline
58	PCT_PRE_FEV1FVC_V2	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V2)) at year 1
59	PCT_PRE_FEV1FVC_V3	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V3)) at year 2
60	PCT_PRE_FEV1FVC_V4	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V4)) at year 3
61	PCT_PRE_PEFR_V1	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V1)) at baseline
62	PCT_PRE_PEFR_V2	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V2)) at year 1
63	PCT_PRE_PEFR_V3	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V3)) at year 2
64	PCT_PRE_PEFR_V4	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V4)) at year 3
65	PCT_PRE_SVC_V1	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V1)) at baseline
66	PCT_PRE_SVC_V2	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V2)) at year 1
67	PCT_PRE_SVC_V3	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V3)) at year 2
68	PCT_PRE_SVC_V4	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V4)) at year 3
69	PCT_PRE_FEF2575_V1	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V1)) at baseline
70	PCT_PRE_FEF2575_V2	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V2)) at year 1
71	PCT_PRE_FEF2575_V3	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V3)) at year 2
72	PCT_PRE_FEF2575_V4	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V4)) at year 3
73	PCT_POST_FEV1_V1	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V1)) at baseline

Num	Variable	Type	Len	Label
74	PCT_POST_FEV1_V2	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V2)) at year 1
75	PCT_POST_FEV1_V3	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V3)) at year 2
76	PCT_POST_FEV1_V4	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V4)) at year 3
77	PCT_POST_FVC_V1	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V1)) at baseline
78	PCT_POST_FVC_V2	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V2)) at year 1
79	PCT_POST_FVC_V3	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V3)) at year 2
80	PCT_POST_FVC_V4	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V4)) at year 3
81	PCT_POST_FEV1FVC_V1	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V1)) at baseline
82	PCT_POST_FEV1FVC_V2	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V2)) at year 1
83	PCT_POST_FEV1FVC_V3	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V3)) at year 2
84	PCT_POST_FEV1FVC_V4	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V4)) at year 3
85	PCT_POST_PEFR_V1	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V1)) at baseline
86	PCT_POST_PEFR_V2	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V2)) at year 1
87	PCT_POST_PEFR_V3	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V3)) at year 2
88	PCT_POST_PEFR_V4	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V4)) at year 3
89	PCT_POST_SVC_V1	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V1)) at baseline
90	PCT_POST_SVC_V2	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V2)) at year 1
91	PCT_POST_SVC_V3	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V3)) at year 2
92	PCT_POST_SVC_V4	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V4)) at year 3
93	PCT_POST_FEF2575_V1	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V1)) at baseline
94	PCT_POST_FEF2575_V2	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V2)) at year 1

Num	Variable	Type	Len	Label
95	PCT_POST_FEF2575_V3	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V3)) at year 2
96	PCT_POST_FEF2575_V4	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V4)) at year 3
97	LLN_FEV1_FVC_V1	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at baseline
98	LLN_FEV1_FVC_V2	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 1
99	LLN_FEV1_FVC_V3	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 2
100	LLN_FEV1_FVC_V4	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 3
101	LLN_FEV1_V1	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at baseline
102	LLN_FEV1_V2	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 1
103	LLN_FEV1_V3	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 2
104	LLN_FEV1_V4	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 3
105	LLN_FVC_V1	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at baseline
106	LLN_FVC_V2	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 1
107	LLN_FVC_V3	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 2
108	LLN_FVC_V4	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 3
109	LLN_FEF2575_V1	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at baseline
110	LLN_FEF2575_V2	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 1
111	LLN_FEF2575_V3	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 2
112	LLN_FEF2575_V4	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 3
113	PRED_FEV1	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height)
114	GOLD_STAGE_COPD_SEVERITY	Num	8	GOLD Stage of COPD Severity at baseline
115	STRATUM	Num	8	
116	WITHDRAWN	Num	8	Withdrawn (1=Yes,0=No) (from RSW01 and RSW02)
117	SIX_MINUTE_WALK_DISTANCE01	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at BASELINE)
118	BODE_INDEX01	Num	8	BODE Index at BASELINE
119	SIX_MINUTE_WALK_DISTANCE02	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR1)

Num	Variable	Type	Len	Label
120	BODE_INDEX02	Num	8	BODE Index at YEAR1
121	SIX_MINUTE_WALK_DISTANCE03	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR2)
122	BODE_INDEX03	Num	8	BODE Index at YEAR2
123	SIX_MINUTE_WALK_DISTANCE04	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR3)
124	BODE_INDEX04	Num	8	BODE Index at YEAR3
125	BRONCH_ELIGIBLE	Num	8	Eligible for bronchoscopy substudy (1=Yes,0=No)
126	BRONCH_AGE01	Num	8	Age when screened for bronchoscopy substudy (BIE3)
127	PEX_TOT0101	Num	8	Total Exacerbations for baseline
128	PEX_HCUTOT0101	Num	8	Exacerbations requiring HCU for baseline
129	PEX_ANTITOT0101	Num	8	Exacerbations treated with antibiotics for baseline
130	PEX_STEROIDTOT0101	Num	8	Exacerbations treated with steroids for baseline
131	PEX_DRUGTOT0101	Num	8	Exacerbations treated with medications for baseline
132	PEX_SEVERETOT0101	Num	8	Exacerbations requiring ED visit or hospitalization for baseline
133	COPDSCORE0101	Num	8	COPD Assessment Test Score at visit 1
134	COPDSCORE0102	Num	8	COPD Assessment Test Score at visit 2
135	COPDSCORE0103	Num	8	COPD Assessment Test Score at visit 3
136	COPDSCORE0104	Num	8	COPD Assessment Test Score at visit 4
137	GOLD_MMRC0101	Char	1	Baseline GOLD status using the revised criteria and mMRC at baseline
138	GOLD_CAT0101	Char	1	Baseline GOLD status using the revised criteria and CAT at baseline
139	CB_VISIT1	Num	8	Chronic Bronchitis identified at baseline
140	ASTHMA_BASELINE	Num	8	Baseline Asthma
141	ASTHMA_EVER_REPORTED	Num	8	Ever Reported Asthma
142	EMPHYSEMA_VISIT1	Num	8	Possible emphysema at visit 1
143	PEX_TOT0102	Num	8	Total Exacerbations at year 1
144	PEX_SEVERETOT0102	Num	8	Total severe exacerbations at year 1
145	PEX_ANTITOT0102	Num	8	Total exacerbations treated with antibiotics at year 1
146	PEX_STEROIDTOT0102	Num	8	Total exacerbations treated with steroids at year 1
147	PEX_DRUGTOT0102	Num	8	Total exacerbations treated with medications at year 1
148	PEX_HCUTOT0102	Num	8	Total exacerbations requiring HCU at year 1
149	PEX_TOT0103	Num	8	Total Exacerbations at Year 2
150	PEX_SEVERETOT0103	Num	8	Total severe exacerbations at Year 2
151	PEX_ANTITOT0103	Num	8	Total exacerbations treated with antibiotics at Year 2
152	PEX_STEROIDTOT0103	Num	8	Total exacerbations treated with steroids at Year 2
153	PEX_DRUGTOT0103	Num	8	Total exacerbations treated with medications at Year 2
154	PEX_HCUTOT0103	Num	8	Total exacerbations requiring HCU at Year 2
155	PEX_TOT0104	Num	8	Total Exacerbations at Year 3
156	PEX_SEVERETOT0104	Num	8	Total severe exacerbations at Year 3

Num	Variable	Type	Len	Label
157	PEX_ANTITOT0104	Num	8	Total exacerbations treated with antibiotics at Year 3
158	PEX_STEROIDTOT0104	Num	8	Total exacerbations treated with steroids at Year 3
159	PEX_DRUGTOT0104	Num	8	Total exacerbations treated with medications at Year 3
160	PEX_HCUTOT0104	Num	8	Total exacerbations requiring HCU at Year 3
161	PEX_TOT	Num	8	Total count of exacerbations since entering the study
162	PEX_SEVERE	Num	8	Total count of exacerbations requiring ED visit or hospitalization since entering the study
163	PEX_ANTI	Num	8	total count of exacerbations treated with antibiotics since entering the study
164	PEX_STEROID	Num	8	total count of exacerbations treated with steroids since entering the study
165	PEX_DRUG	Num	8	total count of exacerbations treated with medications since entering the study
166	PEX_HCU	Num	8	total count of exacerbations requiring HCU since entering the study
167	DEATH	Num	8	indicator of deceased subject
168	DAYINSTUDY_DEATH	Num	8	Days in study till deceased
169	CURRENT_SMOKER_BRONCH	Num	8	
170	FOLLOWUP_DAYS	Num	8	Length of follow-up instudy including only main study contacts
171	EYES_ENT_CONDITION01	Num	8	History of Eyes, Ear, Nose, or Throat condition at baseline
172	CARDIOVASCULAR_CONDITION01	Num	8	History of Cardiovascular condition at baseline
173	GI_CONDITION01	Num	8	History of Gastrointestinal condition at baseline
174	PULMONARY_VASCULAR_CONDITION01	Num	8	History of Pulmonary/vascular condition at baseline
175	ONCOLOGY_HEMA_CONDITION01	Num	8	History of Oncology/hematology condition at baseline
176	GENITOURINARY_CONDITION01	Num	8	History of Genitourinary and Reproductive condition at baseline
177	ENDOCRINE_CONDITION01	Num	8	History of Endocrine condition at baseline
178	MUSCULAR_SKELETAL_CONDITION01	Num	8	History of Muscular/skeletal condition at baseline
179	DERMATOLOGY_CONDITION01	Num	8	History of Dermatology condition at baseline
180	INFECTIOUS_DISEASE_CONDITION01	Num	8	History of Infectious disease condition at baseline
181	PSYCHIATRIC_CONDITION01	Num	8	History of Psychiatric condition at baseline
182	CB_FATHER01	Num	8	Father has a reported history of chronic bronchitis at baseline (1=Yes, 2=No, Unknowns treated as missing)
183	CB_MOTHER01	Num	8	Mother has a reported history of chronic bronchitis
184	EMPHYSEMA_FATHER01	Num	8	Father has a reported history of Emphysema
185	EMPHYSEMA_MOTHER01	Num	8	Mother has a reported history of Emphysema
186	COPD_FATHER01	Num	8	Father has a reported history of COPD
187	COPD_MOTHER01	Num	8	Mother has a reported history of COPD
188	ASTHMA_FATHER01	Num	8	Father has a reported history of Asthma
189	ASTHMA_MOTHER01	Num	8	Mother has a reported history of Asthma
190	LUNGCA_FATHER01	Num	8	Father has a reported history of Lung Cancer
191	LUNGCA_MOTHER01	Num	8	Mother has a reported history of Lung Cancer

Num	Variable	Type	Len	Label
192	CB_DIAGNOSED01	Num	8	Chronic bronchitis diagnosed by a health professional reported at baseline (Yes=1, No=0, Unknowns treated as missing)
193	EMPHYSEMA_DIAGNOSED01	Num	8	Emphysema diagnosed by a health professional reported at baseline
194	COPD_DIAGNOSED01	Num	8	COPD diagnosed by a health professional reported at baseline
195	APNEA_DIAGNOSED01	Num	8	Sleep apnea diagnosed by a health professional reported at baseline
196	MCQ_TOT01	Num	8	Total MCQ score at baseline
197	VSASCORE01	Num	8	Baseline veteran specific activity score
198	FEV1_BDRESPONSE_HANKINSON01	Num	8	FEV1 Bronchodilator response, percent Hankinson 1999
199	FEV1_BDRESPONSE_PELLERGINO01	Num	8	FEV1 Bronchodilator response, volume (L) Pellergino 2005 (1=True, 0=False)
200	SMOKER_ECO_RECENT01	Num	8	recent smoking identified on eCO measurement at baseline
201	COPD_FOUNDATION_RANKING01	Char	3	COPD Foundation disease ranking
202	SMW_DSAT01	Num	8	Oxygen desaturation with the six minute walk
203	SMW_HYPOX01	Num	8	Hypoxemia with six minute walk
204	FAST_SCORE01	Num	8	FAST Alcohol Screening Score (derived from BMH25 - 28) (NOTE: Did not differentiate between males and females, Used >8 drinks for first screening question)
205	PREFEV1_LT_LLN01	Num	8	pre-bronchodilator FEV1 less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
206	PREFVC_LT_LLN01	Num	8	pre-bronchodilator FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
207	PREFEV1FVC_LT_LLN01	Num	8	pre-bronchodilator FEV1/FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
208	FVC_BDRESPONSE_PCT01	Num	8	FVC Bronchodilator response, percent baseline at Baseline
209	FVC_BDRESPONSE_VOL01	Num	8	FVC Bronchodilator response, volume (ml) at Baseline
210	FVC_BDRESPONSE_HANKINSON01	Num	8	FVC Bronchodilator response, percent Hankinson 1999 at Baseline
211	FVC_BDRESPONSE_PELLERGINO01	Num	8	FVC Bronchodilator response, volume (L) Pellergino 2005 at Baseline (1=True, 0=False)
212	POSTFEV1_LT_LLN01	Num	8	post-bronchodilator FEV1 less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
213	POSTFVC_LT_LLN01	Num	8	post-bronchodilator FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
214	POSTFEV1FVC_LT_LLN01	Num	8	post-bronchodilator FEV1/FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
215	POSTFEV1FVC_LT_70_01	Num	8	post_bronchodilator FEV1/FVC ratio less than 0.7 at Baseline (1=True, 0=False)
216	PREFEF2575_LT_LLN01	Num	8	pre-bronchodilator FEF25-75% less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
217	POSTFEF2575_LT_LLN01	Num	8	post-bronchodilator FEF25-75% less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
218	CURRENT_SMOKER_V1	Num	8	current smoking status at baseline
219	CURRENT_SMOKER_V2	Num	8	current smoking status at Year 1
220	CURRENT_SMOKER_V3	Num	8	current smoking status at Year 2
221	CURRENT_SMOKER_V4	Num	8	current smoking status at Year 3

Num	Variable	Type	Len	Label
222	BRONCH_DIAGNOSED01	Num	8	Attack of bronchitis diagnosed by a health professional reported at baseline (Yes=1; No=0; Unknowns treated as missing)
223	MENOPAUSE01	Char	8	Participant has reached menopause
224	SPUTUM_COLLECTED01	Num	8	Sputum sample collected at baseline
225	SPUTUM_METHOD01	Num	8	Method of specimen processing used for sputum collection at baseline
226	CBC_NEUTROPHIL_CNT01	Num	8	CBC Neutrophil CNT at baseline
227	CBC_NEUTROPHIL_PCT01	Num	8	CBC Neutrophil PCT at baseline
228	CBC_LYMPHOCYTE_CNT01	Num	8	CBC lymphocyte CNT at baseline
229	CBC_LYMPHOCYTE_PCT01	Num	8	CBC lymphocyte PCT at baseline
230	CBC_MONOCYTE_CNT01	Num	8	CBC monocyte CNT at baseline
231	CBC_MONOCYTE_PCT01	Num	8	CBC monocyte PCT at baseline
232	CBC_EOSINOPHIL_CNT01	Num	8	CBC eosinophil CNT at baseline
233	CBC_EOSINOPHIL_PCT01	Num	8	CBC eosinophil PCT at baseline
234	CBC_BASOPHIL_CNT01	Num	8	CBC basophil CNT at baseline
235	CBC_BASOPHIL_PCT01	Num	8	CBC basophil PCT at baseline
236	VGDF_EVER01	Num	8	Ever exposed to vapors, gas, dust, or fumes at baseline
237	VGDF_YEARS01	Num	8	Years exposed to vapors, gas, dust or fumes at baselined
238	LONGESTJOBDURATION01	Num	8	Duration in years of longest job ever worked at baseline
239	VGDF_LONGESTJOB01	Num	8	Exposed to vapors, gas, dust, or fumes during longest job
240	SMOKING_PACK_YEARS01	Num	8	Smoking pack-years at Baseline
241	SMOKING_PACK_YEARS02	Num	8	Smoking pack-years at Year 1
242	SMOKING_PACK_YEARS03	Num	8	Smoking pack-years at Year 2
243	SMOKING_PACK_YEARS04	Num	8	Smoking pack-years at Year 3
244	PEX_TOT_365	Num	8	total count of exacerbations in 365 days since entering the study
245	PEX_SEVERE_365	Num	8	total count of exacerbations requiring ED visit or hospitalization in 365 days since entering the study
246	PEX_ANTI_365	Num	8	total count of exacerbations treated with antibiotics in 365 days since entering the study
247	PEX_STEROID_365	Num	8	total count of exacerbations treated with steroids in 365 days since entering the study
248	PEX_DRUG_365	Num	8	total count of exacerbations treated with medications in 365 days since entering the study
249	PEX_HCU_365	Num	8	total count of exacerbations requiring HCU in 365 days since entering the study
250	FOLLOWUP_DEATH_DAYS	Num	8	Days in study. If deceased, then it is the days in study until death
251	V1_LAC_R_APEX_BASE_SLP_910DIF	Num	8	lac_r_apex_base_slp_910dif
252	V1_LAC_R_APEX_BASE_SLP_950DIF	Num	8	lac_r_apex_base_slp_950dif
253	V1_LAC_L_APEX_BASE_SLP_910DIF	Num	8	lac_l_apex_base_slp_910dif
254	V1_LAC_L_APEX_BASE_SLP_950DIF	Num	8	lac_l_apex_base_slp_950dif
255	V2_LAC_R_APEX_BASE_SLP_910DIF	Num	8	lac_r_apex_base_slp_910dif

Num	Variable	Type	Len	Label
256	V2_LAC_R_APEX_BASE_SLP_950DIF	Num	8	lac_r_apex_base_slp_950dif
257	V2_LAC_L_APEX_BASE_SLP_910DIF	Num	8	lac_l_apex_base_slp_910dif
258	V2_LAC_L_APEX_BASE_SLP_950DIF	Num	8	lac_l_apex_base_slp_950dif
259	V1_R_APEX_BASE_PCTBE910_RATIO	Num	8	r_apex_base_pctbe910_ratio
260	V1_R_APEX_BASE_PCTBE950_RATIO	Num	8	r_apex_base_pctbe950_ratio
261	V1_L_APEX_BASE_PCTBE910_RATIO	Num	8	l_apex_base_pctbe910_ratio
262	V1_L_APEX_BASE_PCTBE950_RATIO	Num	8	l_apex_base_pctbe950_ratio
263	V2_R_APEX_BASE_PCTBE910_RATIO	Num	8	r_apex_base_pctbe910_ratio
264	V2_R_APEX_BASE_PCTBE950_RATIO	Num	8	r_apex_base_pctbe950_ratio
265	V2_L_APEX_BASE_PCTBE910_RATIO	Num	8	l_apex_base_pctbe910_ratio
266	V2_L_APEX_BASE_PCTBE950_RATIO	Num	8	l_apex_base_pctbe950_ratio
267	V1_RB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB1+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
268	V1_RB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB10+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
269	V1_LB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB1+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
270	V1_LB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB10+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
271	V2_RB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB1+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
272	V2_RB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB10+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
273	V2_LB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB1+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
274	V2_LB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB10+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
275	V1_PI10_PATH_LEQ20_THICKEST	Num	8	Pi10_path_leq20_thickest
276	V1_PI10_PATH_LEQ20_AVG	Num	8	Pi10_path_leq20_avg
277	V2_PI10_PATH_LEQ20_THICKEST	Num	8	Pi10_path_leq20_thickest
278	V2_PI10_PATH_LEQ20_AVG	Num	8	Pi10_path_leq20_avg
279	BASELINE_ASTHMA_CHILD	Num	8	History of childhood asthma diagnosed by a physician reported at baseline
280	BASELINE_ASTHMA_DX	Num	8	History of asthma diagnosed by a physician reported at baseline
281	EMPH950_HIGH01	Num	8	Emphysema > ULN (defined by reference equation) at baseline
282	LOG950_VIDA01	Num	8	Log transformed uncorrected percent emphysema 950(VIDA) at baseline

Num	Variable	Type	Len	Label
283	EMPH_ULN01	Num	8	Upper limit of normal (defined by reference equation) at baseline
284	TOTALVOL_ULN_V1	Num	8	Upper limit of normal for total lung volume based on race, age, gender, height, and BMI at baseline
285	TOTALVOLUME_YES_V1	Num	8	indicator of total volume based total volum (BOTH_TOT_V) and totalvol_ULN at baseline
286	EMPH950_HIGH02	Num	8	Emphysema > ULN (defined by reference equation) at year1
287	LOG950_VIDA02	Num	8	Log transformed uncorrected percent emphysema 950(VIDA) at year1
288	EMPH_ULN02	Num	8	Upper limit of normal (defined by reference equation) at year1
289	TOTALVOL_ULN_V2	Num	8	Upper limit of normal for total lung volume based on race, age, gender, height, and BMI at year1
290	TOTALVOLUME_YES_V2	Num	8	indicator of total volume based total volum (BOTH_TOT_V) and totalvol_ULN at year1
291	DAYS_ENROLL_1STPEXREPORTDATE	Num	8	Number of days from the date of enrollment to form date the first any exacerbation - corrected 7/27/2018
292	DAYS_ENROLL_1STHOSPEX	Num	8	Number of days from the date of enrollment to the first exacerbation requiring hospitalization(.N for no hospitalized episode reported, .M hospitalized episode reported but date is missing) - corrected 7/27/2018
293	PEX_HOS_IND	Num	8	Total count of independent exacerbations requiring hospitalization since entering the study
294	PEX_HOS_LINKED	Num	8	Total count of linked exacerbations requiring hospitalization since entering the study
295	PEX_HOS_TOT	Num	8	Sum of PEX_HOS_IND and PEX_HOS_LINKED
296	SXSMKR2_FVC_CORE3_V1	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
297	SXSMKR2_FVC_CORE3_V2	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
298	SXSMKR2_FVC_CORE3_V3	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
299	SXSMKR2_FVC_CORE3_V4	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
300	CB_SGRQ01	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Baseline
301	CB_SGRQ02	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 1
302	CB_SGRQ03	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 2
303	CB_SGRQ04	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 3

Num	Variable	Type	Len	Label
304	PEX_HCUDRUG0101	Num	8	History of HCU exacerbation treated with antibiotics or steroids at baseline
305	PEX_HCUDRUG	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids since entering the study
306	PEX_HCUDRUG_365	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids in the 365 days since entering the study (a,b,e1,e2, f1,f2)
307	PEX_HCUDRUG_730	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 366 and 730 days since entering the study (a,b,e1,e2, f1,f2)
308	PEX_HCUDRUG_1095	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 731 and 1095 days since entering the study (a,b,e1,e2, f1,f2)
309	PEX_HCUDRUG_1460	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 1096 and 1460 days since entering the study (a,b,e1,e2, f1,f2)
310	PEX_HCUDRUG_1825	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 1461 and 1825 days since entering the study (a,b,e1,e2, f1,f2)
311	PEX_HCUDRUG_CAT_365	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 365 days
312	PEX_HCUDRUG_CAT_730	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 730 days
313	PEX_HCUDRUG_CAT_1095	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 1095 days
314	APNEA_DIAGNOSED02	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
315	BRONCH_DIAGNOSED02	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
316	CB_DIAGNOSED02	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
317	COPD_DIAGNOSED02	Num	8	COPD Diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
318	EMPHYSEMA_DIAGNOSED02	Num	8	Emphysema diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
319	CB_VISIT02	Num	8	Chronic bronchitis identified at Visit 2 (1=Yes, 0=No, 2=Unknown)
320	APNEA_DIAGNOSED03	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
321	BRONCH_DIAGNOSED03	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
322	CB_DIAGNOSED03	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
323	COPD_DIAGNOSED03	Num	8	COPD Diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
324	EMPHYSEMA_DIAGNOSED03	Num	8	Emphysema diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
325	CB_VISIT03	Num	8	Chronic bronchitis identified at Visit 3 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
326	APNEA_DIAGNOSED04	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
327	BRONCH_DIAGNOSED04	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
328	CB_DIAGNOSED04	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
329	COPD_DIAGNOSED04	Num	8	COPD Diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
330	EMPHYSEMA_DIAGNOSED04	Num	8	Emphysema diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
331	CB_VISIT04	Num	8	Chronic bronchitis identified at Visit 4 (1=Yes, 0=No, 2=Unknown)
332	CARDIOVASCULAR_CONDITION02	Num	8	Cardiovascular condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
333	DERMATOLOGY_CONDITION02	Num	8	Dermatological condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
334	ENDOCRINE_CONDITION02	Num	8	Endocrine condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
335	EYES_ENT_CONDITION02	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
336	GENITOURINARY_CONDITION02	Num	8	Genitourinary and Reproductive condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
337	GI_CONDITION02	Num	8	Gastrointestinal condition at Visit 2 (1=Yes, 0=No, 2=Unknown)
338	INFECTIOUS_DISEASE_CONDITION02	Num	8	Infectious disease condition at Visit 2 (1=Yes, 0=No, 2=Unknown)
339	MUSCULAR_SKELETAL_CONDITION02	Num	8	Muscular/skeletal condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
340	ONCOLOGY_HEMA_CONDITION02	Num	8	Oncology/hematology condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
341	PSYCHIATRIC_CONDITION02	Num	8	Psychiatric condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
342	PULMONARY_VASCULAR_CONDITION02	Num	8	Pulmonary/vascular condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
343	NEUROLOGIC_CONDITION02	Num	8	History of neurologic condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
344	CARDIOVASCULAR_CONDITION03	Num	8	Cardiovascular condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
345	DERMATOLOGY_CONDITION03	Num	8	Dermatological condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
346	ENDOCRINE_CONDITION03	Num	8	Endocrine condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
347	EYES_ENT_CONDITION03	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
348	GENITOURINARY_CONDITION03	Num	8	Genitourinary and Reproductive condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
349	GI_CONDITION03	Num	8	Gastrointestinal condition at Visit 3 (1=Yes, 0=No, 2=Unknown)
350	INFECTIOUS_DISEASE_CONDITION03	Num	8	Infectious disease condition at Visit 3 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
351	MUSCULAR_SKELETAL_CONDITION03	Num	8	Muscular/skeletal condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
352	ONCOLOGY_HEMA_CONDITION03	Num	8	Oncology/hematology condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
353	PSYCHIATRIC_CONDITION03	Num	8	Psychiatric condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
354	PULMONARY_VASCULAR_CONDITION03	Num	8	Pulmonary/vascular condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
355	NEUROLOGIC_CONDITION03	Num	8	History of neurologic condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
356	CARDIOVASCULAR_CONDITION04	Num	8	Cardiovascular condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
357	DERMATOLOGY_CONDITION04	Num	8	Dermatological condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
358	ENDOCRINE_CONDITION04	Num	8	Endocrine condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
359	EYES_ENT_CONDITION04	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
360	GENITOURINARY_CONDITION04	Num	8	Genitourinary and Reproductive condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
361	GI_CONDITION04	Num	8	Gastrointestinal condition at Visit 4 (1=Yes, 0=No, 2=Unknown)
362	INFECTIOUS_DISEASE_CONDITION04	Num	8	Infectious disease condition at Visit 4 (1=Yes, 0=No, 2=Unknown)
363	MUSCULAR_SKELETAL_CONDITION04	Num	8	Muscular/skeletal condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
364	ONCOLOGY_HEMA_CONDITION04	Num	8	Oncology/hematology condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
365	PSYCHIATRIC_CONDITION04	Num	8	Psychiatric condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
366	PULMONARY_VASCULAR_CONDITION04	Num	8	Pulmonary/vascular condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
367	NEUROLOGIC_CONDITION04	Num	8	History of neurologic condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
368	INHALEDBRONCHODILATORS01	Char	1	Inhaled bronchodilators used in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)
369	NEBULIZEDBRONCHODILATORS01	Char	1	Nebulized bronchodilators usage in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)
370	INHALEDSTEROIDS01	Char	1	Inhaled steroids used in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)
371	INHALEDBRONCHODILATORS02	Char	1	Inhaled bronchodilators used in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
372	NEBULIZEDBRONCHODILATORS02	Char	1	Nebulized bronchodilators usage in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
373	INHALEDSTEROIDS02	Char	1	Inhaled steroids used in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
374	INHALEDBRONCHODILATORS03	Char	1	Inhaled bronchodilators used in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
375	NEBULIZEDBRONCHODILATORS03	Char	1	Nebulized bronchodilators usage in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)
376	INHALEDSTEROIDS03	Char	1	Inhaled steroids used in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)
377	INHALEDBRONCHODILATORS04	Char	1	Inhaled bronchodilators used in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
378	NEBULIZEDBRONCHODILATORS04	Char	1	Nebulized bronchodilators usage in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
379	INHALEDSTEROIDS04	Char	1	Inhaled steroids used in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
380	NEUROLOGIC_CONDITION01	Num	8	History of neurologic condition reported at baseline
381	DAYS_BTW_BASELINE_Y1	Num	8	Number of days between Baseline and Year 1 visit
382	DAYS_BTW_Y1_Y2	Num	8	Number of days between Year 1 and Year 2 visit
383	DAYS_BTW_Y2_Y3	Num	8	Number of days between Year 1 and Year 2 visit
384	FOLLOWUP_DAYS_ALL	Num	8	Days of follow-up in study including all study contacts
385	GOLD_CAT2013_0101	Char	1	Baseline GOLD status revised using the 2013 guidelines and CAT
386	GOLD_CAT2017_0101	Char	1	Baseline GOLD status using the 2017 guidelines and CAT
387	GOLD_MMRC2013_0101	Char	1	Baseline GOLD status using the 2013 guidelines and mMRC
388	GOLD_MMRC2017_0101	Char	1	Baseline GOLD status using the 2017 guidelines and mMRC
389	PEX_SEVERE_730	Num	8	Total count of exacerbations between 366 and 730 days (f, g)
390	PEX_SEVERE_1095	Num	8	Total count of exacerbations between 731 and 1095 days (f, g)
391	PEX_SEVERE_1460	Num	8	Total count of exacerbations between 1096 and 1460 days (f, g)
392	PEX_SEVERE_1825	Num	8	Total count of exacerbations between 1461 and 1825 days (f, g)
393	GLI_ETHNICITY	Num	8	Ethnicity category for GLI spirometric calculations
394	V1_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
395	V1_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
396	V1_GLI_FEV1_LLN	Num	8	Visit 1 GLI Reference value for FEV1 Lower Limit of Normal
397	V1_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FVC Z-Score Pre-Bronchodilator
398	V1_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
399	V1_GLI_FVC_LLN	Num	8	Visit 1 GLI Reference value for FVC Lower Limit of Normal
400	V1_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
401	V1_GLI_FEV1FVC_LLN	Num	8	Visit 1 GLI Reference value for FEV1FVC Lower Limit of Normal
402	V1_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
403	V1_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
404	V1_GLI_FEF2575_LLN	Num	8	Visit 1 GLI Reference value for FEF2575 Lower Limit of Normal
405	V1_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
406	V1_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator

Num	Variable	Type	Len	Label
407	V1_GLI_FEF75_LLN	Num	8	Visit 1 GLI Reference value for FEF75 Lower Limit of Normal
408	V1_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
409	V2_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
410	V2_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
411	V2_GLI_FEV1_LLN	Num	8	Visit 2 GLI Reference value for FEV1 Lower Limit of Normal
412	V2_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FVC Z-Score Pre-Bronchodilator
413	V2_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
414	V2_GLI_FVC_LLN	Num	8	Visit 2 GLI Reference value for FVC Lower Limit of Normal
415	V2_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
416	V2_GLI_FEV1FVC_LLN	Num	8	Visit 2 GLI Reference value for FEV1FVC Lower Limit of Normal
417	V2_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
418	V2_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
419	V2_GLI_FEF2575_LLN	Num	8	Visit 2 GLI Reference value for FEF2575 Lower Limit of Normal
420	V2_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
421	V2_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
422	V2_GLI_FEF75_LLN	Num	8	Visit 2 GLI Reference value for FEF75 Lower Limit of Normal
423	V2_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
424	V3_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
425	V3_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
426	V3_GLI_FEV1_LLN	Num	8	Visit 3 GLI Reference value for FEV1 Lower Limit of Normal
427	V3_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FVC Z-Score Pre-Bronchodilator
428	V3_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
429	V3_GLI_FVC_LLN	Num	8	Visit 3 GLI Reference value for FVC Lower Limit of Normal
430	V3_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
431	V3_GLI_FEV1FVC_LLN	Num	8	Visit 3 GLI Reference value for FEV1FVC Lower Limit of Normal
432	V3_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
433	V3_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
434	V3_GLI_FEF2575_LLN	Num	8	Visit 3 GLI Reference value for FEF2575 Lower Limit of Normal
435	V3_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
436	V3_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator

Num	Variable	Type	Len	Label
437	V3_GLI_FEF75_LLN	Num	8	Visit 3 GLI Reference value for FEF75 Lower Limit of Normal
438	V3_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
439	V4_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
440	V4_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
441	V4_GLI_FEV1_LLN	Num	8	Visit 4 GLI Reference value for FEV1 Lower Limit of Normal
442	V4_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FVC Z-Score Pre-Bronchodilator
443	V4_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
444	V4_GLI_FVC_LLN	Num	8	Visit 4 GLI Reference value for FVC Lower Limit of Normal
445	V4_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
446	V4_GLI_FEV1FVC_LLN	Num	8	Visit 4 GLI Reference value for FEV1FVC Lower Limit of Normal
447	V4_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
448	V4_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
449	V4_GLI_FEF2575_LLN	Num	8	Visit 4 GLI Reference value for FEF2575 Lower Limit of Normal
450	V4_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
451	V4_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
452	V4_GLI_FEF75_LLN	Num	8	Visit 4 GLI Reference value for FEF75 Lower Limit of Normal
453	V4_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
454	V1_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
455	V1_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
456	V1_GLI_FVC_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FVC Z-Score Post-Bronchodilator
457	V1_GLI_FVC_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
458	V1_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
459	V1_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
460	V1_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
461	V1_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
462	V1_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
463	V1_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator
464	V2_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEV1 Z-Score Post-Bronchodilator

Num	Variable	Type	Len	Label
465	V2_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
466	V2_GLI_FVC_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FVC Z-Score Post-Bronchodilator
467	V2_GLI_FVC_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
468	V2_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
469	V2_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
470	V2_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
471	V2_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
472	V2_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
473	V2_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator
474	V3_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
475	V3_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
476	V3_GLI_FVC_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FVC Z-Score Post-Bronchodilator
477	V3_GLI_FVC_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
478	V3_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
479	V3_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
480	V3_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
481	V3_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
482	V3_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
483	V3_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator
484	V4_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
485	V4_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
486	V4_GLI_FVC_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FVC Z-Score Post-Bronchodilator
487	V4_GLI_FVC_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
488	V4_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
489	V4_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator

Num	Variable	Type	Len	Label
490	V4_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
491	V4_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
492	V4_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
493	V4_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator

Data Set Name: postv4_fuq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	EVENTNAME	Char	30	Event name
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	FUQ01	Char	1	1) (Do not ask participant) Participant status (choose one):
6	FUQ01C	Char	1	1c) Do you know if (insert decedent's name) was hospitalized or visited an emergency room for any reason since (date of last contact) and his/her death?
7	FUQ02	Char	1	2) Since your last (clinic visit or telephone contact) on (date), have you had a flare-up of your chest trouble?
8	FUQ02A	Num	8	2a) How many episodes of chest trouble flare ups have you had since (date)?
9	FUQ3A	Char	1	3a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
10	FUQ3B	Char	1	3b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
11	FUQ3C	Char	1	3c) Did you take additional antibiotics but without contacting a healthcare provider?
12	FUQ3D	Char	1	3d) Did you take additional oral steroids but without contacting a healthcare provider?
13	FUQ3E	Char	1	3e) Were you evaluated in a physician's office or urgent care?
14	FUQ03E1	Num	8	3e1) An additional antibiotic
15	FUQ03E2	Num	8	3e2) Additional steroids
16	FUQ03E3	Num	8	3e3) Don't know
17	FUQ03E4	Num	8	3e4) Don't remember
18	FUQ03F	Char	1	3f) Were you evaluated in an Emergency Department?
19	FUQ03F1	Num	8	3f1) An additional antibiotic
20	FUQ03F2	Num	8	3f2) Additional steroids
21	FUQ03F3	Num	8	3f3) Don't know
22	FUQ03F4	Num	8	3f4) Don't remember
23	FUQ03G	Char	1	3g) Were you admitted to the hospital?
24	FUQ05	Char	1	5) (do not ask) Did the participant have a second episode?
25	FUQ06A	Char	1	6a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
26	FUQ06B	Char	1	6b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
27	FUQ06C	Char	1	6c) Did you take additional antibiotics but without contacting a healthcare provider?
28	FUQ06D	Char	1	6d) Did you take additional oral steroids but without contacting a healthcare provider?
29	FUQ06E	Char	1	6e) Were you evaluated in a physician's office or urgent care?
30	FUQ06E1	Num	8	6e1) An additional antibiotic
31	FUQ06E2	Num	8	6e2) Additional steroids
32	FUQ06E3	Num	8	6e3) Don't know
33	FUQ06E4	Num	8	6e4) Don't remember

Num	Variable	Type	Len	Label
34	FUQ06F	Char	1	6f) Were you evaluated in an Emergency Department?
35	FUQ06F1	Num	8	6f1) An additional antibiotic
36	FUQ06F2	Num	8	6f2) Additional steroids
37	FUQ06F3	Num	8	6f3) Don't know
38	FUQ06F4	Num	8	6f4) Don't remember
39	FUQ06G	Char	1	6g) Were you admitted to the hospital?
40	FUQ08	Char	1	8) (do not ask) Did the participant have a third episode?
41	FUQ09A	Char	1	9a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
42	FUQ09B	Char	1	9b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
43	FUQ09C	Char	1	9c) Did you take additional antibiotics but without contacting a healthcare provider?
44	FUQ09D	Char	1	9d) Did you take additional oral steroids but without contacting a healthcare provider?
45	FUQ09E	Char	1	9e) Were you evaluated in a physician's office or urgent care?
46	FUQ09E1	Num	8	9e1) An additional antibiotic
47	FUQ09E2	Num	8	9e2) Additional steroids
48	FUQ09E3	Num	8	9e3) Don't know
49	FUQ09E4	Num	8	9e4) Don't remember
50	FUQ09F	Char	1	9f) Were you evaluated in an Emergency Department?
51	FUQ09F1	Num	8	9f1) An additional antibiotic
52	FUQ09F2	Num	8	9f2) Additional steroids
53	FUQ09F3	Num	8	9f3) Don't know
54	FUQ09F4	Num	8	9f4) Don't remember
55	FUQ09G	Char	1	9g) Were you admitted to the hospital?
56	FUQ11	Char	1	11) (do not ask) Did the participant have a fourth episode?
57	FUQ12A	Char	1	12a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
58	FUQ12B	Char	1	12b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
59	FUQ12C	Char	1	12c) Did you take additional antibiotics but without contacting a healthcare provider?
60	FUQ12D	Char	1	12d) Did you take additional oral steroids but without contacting a healthcare provider?
61	FUQ12E	Char	1	12e) Were you evaluated in a physician's office or urgent care?
62	FUQ12E1	Num	8	12e1) An additional antibiotic
63	FUQ12E2	Num	8	12e2) Additional steroids
64	FUQ12E3	Num	8	12e3) Don't know
65	FUQ12E4	Num	8	12e4) Don't remember
66	FUQ12F	Char	1	12f) Were you evaluated in an Emergency Department?
67	FUQ12F1	Num	8	12f1) An additional antibiotic
68	FUQ12F2	Num	8	12f2) Additional steroids
69	FUQ12F3	Num	8	12f3) Don't know

Num	Variable	Type	Len	Label
70	FUQ12F4	Num	8	12f4) Don't remember
71	FUQ12G	Char	1	12g) Were you admitted to the hospital?
72	FUQ14	Char	1	14) (do not ask) Did the participant have a fifth episode?
73	FUQ15A	Char	1	15a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
74	FUQ15B	Char	1	15b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
75	FUQ15C	Char	1	15c) Did you take additional antibiotics but without contacting a healthcare provider?
76	FUQ15D	Char	1	15d) Did you take additional oral steroids but without contacting a healthcare provider?
77	FUQ15E	Char	1	15e) Were you evaluated in a physician's office or urgent care?
78	FUQ15E1	Num	8	15e1) An additional antibiotic
79	FUQ15E2	Num	8	15e2) Additional steroids
80	FUQ15E3	Num	8	15e3) Don't know
81	FUQ15E4	Num	8	15e4) Don't remember
82	FUQ15F	Char	1	15f) Were you evaluated in an Emergency Department?
83	FUQ15F1	Num	8	15f1) An additional antibiotic
84	FUQ15F2	Num	8	15f2) Additional steroids
85	FUQ15F3	Num	8	15f3) Don't know
86	FUQ15F4	Num	8	15f4) Don't remember
87	FUQ15G	Char	1	15g) Were you admitted to the hospital?
88	FUQ17	Char	1	17) (do not ask) Did the participant have a sixth episode?
89	FUQ18A	Char	1	18a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
90	FUQ18B	Char	1	18b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
91	FUQ18C	Char	1	18c) Did you take additional antibiotics but without contacting a healthcare provider?
92	FUQ18D	Char	1	18d) Did you take additional oral steroids but without contacting a healthcare provider?
93	FUQ18E	Char	1	18e) Were you evaluated in a physician's office or urgent care?
94	FUQ18E1	Num	8	18e1) An additional antibiotic
95	FUQ18E2	Num	8	18e2) Additional steroids
96	FUQ18E3	Num	8	18e3) Don't know
97	FUQ18E4	Num	8	18e4) Don't remember
98	FUQ18F	Char	1	18f) Were you evaluated in an Emergency Department?
99	FUQ18F1	Num	8	18f1) An additional antibiotic
100	FUQ18F2	Num	8	18f2) Additional steroids
101	FUQ18F3	Num	8	18f3) Don't know
102	FUQ18F4	Num	8	18f4) Don't remember
103	FUQ18G	Char	1	18g) Were you admitted to the hospital?
104	FUQ20	Char	1	Since your last (center visit or telephone contact) on (date), have you at any time been admitted to a hospital (For COPD Participants: for any reason other than a chest flare up)?

Num	Variable	Type	Len	Label
105	FUQ20A	Num	8	20a) How many hospitalizations have you had since (date)?
106	FUQ21E	Char	1	21e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
107	FUQ22E	Char	1	22e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
108	FUQ23E	Char	1	23e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
109	FUQ27	Char	1	27) Did your doctor put you on oxygen?
110	FUQ28	Char	1	28) Have you been listed for or received a lung transplant?
111	FUQ29	Char	1	29) Are you currently smoking cigarettes?
112	FUQ30	Char	1	30) Since your last (clinic visit or telephone contact) on (date), have you been diagnosed with other medical problems or been injured?
113	FUQ31A	Char	1	31a) Lung cancer
114	FUQ31B	Char	1	31b) Other type of cancer
115	FUQ31B1	Char	20	If so, what type?
116	FUQ31C	Char	1	31c) Diabetes
117	FUQ31D	Char	1	31d) Blood Clots
118	FUQ31E	Char	1	31e) Osteoporosis
119	FUQ31F	Char	1	31f) Broken Hip
120	FUQ31G	Char	1	31g) Heart attack or myocardial infarction
121	FUQ31H	Char	1	31h) Stroke
122	FUQ31I	Char	1	31i) Coronary artery disease (atherosclerosis)
123	FUQ34A	Num	8	Morning
124	FUQ34B	Num	8	Afternoon
125	FUQ34C	Num	8	Evening
126	FUQ36A	Num	8	Morning
127	FUQ36B	Num	8	Afternoon
128	FUQ36C	Num	8	Evening
129	FUQ01AY	Num	8	Year of 1a) What was the date of death?
130	FUQ04AY	Num	8	Year of 4a) What was the date of this event?
131	FUQ21AY	Num	8	Year of 21a) What was the date of this event?
132	FUQ22AY	Num	8	Year of 22a) What was the date of this event?
133	FUQ32A1Y	Num	8	Year of a) When did you start living here?
134	VERSION	Char	21	Version
135	FUQ0A_DAYS	Num	8	Form Date - Days from enrollment
136	FUQ04A_MONTHS	Num	8	Event date - Months from enrollment
137	FUQ21A_MONTHS	Num	8	Event date - Months from enrollment
138	FUQ22A_MONTHS	Num	8	Event date - Months from enrollment
139	FUQ32A1_MONTHS	Num	8	When did you start living here? - Months from enrollment

Data Set Name: q3_33_fuq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	EVENTNAME	Char	30	Event name
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	FUQ01	Char	1	1) (Do not ask participant) Participant status (choose one):
6	FUQ01C	Char	1	1c) Do you know if (insert decedent's name) was hospitalized or visited an emergency room for any reason since (date of last contact) and his/her death?
7	FUQ02	Char	1	2) Since your last (clinic visit or telephone contact) on (date), have you had a flare-up of your chest trouble?
8	FUQ02A	Num	8	2a) How many episodes of chest trouble flare ups have you had since (date)?
9	FUQ3A	Char	1	3a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
10	FUQ3B	Char	1	3b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
11	FUQ3C	Char	1	3c) Did you take additional antibiotics but without contacting a healthcare provider?
12	FUQ3D	Char	1	3d) Did you take additional oral steroids but without contacting a healthcare provider?
13	FUQ3E	Char	1	3e) Were you evaluated in a physician's office or urgent care?
14	FUQ03E1	Num	8	3e1) An additional antibiotic
15	FUQ03E2	Num	8	3e2) Additional steroids
16	FUQ03E3	Num	8	3e3) Don't know
17	FUQ03E4	Num	8	3e4) Don't remember
18	FUQ03F	Char	1	3f) Were you evaluated in an Emergency Department?
19	FUQ03F1	Num	8	3f1) An additional antibiotic
20	FUQ03F2	Num	8	3f2) Additional steroids
21	FUQ03F3	Num	8	3f3) Don't know
22	FUQ03F4	Num	8	3f4) Don't remember
23	FUQ03G	Char	1	3g) Were you admitted to the hospital?
24	FUQ05	Char	1	5) (do not ask) Did the participant have a second episode?
25	FUQ06A	Char	1	6a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
26	FUQ06B	Char	1	6b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
27	FUQ06C	Char	1	6c) Did you take additional antibiotics but without contacting a healthcare provider?
28	FUQ06D	Char	1	6d) Did you take additional oral steroids but without contacting a healthcare provider?
29	FUQ06E	Char	1	6e) Were you evaluated in a physician's office or urgent care?
30	FUQ06E1	Num	8	6e1) An additional antibiotic
31	FUQ06E2	Num	8	6e2) Additional steroids
32	FUQ06E3	Num	8	6e3) Don't know
33	FUQ06E4	Num	8	6e4) Don't remember

Num	Variable	Type	Len	Label
34	FUQ06F	Char	1	6f) Were you evaluated in an Emergency Department?
35	FUQ06F1	Num	8	6f1) An additional antibiotic
36	FUQ06F2	Num	8	6f2) Additional steroids
37	FUQ06F3	Num	8	6f3) Don't know
38	FUQ06F4	Num	8	6f4) Don't remember
39	FUQ06G	Char	1	6g) Were you admitted to the hospital?
40	FUQ08	Char	1	8) (do not ask) Did the participant have a third episode?
41	FUQ09A	Char	1	9a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
42	FUQ09B	Char	1	9b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
43	FUQ09C	Char	1	9c) Did you take additional antibiotics but without contacting a healthcare provider?
44	FUQ09D	Char	1	9d) Did you take additional oral steroids but without contacting a healthcare provider?
45	FUQ09E	Char	1	9e) Were you evaluated in a physician's office or urgent care?
46	FUQ09E1	Num	8	9e1) An additional antibiotic
47	FUQ09E2	Num	8	9e2) Additional steroids
48	FUQ09E3	Num	8	9e3) Don't know
49	FUQ09E4	Num	8	9e4) Don't remember
50	FUQ09F	Char	1	9f) Were you evaluated in an Emergency Department?
51	FUQ09F1	Num	8	9f1) An additional antibiotic
52	FUQ09F2	Num	8	9f2) Additional steroids
53	FUQ09F3	Num	8	9f3) Don't know
54	FUQ09F4	Num	8	9f4) Don't remember
55	FUQ09G	Char	1	9g) Were you admitted to the hospital?
56	FUQ11	Char	1	11) (do not ask) Did the participant have a fourth episode?
57	FUQ12A	Char	1	12a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
58	FUQ12B	Char	1	12b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
59	FUQ12C	Char	1	12c) Did you take additional antibiotics but without contacting a healthcare provider?
60	FUQ12D	Char	1	12d) Did you take additional oral steroids but without contacting a healthcare provider?
61	FUQ12E	Char	1	12e) Were you evaluated in a physician's office or urgent care?
62	FUQ12E1	Num	8	12e1) An additional antibiotic
63	FUQ12E2	Num	8	12e2) Additional steroids
64	FUQ12E3	Num	8	12e3) Don't know
65	FUQ12E4	Num	8	12e4) Don't remember
66	FUQ12F	Char	1	12f) Were you evaluated in an Emergency Department?
67	FUQ12F1	Num	8	12f1) An additional antibiotic
68	FUQ12F2	Num	8	12f2) Additional steroids
69	FUQ12F3	Num	8	12f3) Don't know

Num	Variable	Type	Len	Label
70	FUQ12F4	Num	8	12f4) Don't remember
71	FUQ12G	Char	1	12g) Were you admitted to the hospital?
72	FUQ14	Char	1	14) (do not ask) Did the participant have a fifth episode?
73	FUQ15A	Char	1	15a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
74	FUQ15B	Char	1	15b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
75	FUQ15C	Char	1	15c) Did you take additional antibiotics but without contacting a healthcare provider?
76	FUQ15D	Char	1	15d) Did you take additional oral steroids but without contacting a healthcare provider?
77	FUQ15E	Char	1	15e) Were you evaluated in a physician's office or urgent care?
78	FUQ15E1	Num	8	15e1) An additional antibiotic
79	FUQ15E2	Num	8	15e2) Additional steroids
80	FUQ15E3	Num	8	15e3) Don't know
81	FUQ15E4	Num	8	15e4) Don't remember
82	FUQ15F	Char	1	15f) Were you evaluated in an Emergency Department?
83	FUQ15F1	Num	8	15f1) An additional antibiotic
84	FUQ15F2	Num	8	15f2) Additional steroids
85	FUQ15F3	Num	8	15f3) Don't know
86	FUQ15F4	Num	8	15f4) Don't remember
87	FUQ15G	Char	1	15g) Were you admitted to the hospital?
88	FUQ17	Char	1	17) (do not ask) Did the participant have a sixth episode?
89	FUQ18A	Char	1	18a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
90	FUQ18B	Char	1	18b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
91	FUQ18C	Char	1	18c) Did you take additional antibiotics but without contacting a healthcare provider?
92	FUQ18D	Char	1	18d) Did you take additional oral steroids but without contacting a healthcare provider?
93	FUQ18E	Char	1	18e) Were you evaluated in a physician's office or urgent care?
94	FUQ18E1	Num	8	18e1) An additional antibiotic
95	FUQ18E2	Num	8	18e2) Additional steroids
96	FUQ18E3	Num	8	18e3) Don't know
97	FUQ18E4	Num	8	18e4) Don't remember
98	FUQ18F	Char	1	18f) Were you evaluated in an Emergency Department?
99	FUQ18F1	Num	8	18f1) An additional antibiotic
100	FUQ18F2	Num	8	18f2) Additional steroids
101	FUQ18F3	Num	8	18f3) Don't know
102	FUQ18F4	Num	8	18f4) Don't remember
103	FUQ18G	Char	1	18g) Were you admitted to the hospital?
104	FUQ20	Char	1	Since your last (center visit or telephone contact) on (date), have you at any time been admitted to a hospital (For COPD Participants: for any reason other than a chest flare up)?

Num	Variable	Type	Len	Label
105	FUQ20A	Num	8	20a) How many hospitalizations have you had since (date)?
106	FUQ21E	Char	1	21e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
107	FUQ22E	Char	1	22e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
108	FUQ23E	Char	1	23e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
109	FUQ24E	Char	1	24e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
110	FUQ25E	Char	1	25e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
111	FUQ26E	Char	1	26e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
112	FUQ27	Char	1	27) Did your doctor put you on oxygen?
113	FUQ28	Char	1	28) Have you been listed for or received a lung transplant?
114	FUQ29	Char	1	29) Are you currently smoking cigarettes?
115	FUQ30	Char	1	30) Since your last (clinic visit or telephone contact) on (date), have you been diagnosed with other medical problems or been injured?
116	FUQ31A	Char	1	31a) Lung cancer
117	FUQ31B	Char	1	31b) Other type of cancer
118	FUQ31B1	Char	20	If so, what type?
119	FUQ31C	Char	1	31c) Diabetes
120	FUQ31D	Char	1	31d) Blood Clots
121	FUQ31E	Char	1	31e) Osteoporosis
122	FUQ31F	Char	1	31f) Broken Hip
123	FUQ31G	Char	1	31g) Heart attack or myocardial infarction
124	FUQ31H	Char	1	31h) Stroke
125	FUQ31I	Char	1	31i) Coronary artery disease (atherosclerosis)
126	FUQ34A	Num	8	Morning
127	FUQ34B	Num	8	Afternoon
128	FUQ34C	Num	8	Evening
129	FUQ36A	Num	8	Morning
130	FUQ36B	Num	8	Afternoon
131	FUQ36C	Num	8	Evening
132	VERSION	Char	21	Version
133	FUQ0A_DAYS	Num	8	Form Date - Days from enrollment
134	FUQ01A_DAYS	Num	8	Date of death - Days from enrollment
135	FUQ04A_DAYS	Num	8	Event Date - Days from enrollment
136	FUQ07A_DAYS	Num	8	Event Date - Days from enrollment
137	FUQ10A_DAYS	Num	8	Event Date - Days from enrollment
138	FUQ13A_DAYS	Num	8	Event Date - Days from enrollment

Num	Variable	Type	Len	Label
139	FUQ21A_DAYS	Num	8	Event Date - Days from enrollment
140	FUQ22A_DAYS	Num	8	Event Date - Days from enrollment
141	FUQ23A_DAYS	Num	8	Event Date - Days from enrollment
142	FUQ24A_DAYS	Num	8	Event Date - Days from enrollment
143	FUQ25A_DAYS	Num	8	Event Date - Days from enrollment

Data Set Name: v1_ant_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ANT01	Char	1	ANT01 Assessment of ability to stand
5	ANT02	Num	8	ANT02 Standing Height (cm)
6	ANT03	Num	8	ANT03 Weight (kg)
7	ANT04	Num	8	ANT04 BMI
8	ANT05	Num	8	ANT05 Arm Span (cm)
9	ANT06A	Num	8	ANT06A Waist (cm)
10	ANT06B	Num	8	ANT06B Hip (cm)
11	ANT06C	Num	8	ANT06C Neck (cm)
12	VERSION	Char	21	Version
13	ANT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_beq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	VISIT
4	BEQ01	Char	1	BEQ01 Breathing Problems last 12 months
5	BEQ02	Num	8	BEQ02 Number of breathing problem episodes last 12 months
6	BEQ03A	Char	1	BEQ03A First episode: additional antibiotics after contacting healthcare provider
7	BEQ03B	Char	1	BEQ03B First episode: additional oral steroids after contacting healthcare provider
8	BEQ03C	Char	1	BEQ03C First episode: additional antibiotics without contacting healthcare provider
9	BEQ03D	Char	1	BEQ03D First episode: additional oral steroids without contacting healthcare provider
10	BEQ03E	Char	1	BEQ03E First episode: evaluated at physician's office or urgent care
11	BEQ03E1	Num	8	BEQ03E1 First episode: additional antibiotics after office visit
12	BEQ03E2	Num	8	BEQ03E2 First episode: additional oral steroids after office visit
13	BEQ03E3	Num	8	BEQ03E3 First episode: do not know treatment after office visit
14	BEQ03E4	Num	8	BEQ03E4 First episode: do not remember treatment after office visit
15	BEQ03F	Char	1	BEQ03F First episode: evaluated in an Emergency Department
16	BEQ03F1	Num	8	BEQ03F1 First episode: additional antibiotics after ED visit
17	BEQ03F2	Num	8	BEQ03F2 First episode: additional oral steroids after ED visit
18	BEQ03F3	Num	8	BEQ03F3 First episode: do not know treatment after ED visit
19	BEQ03F4	Num	8	BEQ03F4 First episode: do not remember treatment after ED visit
20	BEQ03G	Char	1	BEQ03G First episode: admitted to hospital
21	BEQ04	Char	1	BEQ04 Was there a second episode of breathing problems
22	BEQ05A	Char	1	BEQ05A Second episode: additional antibiotics after contacting healthcare provider
23	BEQ05B	Char	1	BEQ05B Second episode: additional oral steroids after contacting healthcare provider
24	BEQ05C	Char	1	BEQ05C Second episode: additional antibiotics without contacting healthcare provider
25	BEQ05D	Char	1	BEQ05D Second episode: additional oral steroids without contacting healthcare provider
26	BEQ05E	Char	1	BEQ05E Second episode: evaluated at physician's office or urgent care
27	BEQ05E1	Num	8	BEQ05E1 Second episode: additional antibiotics after office visit
28	BEQ05E2	Num	8	BEQ05E2 Second episode: additional oral steroids after office visit
29	BEQ05E3	Num	8	BEQ05E3 Second episode: do not know treatment after office visit
30	BEQ05E4	Num	8	BEQ05E4 Second episode: do not remember treatment after office visit
31	BEQ05F	Char	1	BEQ05F Second episode: evaluated in an Emergency Department
32	BEQ05F1	Num	8	BEQ05F1 Second episode: additional antibiotics after ED visit
33	BEQ05F2	Num	8	BEQ05F2 Second episode: additional oral steroids after ED visit
34	BEQ05F3	Num	8	BEQ05F3 Second episode: do not know treatment after ED visit
35	BEQ05F4	Num	8	BEQ05F4 Second episode: do not remember treatment after ED visit
36	BEQ05G	Char	1	BEQ05G Second episode: admitted to hospital
37	BEQ06	Char	1	BEQ06 Was there a Third episode of breathing problems

Num	Variable	Type	Len	Label
38	BEQ07A	Char	1	BEQ07A Third episode: additional antibiotics after contacting healthcare provider
39	BEQ07B	Char	1	BEQ07B Third episode: additional oral steroids after contacting healthcare provider
40	BEQ07C	Char	1	BEQ07C Third episode: additional antibiotics without contacting healthcare provider
41	BEQ07D	Char	1	BEQ07D Third episode: additional oral steroids without contacting healthcare provider
42	BEQ07E	Char	1	BEQ07E Third episode: evaluated at physician's office or urgent care
43	BEQ07E1	Num	8	BEQ07E1 Third episode: additional antibiotics after office visit
44	BEQ07E2	Num	8	BEQ07E2 Third episode: additional oral steroids after office visit
45	BEQ07E3	Num	8	BEQ07E3 Third episode: do not know treatment after office visit
46	BEQ07E4	Num	8	BEQ07E4 Third episode: do not remember treatment after office visit
47	BEQ07F	Char	1	BEQ07F Third episode: evaluated in an Emergency Department
48	BEQ07F1	Num	8	BEQ07F1 Third episode: additional antibiotics after ED visit
49	BEQ07F2	Num	8	BEQ07F2 Third episode: additional oral steroids after ED visit
50	BEQ07F3	Num	8	BEQ07F3 Third episode: do not know treatment after ED visit
51	BEQ07F4	Num	8	BEQ07F4 Third episode: do not remember treatment after ED visit
52	BEQ07G	Char	1	BEQ07G Third episode: admitted to hospital
53	BEQ08	Char	1	BEQ08 Was there a Fourth episode of breathing problems
54	BEQ09A	Char	1	BEQ09A Fourth episode: additional antibiotics after contacting healthcare provider
55	BEQ09B	Char	1	BEQ09B Fourth episode: additional oral steroids after contacting healthcare provider
56	BEQ09C	Char	1	BEQ09C Fourth episode: additional antibiotics without contacting healthcare provider
57	BEQ09D	Char	1	BEQ09D Fourth episode: additional oral steroids without contacting healthcare provider
58	BEQ09E	Char	1	BEQ09E Fourth episode: evaluated at physician's office or urgent care
59	BEQ09E1	Num	8	BEQ09E1 Fourth episode: additional antibiotics after office visit
60	BEQ09E2	Num	8	BEQ09E2 Fourth episode: additional oral steroids after office visit
61	BEQ09E3	Num	8	BEQ09E3 Fourth episode: do not know treatment after office visit
62	BEQ09E4	Num	8	BEQ09E4 Fourth episode: do not remember treatment after office visit
63	BEQ09F	Char	1	BEQ09F Fourth episode: evaluated in an Emergency Department
64	BEQ09F1	Num	8	BEQ09F1 Fourth episode: additional antibiotics after ED visit
65	BEQ09F2	Num	8	BEQ09F2 Fourth episode: additional oral steroids after ED visit
66	BEQ09F3	Num	8	BEQ09F3 Fourth episode: do not know treatment after ED visit
67	BEQ09F4	Num	8	BEQ09F4 Fourth episode: do not remember treatment after ED visit
68	BEQ09G	Char	1	BEQ09G Fourth episode: admitted to hospital
69	BEQ10	Char	1	BEQ10 Was there a Fifth episode of breathing problems
70	BEQ11A	Char	1	BEQ11A Fifth episode: additional antibiotics after contacting healthcare provider
71	BEQ11B	Char	1	BEQ11B Fifth episode: additional oral steroids after contacting healthcare provider
72	BEQ11C	Char	1	BEQ11C Fifth episode: additional antibiotics without contacting healthcare provider
73	BEQ11D	Char	1	BEQ11D Fifth episode: additional oral steroids without contacting healthcare provider
74	BEQ11E	Char	1	BEQ11E Fifth episode: evaluated at physician's office or urgent care
75	BEQ11E1	Num	8	BEQ11E1 Fifth episode: additional antibiotics after office visit
76	BEQ11E2	Num	8	BEQ11E2 Fifth episode: additional oral steroids after office visit

Num	Variable	Type	Len	Label
77	BEQ11E3	Num	8	BEQ11E3 Fifth episode: do not know treatment after office visit
78	BEQ11E4	Num	8	BEQ11E4 Fifth episode: do not remember treatment after office visit
79	BEQ11F	Char	1	BEQ11F Fifth episode: evaluated in an Emergency Department
80	BEQ11F1	Num	8	BEQ11F1 Fifth episode: additional antibiotics after ED visit
81	BEQ11F2	Num	8	BEQ11F2 Fifth episode: additional oral steroids after ED visit
82	BEQ11F3	Num	8	BEQ11F3 Fifth episode: do not know treatment after ED visit
83	BEQ11F4	Num	8	BEQ11F4 Fifth episode: do not remember treatment after ED visit
84	BEQ11G	Char	1	BEQ11G Fifth episode: admitted to hospital
85	BEQ12	Char	1	BEQ12 Was there a Sixth episode of breathing problems
86	BEQ13A	Char	1	BEQ13A Sixth episode: additional antibiotics after contacting healthcare provider
87	BEQ13B	Char	1	BEQ13B Sixth episode: additional oral steroids after contacting healthcare provider
88	BEQ13C	Char	1	BEQ13C Sixth episode: additional antibiotics without contacting healthcare provider
89	BEQ13D	Char	1	BEQ13D Sixth episode: additional oral steroids without contacting healthcare provider
90	BEQ13E	Char	1	BEQ13E Sixth episode: evaluated at physician's office or urgent care
91	BEQ13E1	Num	8	BEQ13E1 Sixth episode: additional antibiotics after office visit
92	BEQ13E2	Num	8	BEQ13E2 Sixth episode: additional oral steroids after office visit
93	BEQ13E3	Num	8	BEQ13E3 Sixth episode: do not know treatment after office visit
94	BEQ13E4	Num	8	BEQ13E4 Sixth episode: do not remember treatment after office visit
95	BEQ13F	Char	1	BEQ13F Sixth episode: evaluated in an Emergency Department
96	BEQ13F1	Num	8	BEQ13F1 Sixth episode: additional antibiotics after ED visit
97	BEQ13F2	Num	8	BEQ13F2 Sixth episode: additional oral steroids after ED visit
98	BEQ13F3	Num	8	BEQ13F3 Sixth episode: do not know treatment after ED visit
99	BEQ13F4	Num	8	BEQ13F4 Sixth episode: do not remember treatment after ED visit
100	BEQ13G	Char	1	BEQ13G Sixth episode: admitted to hospital
101	VERSION	Char	21	VERSION
102	BEQ0A_DAYS	Num	8	Form Date - Days from enrollment

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Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	
4	BIO01	Char	1	BIO01 Fasting before appointment?
5	BIO02	Char	5	BIO02 Time most recently eaten
6	BIO02_AMPM	Char	1	BIO02_AMPM Recently eaten AM/PM
7	BIO04	Char	5	BIO04 Collection time
8	BIO04_AMPM	Char	1	BIO04_AMPM Blood collection time AM/PM
9	BIO05	Num	8	BIO05 Number of venipuncture attempts
10	BIO06	Char	1	BIO06 Incidents/Problems drawing blood?
11	BIO07A1	Num	8	BIO07A1 Tube 1 Sample Not Drawn
12	BIO07A2	Num	8	BIO07A2 Tube 2 Sample Not Drawn
13	BIO07A3	Num	8	BIO07A3 Tube 3 Sample Not Drawn
14	BIO07A4	Num	8	BIO07A4 Tube 4 Sample Not Drawn
15	BIO07A5	Num	8	BIO07A5 Tube 5 Sample Not Drawn
16	BIO07A6	Num	8	BIO07A6 Tube 6 Sample Not Drawn
17	BIO07A7	Num	8	BIO07A7 Tube 7 Sample Not Drawn
18	BIO07A8	Num	8	BIO07A8 Tube 8 Sample Not Drawn
19	BIO07A9	Num	8	BIO07A9 Tube 9 Sample Not Drawn
20	BIO07B1	Num	8	BIO07B1 Tube 1 Partial sample drawn
21	BIO07B2	Num	8	BIO07B2 Tube 2 Partial sample drawn
22	BIO07B3	Num	8	BIO07B3 Tube 3 Partial sample drawn
23	BIO07B4	Num	8	BIO07B4 Tube 4 Partial sample drawn
24	BIO07B5	Num	8	BIO07B5 Tube 5 Partial sample drawn
25	BIO07B6	Num	8	BIO07B6 Tube 6 Partial sample drawn
26	BIO07B7	Num	8	BIO07B7 Tube 7 Partial sample drawn
27	BIO07B8	Num	8	BIO07B8 Tube 8 Partial sample drawn
28	BIO07B9	Num	8	BIO07B9 Tube 9 Partial sample drawn
29	BIO07C1	Num	8	BIO07C1 Tube 1 Tourniquet reapplied
30	BIO07C2	Num	8	BIO07C2 Tube 2 Tourniquet reapplied
31	BIO07C3	Num	8	BIO07C3 Tube 3 Tourniquet reapplied
32	BIO07C4	Num	8	BIO07C4 Tube 4 Tourniquet reapplied
33	BIO07C5	Num	8	BIO07C5 Tube 5 Tourniquet reapplied
34	BIO07C6	Num	8	BIO07C6 Tube 6 Tourniquet reapplied
35	BIO07C7	Num	8	BIO07C7 Tube 7 Tourniquet reapplied
36	BIO07C8	Num	8	BIO07C8 Tube 8 Tourniquet reapplied
37	BIO07C9	Num	8	BIO07C9 Tube 9 Tourniquet reapplied

Num	Variable	Type	Len	Label
38	BIO07D1	Num	8	BIO07D1 Tube 1 Fist clenching
39	BIO07D2	Num	8	BIO07D2 Tube 2 Fist clenching
40	BIO07D3	Num	8	BIO07D3 Tube 3 Fist clenching
41	BIO07D4	Num	8	BIO07D4 Tube 4 Fist clenching
42	BIO07D5	Num	8	BIO07D5 Tube 5 Fist clenching
43	BIO07D6	Num	8	BIO07D6 Tube 6 Fist clenching
44	BIO07D7	Num	8	BIO07D7 Tube 7 Fist clenching
45	BIO07D8	Num	8	BIO07D8 Tube 8 Fist clenching
46	BIO07D9	Num	8	BIO07D9 Tube 9 Fist clenching
47	BIO07E1	Num	8	BIO07E1 Tube 1 Needle movement
48	BIO07E2	Num	8	BIO07E2 Tube 2 Needle movement
49	BIO07E3	Num	8	BIO07E3 Tube 3 Needle movement
50	BIO07E4	Num	8	BIO07E4 Tube 4 Needle movement
51	BIO07E5	Num	8	BIO07E5 Tube 5 Needle movement
52	BIO07E6	Num	8	BIO07E6 Tube 6 Needle movement
53	BIO07E7	Num	8	BIO07E7 Tube 7 Needle movement
54	BIO07E8	Num	8	BIO07E8 Tube 8 Needle movement
55	BIO07E9	Num	8	BIO07E9 Tube 9 Needle movement
56	BIO07F1	Num	8	BIO07F1 Tube 1 Participant reclining
57	BIO07F2	Num	8	BIO07F2 Tube 2 Participant reclining
58	BIO07F3	Num	8	BIO07F3 Tube 3 Participant reclining
59	BIO07F4	Num	8	BIO07F4 Tube 4 Participant reclining
60	BIO07F5	Num	8	BIO07F5 Tube 5 Participant reclining
61	BIO07F6	Num	8	BIO07F6 Tube 6 Participant reclining
62	BIO07F7	Num	8	BIO07F7 Tube 7 Participant reclining
63	BIO07F8	Num	8	BIO07F8 Tube 8 Participant reclining
64	BIO07F9	Num	8	BIO07F9 Tube 9 Participant reclining
65	BIO10A	Char	5	BIO10A Tube 1: Time processed
66	BIO10A_AMPM	Char	1	BIO10A_AMPM Tube 1: Processed AM/PM
67	BIO10B	Char	1	BIO10B Tube 1: Problems Processing?
68	BIO10B1	Num	8	BIO10B1 Tube 1: Broken tube
69	BIO10B2	Num	8	BIO10B2 Tube 1: Sample re-centrifuged
70	BIO10B3	Num	8	BIO10B3 Tube 1: Clotted
71	BIO10B4	Num	8	BIO10B4 Tube 1: Hemolyzed
72	BIO10B5	Num	8	BIO10B5 Tube 1: Lipemic
73	BIO10B6	Num	8	BIO10B6 Tube 1: Other
74	BIO10B6A	Char	30	BIO10B6A Tube 1:Specify Problem Processing
75	BIO10C	Num	8	BIO10C Tube 1: Number of aliquots
76	BIO10D	Num	8	BIO10D Tube 1: Volume in last four aliquots

Num	Variable	Type	Len	Label
77	BIO10E	Num	8	BIO10E Tube 1: Freezer box number
78	BIO10F	Char	5	BIO10F Tube 1: Time aliquots placed in freezer
79	BIO10F_AMPM	Char	1	BIO10F_AMPM Tube 1: Freezer AM/PM
80	BIO11A	Char	5	BIO11A Tube 2: Time processed
81	BIO11A_AMPM	Char	1	BIO11A_AMPM Tube 2: Processed AM/PM
82	BIO11B	Char	1	BIO11B Tube 2: Problems processing?
83	BIO11B1	Num	8	BIO11B1 Tube 2: Broken tube
84	BIO11B2	Num	8	BIO11B2 Tube 2: Sample re-centrifuged
85	BIO11B3	Num	8	BIO11B3 Tube 2: Clotted
86	BIO11B4	Num	8	BIO11B4 Tube 2: Hemolyzed
87	BIO11B5	Num	8	BIO11B5 Tube 2: Lipemic
88	BIO11B6	Num	8	BIO11B6 Tube 2: Other
89	BIO11B6A	Char	30	BIO11B6A Tube 2:Specify Problem Processing
90	BIO11C	Num	8	BIO11C Tube 2: Number of aliquots
91	BIO11D	Num	8	BIO11D Tube 2: Volume in last four aliquots
92	BIO11E	Num	8	BIO11E Tube 2: Freezer box number
93	BIO11F	Char	5	BIO11F Tube 2: Time aliquots placed in freezer
94	BIO11F_AMPM	Char	1	BIO11F_AMPM Tube 2: Freezer AM/PM
95	BIO12A	Char	5	BIO12A Tube 3: Time processed
96	BIO12A_AMPM	Char	1	BIO12A_AMPM Tube 3: Processed AM/PM
97	BIO12B	Char	1	BIO12B Tube 3: Problems processing?
98	BIO12B1	Num	8	BIO12B1 Tube 3: Broken tube
99	BIO12B2	Num	8	BIO12B2 Tube 3: Sample re-centrifuged
100	BIO12B3	Num	8	BIO12B3 Tube 3: Clotted
101	BIO12B4	Num	8	BIO12B4 Tube 3: Hemolyzed
102	BIO12B5	Num	8	BIO12B5 Tube 3: Lipemic
103	BIO12B6	Num	8	BIO12B6 Tube 3: Other
104	BIO12B6A	Char	30	BIO12B6A Tube 3:Specify Problem Processing
105	BIO12C	Num	8	BIO12C Tube 3: Number of aliquots
106	BIO12D	Num	8	BIO12D Tube 3: Volume in last four aliquots
107	BIO12E	Num	8	BIO12E Tube 3: Freezer box number
108	BIO12F	Char	5	BIO12F Tube 3: Time aliquots placed in freezer
109	BIO12F_AMPM	Char	1	BIO12F_AMPM Tube 3: Freezer AM/PM
110	BIO13A	Char	5	BIO13A Tube 4: Time processed
111	BIO13A_AMPM	Char	1	BIO13A_AMPM Tube 4:Processed AM/PM
112	BIO13B	Char	1	BIO13B Tube 4: Problems processing?
113	BIO13B1	Num	8	BIO13B1 Tube 4: Broken tube
114	BIO13B2	Num	8	BIO13B2 Tube 4: Sample re-centrifuged
115	BIO13B3	Num	8	BIO13B3 Tube 4: Clotted

Num	Variable	Type	Len	Label
116	BIO13B4	Num	8	BIO13B4 Tube 4: Hemolyzed
117	BIO13B5	Num	8	BIO13B5 Tube 4: Lipemic
118	BIO13B6	Num	8	BIO13B6 Tube 4: Other
119	BIO13B6A	Char	30	BIO13B6A Tube 4:Specify Problem Processing
120	BIO13C	Num	8	BIO13C Tube 4: Number of aliquots
121	BIO13D	Num	8	BIO13D Tube 4: Volume in last four aliquots
122	BIO13E	Num	8	BIO13E Tube 4: Freezer box number
123	BIO13F	Char	5	BIO13F Tube 4: Time aliquots placed in freezer
124	BIO13F_AMPM	Char	1	BIO13F_AMPM Tube 4:Freezer AM/PM
125	BIO14A	Char	5	BIO14A Tube 5: Time processed
126	BIO14A_AMPM	Char	1	BIO14A_AMPM Tube 5:Processed AM/PM
127	BIO14B	Char	1	BIO14B Tube 5: Problems processing?
128	BIO14B1	Num	8	BIO14B1 Tube 5: Broken tube
129	BIO14B2	Num	8	BIO14B2 Tube 5: Sample re-centrifuged
130	BIO14B3	Num	8	BIO14B3 Tube 5: Clotted
131	BIO14B4	Num	8	BIO14B4 Tube 5: Hemolyzed
132	BIO14B5	Num	8	BIO14B5 Tube 5: Lipemic
133	BIO14B6	Num	8	BIO14B6 Tube 5: Other
134	BIO14B6A	Char	30	BIO14B6A Tube 5:Specify Problem Processing
135	BIO14C	Num	8	BIO14C Tube 5: Number of aliquots
136	BIO14D	Num	8	BIO14D Tube 5: Volume in last four aliquots
137	BIO14E	Num	8	BIO14E Tube 5: Freezer box number
138	BIO14F	Char	5	BIO14F Tube 5: Time aliquots placed in freezer
139	BIO14F_AMPM	Char	1	BIO14F_AMPM Tube 5:Freezer AM/PM
140	BIO15A	Char	5	BIO15A Tube 6: Time processed
141	BIO15A_AMPM	Char	1	BIO15A_AMPM Tube 6:Processed AM/PM
142	BIO15B	Char	1	BIO15B Tube 6: Problems processing?
143	BIO15B1	Num	8	BIO15B1 Tube 6: Broken tube
144	BIO15B2	Num	8	BIO15B2 Tube 6: Sample re-centrifuged
145	BIO15B3	Num	8	BIO15B3 Tube 6: Clotted
146	BIO15B4	Num	8	BIO15B4 Tube 6: Hemolyzed
147	BIO15B5	Num	8	BIO15B5 Tube 6: Lipemic
148	BIO15B6	Num	8	BIO15B6 Tube 6: Other
149	BIO15C	Num	8	BIO15C Tube 6: Number of aliquots
150	BIO15D	Num	8	BIO15D Tube 6: Volume in last four aliquots
151	BIO15E	Num	8	BIO15E Tube 6: Freezer box number
152	BIO15F	Char	5	BIO15F Tube 6: Time aliquots placed in freezer
153	BIO15F_AMPM	Char	1	BIO15F_AMPM Tube 6:Freezer AM/PM
154	BIO16A	Char	5	BIO16A Tube 7: Time sent to clinical center lab:

Num	Variable	Type	Len	Label
155	BIO16A_AMPM	Char	1	BIO16A_AMPM Tube 7: Sent to clinical lab AM/PM
156	BIO17A	Char	5	BIO17A Tube 8: Time processed
157	BIO17A_AMPM	Char	1	BIO17A_AMPM Tube 8:Processed AM/PM
158	BIO17B	Char	1	BIO17B Tube 8: Problems processing?
159	BIO17B1	Num	8	BIO17B1 Tube 8: Broken tube
160	BIO17B2	Num	8	BIO17B2 Tube 8: Sample re-centrifuged
161	BIO17B3	Num	8	BIO17B3 Tube 8: Clotted
162	BIO17B4	Num	8	BIO17B4 Tube 8: Hemolyzed
163	BIO17B5	Num	8	BIO17B5 Tube 8: Lipemic
164	BIO17B6	Num	8	BIO17B6 Tube 8: Other
165	BIO17B6A	Char	30	BIO17B6A Tube 8:Specify Problem Processing
166	BIO17C	Num	8	BIO17C Tube 8: Number of aliquots
167	BIO17D	Num	8	BIO17D Tube 8: Volume in last four aliquots
168	BIO17E	Num	8	BIO17E Tube 8: Freezer box number
169	BIO17F	Char	5	BIO17F Tube 8: Time aliquots placed in freezer
170	BIO17F_AMPM	Char	1	BIO17F_AMPM Tube 8:Freezer AM/PM
171	BIO18B	Char	5	BIO18B Tube 9: Time placed in freezer
172	BIO18B_AMPM	Char	1	BIO18B_AMPM Tube 9:Freezer AM/PM
173	BIO18C	Char	1	BIO18C Tube 9: Problems processing?
174	BIO18C1	Num	8	BIO18C1 Tube 9: Broken tube
175	BIO18C2	Num	8	BIO18C2 Tube 9: Sample re-centrifuged
176	BIO18C3	Num	8	BIO18C3 Tube 9: Clotted
177	BIO18C4	Num	8	BIO18C4 Tube 9: Hemolyzed
178	BIO18C5	Num	8	BIO18C5 Tube 9: Lipemic
179	BIO18C6	Num	8	BIO18C6 Tube 9: Other
180	BIO18C6A	Char	30	BIO18C6A Tube 9:Specify Problem Processing
181	BIO18D	Num	8	BIO18D Tube 9: Freezer box number
182	BIO19	Char	1	BIO19 Urine sample collected
183	BIO21	Char	5	BIO21 Time urine sample collected
184	BIO21_AMPM	Char	1	BIO21_AMPM urine sample collected AM/PM
185	BIO22	Char	5	BIO22 Time urine sample processed
186	BIO22_AMPM	Char	1	BIO22 AMPM urine sample processed AM/PM
187	BIO23	Num	8	BIO23 Number of aliquots with preservative:
188	BIO24	Num	8	BIO24 Number of aliquots without preservative:
189	BIO25	Char	1	BIO25 Able to become pregnant?
190	BIO26	Char	1	BIO26 Pregnancy test requested?
191	BIO26A	Char	1	BIO26A Pregnant?
192	BIO24A	Char	5	BIO24A Time urine sample entered freezer
193	BIO24A_AMPM	Char	1	BIO24A_AMPM

Num	Variable	Type	Len	Label
194	VERSION	Char	21	
195	BIO0A_DAYS	Num	8	Form Date - Days from enrollment
196	BIO03_DAYS	Num	8	BIO03 Date of blood collection - Days from enrollment
197	BIO18A_DAYS	Num	8	BIO18A Tube 9: Date placed in freezer - Days from enrollment
198	BIO20_DAYS	Num	8	BIO20 Date of urine sample: - Days from enrollment

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Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	VISIT
4	BMH01	Char	1	BMH01 Recent hospitalizations
5	BMH01C	Char	2000	BMH01C Describe Hosp 3
6	BMH01D	Char	2000	BMH01D Describe Hosp 4
7	BMH01E	Char	2000	BMH01E Describe Hosp 5
8	BMH01F	Char	2000	BMH01F Describe Hosp 6
9	BMH01G	Char	2000	BMH01G Describe Hosp 7
10	BMH02	Char	1	BMH02 Recent emergency care visit
11	BMH02D	Char	2000	BMH02D Describe Emergency Visit 4
12	BMH02E	Char	2000	BMH02E Describe Emergency Visit 5
13	BMH02F	Char	2000	BMH02F Describe Emergency Visit 6
14	BMH02G	Char	2000	BMH02G Describe Emergency Visit 7
15	BMH02H	Char	2000	BMH02H Describe Emergency Visit 8
16	BMH02I	Char	2000	BMH02I Describe Emergency Visit 9
17	BMH02J	Char	2000	BMH02J Describe Emergency Visit 10
18	BMH03	Char	1	BMH03 Any surgeries?
19	BMH04	Char	1	BMH04 Yearly flu shot
20	BMH05	Char	1	BMH05 Date of most recent pneumoia vaccine
21	BMH06	Char	1	BMH06 Alpha-1 anti-trypsin deficiency
22	BMH07A	Char	1	BMH07A Vision problems
23	BMH07B	Char	1	BMH07B Hearing problems
24	BMH07C	Char	1	BMH07C Dizziness
25	BMH07D	Char	1	BMH07D Ears ringing
26	BMH07E	Char	1	BMH07E Sinusitis / Rhinitis
27	BMH07F	Char	1	BMH07F Other
28	BMH08A	Char	1	BMH08A High blood pressure
29	BMH08B	Char	1	BMH08B Coronary artery disease
30	BMH08C	Char	1	BMH08C Angina
31	BMH08D	Char	1	BMH08D Heart attack
32	BMH08E	Char	1	BMH08E Murmur
33	BMH08F	Char	1	BMH08F Palpitations/irregular heartbeat
34	BMH08G	Char	1	BMH08G Valve disease
35	BMH08H	Char	1	BMH08H Congestive heart failure
36	BMH08I	Char	1	BMH08I Blood clots
37	BMH08J	Char	1	BMH08J Poor circulation/claudication

Num	Variable	Type	Len	Label
38	BMH08K	Char	1	BMH08K Other
39	BMH09A	Char	1	BMH09A Esophageal condition or disease
40	BMH09B	Char	1	BMH09B Ulcers
41	BMH09C	Char	1	BMH09C Hepatitis or jaundice
42	BMH09D	Char	1	BMH09D Crohn's disease or colitis
43	BMH09E	Char	1	BMH09E Gallstones
44	BMH09F	Char	1	BMH09F Cirrhosis
45	BMH09G	Char	1	BMH09G GERD/heart burn
46	BMH09H	Char	1	BMH09H Hiatal hernia
47	BMH09I	Char	1	BMH09I Other
48	BMH10A	Char	1	BMH10A Intubation or respirator
49	BMH10B	Char	1	BMH10B Pneumothorax/collapsed lung
50	BMH10C	Char	1	BMH10C Tuberculosis
51	BMH10D	Char	1	BMH10D Pulmonary fibrosis
52	BMH10D1	Char	75	BMH10D1 Explain: Pulmonary fibrosis
53	BMH10E	Char	1	BMH10E Lung nodules
54	BMH10F	Char	1	BMH10F Pulmonary embolism
55	BMH10G	Char	1	BMH10G Other
56	BMH11A	Char	1	BMH11A Cancer except basal cell skin cancer
57	BMH11B	Char	1	BMH11B Anemia
58	BMH11C	Char	1	BMH11C Other
59	BMH12A	Char	1	BMH12A Menstrual symptoms
60	BMH12B	Char	1	BMH12B Enlarged prostate or BPH
61	BMH12C	Char	1	BMH12C Bladder or kidney problems/kidney stones
62	BMH12D	Char	1	BMH12D Other
63	BMH13A	Char	1	BMH13A Diabetes
64	BMH13B	Char	1	BMH13B Thyroid
65	BMH13C	Char	1	BMH13C Other
66	BMH14A	Char	1	BMH14A Stroke
67	BMH14B	Char	1	BMH14B Headaches
68	BMH14C	Char	1	BMH14C Seizure
69	BMH14D	Char	1	BMH14D Other
70	BMH15A	Char	1	BMH15A Rheumatoid arthritis
71	BMH15B	Char	1	BMH15B Gout
72	BMH15C	Char	1	BMH15C Osteoporosis
73	BMH15D	Char	1	BMH15D Fractures
74	BMH15E	Char	1	BMH15E Joint pain
75	BMH15F	Char	1	BMH15F Osteoarthritis
76	BMH15G	Char	1	BMH15G Other

Num	Variable	Type	Len	Label
77	BMH16A	Char	1	BMH16A Rashes/hives/eczema
78	BMH16B	Char	1	BMH16B Psoriasis
79	BMH16C	Char	1	BMH16C Shingles
80	BMH16D	Char	1	BMH16D Other
81	BMH17A	Char	1	BMH17A Atypical mycobacteria/MAC/MAI
82	BMH17B	Char	1	BMH17B Fungal disease
83	BMH17C	Char	1	BMH17C Other
84	BMH18A	Char	1	BMH18A Anxiety
85	BMH18B	Char	1	BMH18B Depression
86	BMH18C	Char	1	BMH18C Other
87	BMH19	Char	1	BMH19 Other significant problems
88	BMH20A	Char	1	BMH20A Fever/ cold/flu/ sore throat in the last two weeks
89	BMH20B	Char	1	BMH20B UTI in the last two weeks
90	BMH20C	Char	1	BMH20C Seasonal allergies in the last two weeks
91	BMH20D	Char	1	BMH20D Sinus infection/sinusitis in the last two weeks
92	BMH20E	Char	1	BMH20E Tooth infection in the last two weeks
93	BMH20F	Char	1	BMH20F Flare up of gout in the last two weeks
94	BMH20G	Char	1	BMH20G Flare up of arthritis in the last two weeks
95	BMH20H	Char	1	BMH20H Other illness in the last two weeks
96	BMH21	Char	1	BMH21 Allergies to medication/substances
97	BMH21A	Char	50	BMH21A Allergy 1
98	BMH21A1	Char	50	BMH21A1 Reaction 1
99	BMH21B	Char	50	BMH21B Allergy 2
100	BMH21B1	Char	50	BMH21B1 Reaction 2
101	BMH21C	Char	50	BMH21C Allergy 3
102	BMH21C1	Char	50	BMH21C1 Reaction 3
103	BMH21D	Char	50	BMH21D Allergy 4
104	BMH21D1	Char	50	BMH21D1 Reaction 4
105	BMH21E	Char	50	BMH21D Allergy 5
106	BMH21E1	Char	50	BMH21D1 Reaction 5
107	BMH22	Char	1	BMH22 Alcoholic beverages frequency
108	BMH23	Char	1	BMH23 Number of drinks per sitting
109	BMH24_1	Num	8	BMH24_1 Beer
110	BMH24_2	Num	8	BMH24_2 Wine
111	BMH24_3	Num	8	BMH24_3 Drinks containing liquor
112	BMH25	Char	1	BMH25 Frequency of 8+ drinks
113	BMH26	Char	1	BMH26 Frequency of memory lapse
114	BMH27	Char	1	BMH27 Frequency of failing expectations
115	BMH28	Char	1	BMH28 Concerns about alcohol consumption

Num	Variable	Type	Len	Label
116	BMH29	Num	8	BMH29 Age of starting monthly menstruation
117	BMH30	Char	1	BMH30 Reached menopause
118	BMH31	Num	8	BMH31 Age of reaching menopause
119	BMH32	Char	1	BMH32 Usage of oral contraceptive medications
120	BMH33	Num	8	BMH33 Years of oral contraceptive usage
121	BMH34	Char	1	BMH34 Usage of hormone replacement therapy?
122	BMH35	Num	8	BMH35 Years of hormone replacement therapy usage
123	BMH36	Char	1	BMH36 Any pregnancies
124	BMH37	Num	8	BMH37 Age at first pregnancy
125	BMH38	Num	8	BMH38 Number of pregnancies
126	BMH39	Char	1	BMH39 Breastfeeding
127	BMH40	Num	8	BMH40 Total months breastfeeding
128	BMH41	Char	1	BMH41 Ovary removal
129	BMH42	Char	1	BMH42 One or both ovaries removed
130	BMH43	Num	8	BMH43 Age of ovary removal
131	BMH03A1Y	Num	8	Year of Appx date:
132	BMH03B1Y	Num	8	Year of Appx date:
133	BMH03C1Y	Num	8	Year of Appx date:
134	BMH03D1Y	Num	8	Year of Appx date:
135	BMH03E1Y	Num	8	Year of Appx date:
136	BMH03F1Y	Num	8	Year of Appx date:
137	BMH03G1Y	Num	8	Year of Appx date:
138	BMH03H1Y	Num	8	Year of Appx date:
139	BMH03I1Y	Num	8	Year of Appx date:
140	BMH03J1Y	Num	8	Year of Appx date:
141	BMH04AY	Num	8	Year of a) When was your most recent influenza vaccination? (month/year)
142	BMH04B	Char	1	4b) Did you get an influenza vaccination (flu shot) in the last 12 months?
143	BMH10H	Char	1	h) Wedge resection
144	VERSION	Char	21	VERSION
145	BMH0A_DAYS	Num	8	BMH0A Form Date - Days from enrollment
146	BMH01A1_DAYS	Num	8	BMH01A1 Approximate date Hosp 1 - Days from enrollment
147	BMH01B1_DAYS	Num	8	BMH01B1 Approximate date Hosp 2 - Days from enrollment
148	BMH01C1_DAYS	Num	8	BMH01C1 Approximate date Hosp 3 - Days from enrollment
149	BMH01D1_DAYS	Num	8	BMH01D1 Approximate date Hosp 4 - Days from enrollment
150	BMH01E1_DAYS	Num	8	BMH01E1 Approximate date Hosp 5 - Days from enrollment
151	BMH01G1_DAYS	Num	8	BMH01G1 Approximate date Hosp 7 - Days from enrollment
152	BMH02A1_DAYS	Num	8	BMH02A1 Approximate date Emergency Visit 1 - Days from enrollment
153	BMH02B1_DAYS	Num	8	BMH02B1 Approximate date Emergency Visit 2 - Days from enrollment
154	BMH02C1_DAYS	Num	8	BMH02C1 Approximate date Emergency Visit 3 - Days from enrollment

Num	Variable	Type	Len	Label
155	BMH02D1_DAYS	Num	8	BMH02D1 Approximate date Emergency Visit 4 - Days from enrollment
156	BMH02E1_DAYS	Num	8	BMH02E1 Approximate date Emergency Visit 5 - Days from enrollment
157	BMH02F1_DAYS	Num	8	BMH02F1 Approximate date Emergency Visit 6 - Days from enrollment

Data Set Name: v1_bpf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BPF01	Char	1	BPF01 Right arm blood pressure
5	BPF01A	Char	2000	BPF01A Explain if left arm used
6	BPF02	Num	8	BPF02 Arm circumference
7	BPF03	Char	1	BPF03 Cuff size
8	BPF04	Num	8	BPF04 Respiration Rate
9	BPF05	Char	5	BPF05 Time first blood pressure taken
10	BPF05_AMPM	Char	1	BPF05_AMPM first bp measurement AM/PM
11	BPF05A	Num	8	BPF05A First Systolic
12	BPF05B	Num	8	BPF05B First Diastolic
13	BPF05C	Num	8	BPF05C First Heart Rate
14	BPF06	Char	5	BPF06 Time second blood pressure taken:
15	BPF06_AMPM	Char	1	BPF06_AMPM second BP measurement AM/PM
16	BPF06A	Num	8	BPF05A Second Systolic
17	BPF06B	Num	8	BPF05B Second Diastolic
18	BPF06C	Num	8	BPF05C Second Heart Rate
19	BPF07	Char	5	BPF07 Time third blood pressure taken:
20	BPF07_AMPM	Char	1	BPF07_AMPM third BP measurement AM/PM
21	BPF07A	Num	8	BPF05A Third Systolic
22	BPF07B	Num	8	BPF05B Third Diastolic
23	BPF07C	Num	8	BPF05C Third Heart Rate
24	BPF08A	Num	8	BPF08A Average Systolic
25	BPF08B	Num	8	BPF08B Average Diastolic
26	BPF08C	Num	8	BPF08C Average Heart Rate
27	VERSION	Char	21	Version
28	BPF0A_DAYS	Num	8	BPF0A Form Date - Days from enrollment

Data Set Name: v1_bsq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BSQ01	Char	1	BSQ01 Snore
5	BSQ02	Num	8	BSQ02 Describe snore
6	BSQ03	Num	8	BSQ03 Snoring frequency
7	BSQ04	Char	1	BSQ04 Bothersome snoring
8	BSQ05	Num	8	BSQ05 Breathing during sleep
9	BSQ06	Char	1	BSQ06 Fatigue after sleep
10	BSQ07	Char	1	BSQ07 Fatigue during waking time
11	BSQ08	Char	1	BSQ08 Fatigue while driving
12	BSQ09	Char	1	BSQ09 Frequency of fatigue while driving
13	BSQ10	Char	1	BSQ10 High blood pressure
14	VERSION	Char	21	Version
15	BSQ_APNEARISK01	Char	5	Baseline Berlin Sleep apnea risk
16	BSQ0A_DAYS	Num	8	FORM Date - Days from enrollment

Data Set Name: v1_cat_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	CAT01	Char	1	CAT01 Never cough
5	CAT02	Char	1	CAT02 No phlegm
6	CAT03	Char	1	CAT03 No chest tightness
7	CAT04	Char	1	CAT04 Not out of breath
8	CAT05	Char	1	CAT05 Not limited at home
9	CAT06	Char	1	CAT06 Confidence leaving home
10	CAT07	Char	1	CAT07 Sound sleeping
11	CAT08	Char	1	CAT08 Energy level
12	VERSION	Char	21	Version
13	CAT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_ct_airtlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	
3	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
4	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
5	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
6	AIRWAY_ISSUE	Char	13	Denotes whether or not there was any issue detected when analyzing the airway
7	ANALYSIS_STATUS	Char	12	Denotes analysis status of scan (Passed, problem, or rejected)
8	ANATOMICALNAME	Char	25	The anatomical name of the segment
9	NUMBER_OF_AVG_POINTS	Num	8	The number of measurement points that were used to compute the average measurements in this tree (the number of measurement points in the middle 1/3 of the segment)
10	RB1_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the RB1 path (1=Yes, 0=No)
11	RB4_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the RB4 path (1=Yes, 0=No)
12	RB10_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the RB10 path (1=Yes, 0=No)
13	LB1_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the LB1 path (1=Yes, 0=No)
14	LB10_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the LB10 path (1=Yes, 0=No)
15	GENERATION	Num	8	Generation number of the segment.
16	SEGMENTALGENERATION	Num	8	Segmental branches are defined as generation 3. Distal airways are assigned an incremental number from the segmental branch. Branches before segmental are assigned -1.
17	LOBE	Char	3	Lobe number identifying which lung lobe the segment belongs to.
18	SUBLOBE	Char	4	Defines the sub-lobe the airway is located in.
19	AIRWAY_ID	Num	8	Internal database ID for airway or segment record (serial number and guaranteed to be unique)
20	PARENT_ID	Num	8	The ID of the parent segment
21	DIRCOSX	Num	8	x-component of direction cosine.
22	DIRCOSY	Num	8	y-component of direction cosine.
23	DIRCOSZ	Num	8	z-component of direction cosine.
24	ANGLE	Num	8	Angle between a segment and its parent segment (identified by startbpid).
25	CENTERLINELENGTH	Num	8	Measured between parent-branchpoint and child-branchpoint. The center line length represents the true path length, i.e. it follows the curvature of the segment.
26	AVGMINORINNERDIAM	Num	8	The smallest inner (lumen) diameter is measured at each centerline voxel position. The average minor inner diameter represents the average of these measurements along the middle 1/3 of the segment.

Num	Variable	Type	Len	Label
27	AVGMAJORINNERDIAM	Num	8	The greatest inner (lumen) diameter is measured at each centerline-voxel position. The average major inner diameter represents the average of these measurements along the middle 1/3 of the segment.
28	AVGINNERAREA	Num	8	The lumen area is measured at each centerline voxel position. The average inner (lumen) area represents the average of these measurements along the middle 1/3 of the segment.
29	AVGAVGWALLTHICKNESS	Num	8	At every centerline voxel position the wall thickness at every every half-degree, for total of 720 measurements. These average values are averaged along the middle 1/3 of the airway segment to obtain the Average Average Wall Thickness.
30	AVGMINOROUTERDIAM	Num	8	The smallest outer diameter ismeasured at each centerline voxel position. The average minor outer diameter represents the average of these measurements along the middle 1/3 of the segment.
31	AVGMAJOROUTERDIAM	Num	8	The greatest outer diameter is measured at each centerline voxel position. The average major outer diameter represents the average of these measurements along the middle 1/3 of the segment.
32	AVGOUTERAREA	Num	8	The area enclosed by the outer airway border is measured at each centerline voxel position. The average outer area represents the average of these measurements along the middle 1/3 of the segment.
33	WALL_AREA	Num	8	Wall area (avgouterarea - avginnerarea)
34	WALL_AREA_PERC	Num	8	Wall area % ((avgouterarea - avginnerarea)/avgouterarea)
35	AVGINNERPERIMETER	Num	8	At every centerline voxel position along the middle 1/3 of the airway segment the inner perimeter is measured. These measurements are then averaged into Average Inner Perimeter.
36	AVGOUTERPERIMETER	Num	8	At every centerline voxel position along the middle 1/3 of the airway segment the Average Outer Perimeter measurement. These measurements are then averaged into Average Outer Perimeter.
37	AVGWALLAREAFRACTION	Num	8	At every centerline voxel position along the middle 1/3 of the airway segment the wall area fraction is determined. These measurements are then averaged into Average Wall Area Fraction.
38	MINORINNERDIAM_30	Num	8	The smallest lumen diameter at the 30% point within the segment.
39	MAJORINNERDIAM_30	Num	8	The largest lumen diameter at the 30% point within the segment.
40	INNERCROSSSECAREA_30	Num	8	The lumen area at the 30% point within the segment.
41	MINOROUTERDIAM_30	Num	8	The smallest diameter measured at the outer airway wall at the 30% point within the segment.
42	MAJOROUTERDIAM_30	Num	8	The largest diameter measured at the outer airway wall at the 30% point within the segment.
43	OUTERCROSSSECAREA_30	Num	8	The area enclosed by the outer airway wall at the 30% point within the segment.
44	AVGWALLTHICKNESS_30	Num	8	The average wall thickness at the 30% point within the segment.
45	INNERPERIMETER_30	Num	8	The lumen perimeter at the 30% point within the segment.
46	OUTERPERIMETER_30	Num	8	The perimeter of the outer airway wall at the 30% point within the segment.
47	MINORINNERDIAM_40	Num	8	The smallest lumen diameter at the 40% point within the segment.
48	MAJORINNERDIAM_40	Num	8	The largest lumen diameter at the 40% point within the segment.
49	INNERCROSSSECAREA_40	Num	8	The lumen area at the 40% point within the segment.
50	MINOROUTERDIAM_40	Num	8	The smallest diameter measured at the outer airway wall at the 40% point within the segment.

Num	Variable	Type	Len	Label
51	MAJOROUTERDIAM_40	Num	8	The largest diameter measured at the outer airway wall at the 40% point within the segment.
52	OUTERCROSSSECAREA_40	Num	8	The area enclosed by the outer airway wall at the 40% point within the segment.
53	AVGWALLTHICKNESS_40	Num	8	The average wall thickness at the 40% point within the segment.
54	INNERPERIMETER_40	Num	8	The lumen perimeter at the 40% point within the segment.
55	OUTERPERIMETER_40	Num	8	The perimeter of the outer airway wall at the 40% point within the segment.
56	MINORINNERDIAM_50	Num	8	The smallest lumen diameter at the 50% point within the segment.
57	MAJORINNERDIAM_50	Num	8	The largest lumen diameter at the 50% point within the segment.
58	INNERCROSSSECAREA_50	Num	8	The lumen area at the 50% point within the segment.
59	MINOROUTERDIAM_50	Num	8	The smallest diameter measured at the outer airway wall at the 50% point within the segment.
60	MAJOROUTERDIAM_50	Num	8	The largest diameter measured at the outer airway wall at the 50% point within the segment.
61	OUTERCROSSSECAREA_50	Num	8	The area enclosed by the outer airway wall at the 50% point within the segment.
62	AVGWALLTHICKNESS_50	Num	8	The average wall thickness at the 50% point within the segment.
63	INNERPERIMETER_50	Num	8	The lumen perimeter at the 50% point within the segment.
64	OUTERPERIMETER_50	Num	8	The perimeter of the outer airway wall at the 50% point within the segment.
65	MINORINNERDIAM_60	Num	8	The smallest lumen diameter at the 60% point within the segment.
66	MAJORINNERDIAM_60	Num	8	The largest lumen diameter at the 60% point within the segment.
67	INNERCROSSSECAREA_60	Num	8	The lumen area at the 60% point within the segment.
68	MINOROUTERDIAM_60	Num	8	The smallest diameter measured at the outer airway wall at the 60% point within the segment.
69	MAJOROUTERDIAM_60	Num	8	The largest diameter measured at the outer airway wall at the 60% point within the segment.
70	OUTERCROSSSECAREA_60	Num	8	The area enclosed by the outer airway wall at the 60% point within the segment.
71	AVGWALLTHICKNESS_60	Num	8	The average wall thickness at the 60% point within the segment.
72	INNERPERIMETER_60	Num	8	The lumen perimeter at the 60% point within the segment.
73	OUTERPERIMETER_60	Num	8	The perimeter of the outer airway wall at the 60% point within the segment.
74	MINORINNERDIAM_70	Num	8	The smallest lumen diameter at the 70% point within the segment.
75	MAJORINNERDIAM_70	Num	8	The largest lumen diameter at the 70% point within the segment.
76	INNERCROSSSECAREA_70	Num	8	The lumen area at the 70% point within the segment.
77	MINOROUTERDIAM_70	Num	8	The smallest diameter measured at the outer airway wall at the 70% point within the segment.
78	MAJOROUTERDIAM_70	Num	8	The largest diameter measured at the outer airway wall at the 70% point within the segment.
79	OUTERCROSSSECAREA_70	Num	8	The area enclosed by the outer airway wall at the 70% point within the segment.
80	AVGWALLTHICKNESS_70	Num	8	The average wall thickness at the 70% point within the segment.
81	INNERPERIMETER_70	Num	8	The lumen perimeter at the 70% point within the segment.
82	OUTERPERIMETER_70	Num	8	The perimeter of the outer airway wall at the 70% point within the segment.

Num	Variable	Type	Len	Label
83	INEQCIRDIA_50	Num	8	innerequivalentcirclediameter_50
84	STDDEVINNERAREA	Num	8	Standard deviation of the inner area measurements along the middle 1/3 of the segment.
85	STDDEVOUTERAREA	Num	8	Standard deviation of the Outer Area measurements along the middle 1/3 of the airway segment.
86	TAPER_RATIO	Num	8	Tapering ratio (comparing lumen area or diameter at 30% and 70% distances along a segment)
87	ASPECT_RATIO	Num	8	Aspect ratio calculated by float(float(float(i['centerLineLength'])/ (float(float(i['avgMajorInnerDiam'])+ float(i['avgMinorInnerDiam']))/2)))
88	AVGINNERAREA_ECCENTRICITY	Num	8	Calculated by float(float(i['avgMinorInnerDiam']) / float(i['avgMajorInnerDiam']))
89	CENTERPOINT_X	Num	8	The x-component of the respective center-line voxel coordinate. If the value is in integers then the unit is voxels, if the value is in floating point numbers then the unit is millimeters
90	CENTERPOINT_Y	Num	8	The y-component of the respective center-line voxel coordinate. If the value is in integers then the unit is voxels, if the value is in floating point numbers then the unit is millimeters
91	CENTERPOINT_Z	Num	8	The z-component of the respective center-line voxel coordinate. If the value is in integers then the unit is voxels, if the value is in floating point numbers then the unit is millimeters
92	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
93	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v1_ct_corepeelrv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	study visit
3	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime at residual volume (RV)
4	SERIES_NAME	Char	25	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime at residual volume (RV)
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	VXSIZE	Num	8	volume of a voxel in cubic millimeters
10	B_TOT_VX	Num	8	Total number of voxels in both lungs at residual volume (RV)
11	B_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for both lungs at residual volume (RV)
12	B_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for both lungs at residual volume (RV)
13	B_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for both lungs at residual volume (RV)
14	B_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for both lungs at residual volume (RV)
15	B_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for both lungs at residual volume (RV)
16	B_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for both lungs at residual volume (RV)
17	B_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for both lungs at residual volume (RV)
18	B_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for both lungs at residual volume (RV)
19	B_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for both lungs at residual volume (RV)
20	B_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for both lungs at residual volume (RV)
21	B_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for both lungs at residual volume (RV)
22	B_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for both lungs at residual volume (RV)
23	B_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for both lungs at residual volume (RV)
24	B_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for both lungs at residual volume (RV)
25	B_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for both lungs at residual volume (RV)
26	B_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
27	B_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for both lungs at residual volume (RV)
28	B_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for both lungs at residual volume (RV)
29	B_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for both lungs at residual volume (RV)
30	B_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for both lungs at residual volume (RV)
31	B_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for both lungs at residual volume (RV)
32	B_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for both lungs at residual volume (RV)
33	B_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for both lungs at residual volume (RV)
34	B_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for both lungs at residual volume (RV)
35	B_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for both lungs at residual volume (RV)
36	B_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for both lungs at residual volume (RV)
37	B_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for both lungs at residual volume (RV)
38	B_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for both lungs at residual volume (RV)
39	B_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for both lungs at residual volume (RV)
40	B_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for both lungs at residual volume (RV)
41	B_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for both lungs at residual volume (RV)
42	B_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for both lungs at residual volume (RV)
43	B_MEAN	Num	8	Average pixel values within both lungs (HU) at residual volume (RV)
44	B_MED	Num	8	Median pixel values within both lungs (HU) at residual volume (RV)
45	B_VAR	Num	8	Variance of pixel values within both lungs at residual volume (RV)
46	B_SD	Num	8	Standard deviation of pixel values within both lungs at residual volume (RV)
47	B_SKEW	Num	8	Skewness of pixel values in both lungs at residual volume (RV)
48	B_KURT	Num	8	Kurtosis of pixel values in both lungs at residual volume (RV)
49	B_FWHM	Num	8	Full width, half max (HU) for both lungs at residual volume (RV)
50	B_AIR_V	Num	8	Total volume of air in both lungs (milliliters) at residual volume (RV)
51	B_TIS_V	Num	8	Total volume of tissue in both lungs (ml) at residual volume (RV)
52	B_TOT_V	Num	8	Total volume of both lungs (ml) at residual volume (RV)
53	B_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for both lungs at residual volume (RV)
54	B_A_SLP	Num	8	The slope of the line at the ankle for both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
55	B_A_INT	Num	8	The interecept of the line at the ankle for both lungs at residual volume (RV)
56	B_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for both lungs at residual volume (RV)
57	B_K_SLP	Num	8	The slope of the line at the knee for both lungs at residual volume (RV)
58	B_K_INT	Num	8	The intercept of the line at the knee for both lungs at residual volume (RV)
59	B_C_CUTOFF_HU	Num	8	Both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema
60	B_C_V_M	Num	8	Mean length of vectors drawn from the centroid of both lungs to emphysema voxels at residual volume (RV)
61	B_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of both lungs to emphysema voxels. at residual volume (RV)
62	B_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of both lungs to emphysema voxels. at residual volume (RV)
63	B_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at residual volume (RV)
64	B_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of both lungs to emphysema voxels at residual volume (RV)
65	B_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at residual volume (RV)
66	B_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of both lungs to emphysema voxels at residual volume (RV)
67	B_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at residual volume (RV)
68	B_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for both lungs at residual volume (RV)
69	B_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for both lungs at residual volume (RV)
70	B_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for both lungs at residual volume (RV)
71	B_VESSEL_VX	Num	8	Total number of vessel voxels in both lungs at residual volume (RV)
72	B_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for both lungs at residual volume (RV)
73	BC_TOT_VX	Num	8	Total number of voxels in core region of both lungs at residual volume (RV)
74	BC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for core section of both lungs at residual volume (RV)
75	BC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of both lungs at residual volume (RV)
76	BC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of both lungs at residual volume (RV)
77	BC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for core section of both lungs at residual volume (RV)
78	BC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for core section of both lungs at residual volume (RV)
79	BC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for core section of both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
80	BC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for core section of both lungs at residual volume (RV)
81	BC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for core section of both lungs at residual volume (RV)
82	BC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for core section of both lungs at residual volume (RV)
83	BC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for core section of both lungs at residual volume (RV)
84	BC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for core section of both lungs at residual volume (RV)
85	BC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for core section of both lungs at residual volume (RV)
86	BC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for core section of both lungs at residual volume (RV)
87	BC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for core section of both lungs at residual volume (RV)
88	BC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for core section of both lungs at residual volume (RV)
89	BC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for core section of both lungs at residual volume (RV)
90	BC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for core section of both lungs at residual volume (RV)
91	BC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for core section of both lungs at residual volume (RV)
92	BC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for core section of both lungs at residual volume (RV)
93	BC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for core section of both lungs at residual volume (RV)
94	BC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for core section of both lungs at residual volume (RV)
95	BC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for core section of both lungs at residual volume (RV)
96	BC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for core section of both lungs at residual volume (RV)
97	BC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for core section of both lungs at residual volume (RV)
98	BC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for core section of both lungs at residual volume (RV)
99	BC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for core section of both lungs at residual volume (RV)
100	BC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for core section of both lungs at residual volume (RV)
101	BC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for core section of both lungs at residual volume (RV)
102	BC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for core section of both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
103	BC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for core section of both lungs at residual volume (RV)
104	BC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for core section of both lungs at residual volume (RV)
105	BC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for core section of both lungs at residual volume (RV)
106	BC_MEAN	Num	8	Average pixel values within core section of both lungs (HU) at residual volume (RV)
107	BC_MED	Num	8	Median pixel values within core region of both lungs (HU) at residual volume (RV)
108	BC_VAR	Num	8	Variance of pixel values within core region of both lungs at residual volume (RV)
109	BC_SD	Num	8	Standard deviation of pixel values within core region of both lungs at residual volume (RV)
110	BC_SKEW	Num	8	Skewness of pixel values in core region of both lungs at residual volume (RV)
111	BC_KURT	Num	8	Kurtosis of pixel values in core section of both lungs at residual volume (RV)
112	BC_FWHM	Num	8	Full width, half max (HU) for core section of both lungs at residual volume (RV)
113	BC_AIR_V	Num	8	Total volume of air in core section of both lungs (milliliters) at residual volume (RV)
114	BC_TIS_V	Num	8	Total volume of tissue in core region of both lungs (ml) at residual volume (RV)
115	BC_TOT_V	Num	8	Total volume of core region of both lungs (ml) at residual volume (RV)
116	BC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of both lungs at residual volume (RV)
117	BC_A_SLP	Num	8	The slope of the line at the ankle for core section of both lungs at residual volume (RV)
118	BC_A_INT	Num	8	The interecept of the line at the ankle for core section of both lungs at residual volume (RV)
119	BC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of both lungs at residual volume (RV)
120	BC_K_SLP	Num	8	The slope of the line at the knee for core section of both lungs at residual volume (RV)
121	BC_K_INT	Num	8	The intercept of the line at the knee for core section of both lungs at residual volume (RV)
122	BC_C_CUTOFF_HU	Num	8	Core section of both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema
123	BC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
124	BC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of the core section of both lungs to emphysema voxels. at residual volume (RV)
125	BC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels. at residual volume (RV)
126	BC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
127	BC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
128	BC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
129	BC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
130	BC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
131	BC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for core section of both lungs at residual volume (RV)
132	BC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for core section of both lungs at residual volume (RV)
133	BC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for core section of both lungs at residual volume (RV)
134	BC_VESSEL_VX	Num	8	Total number of vessel voxels in core region of both lungs at residual volume (RV)
135	BC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for core region of both lungs at residual volume (RV)
136	BP_TOT_VX	Num	8	Total number of voxels in peel region of both lungs at residual volume (RV)
137	BP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for peel section of both lungs at residual volume (RV)
138	BP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of both lungs at residual volume (RV)
139	BP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of both lungs at residual volume (RV)
140	BP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for peel section of both lungs at residual volume (RV)
141	BP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for peel section of both lungs at residual volume (RV)
142	BP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for peel section of both lungs at residual volume (RV)
143	BP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for peel section of both lungs at residual volume (RV)
144	BP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for peel section of both lungs at residual volume (RV)
145	BP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for peel section of both lungs at residual volume (RV)
146	BP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for peel section of both lungs at residual volume (RV)
147	BP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for peel section of both lungs at residual volume (RV)
148	BP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for peel section of both lungs at residual volume (RV)
149	BP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for peel section of both lungs at residual volume (RV)
150	BP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for peel section of both lungs at residual volume (RV)
151	BP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for peel section of both lungs at residual volume (RV)
152	BP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for peel section of both lungs at residual volume (RV)
153	BP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for peel section of both lungs at residual volume (RV)
154	BP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for peel section of both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
155	BP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for peel section of both lungs at residual volume (RV)
156	BP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for peel section of both lungs at residual volume (RV)
157	BP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for peel section of both lungs at residual volume (RV)
158	BP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for peel section of both lungs at residual volume (RV)
159	BP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for peel section of both lungs at residual volume (RV)
160	BP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for peel section of both lungs at residual volume (RV)
161	BP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for peel section of both lungs at residual volume (RV)
162	BP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for peel section of both lungs at residual volume (RV)
163	BP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for peel section of both lungs at residual volume (RV)
164	BP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for peel section of both lungs at residual volume (RV)
165	BP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for peel section of both lungs at residual volume (RV)
166	BP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for peel section of both lungs at residual volume (RV)
167	BP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for peel section of both lungs at residual volume (RV)
168	BP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for peel section of both lungs at residual volume (RV)
169	BP_MEAN	Num	8	Average pixel values within peel section of both lungs (HU) at residual volume (RV)
170	BP_MED	Num	8	Median pixel values within peel region of both lungs (HU) at residual volume (RV)
171	BP_VAR	Num	8	Variance of pixel values within peel region of both lungs at residual volume (RV)
172	BP_SD	Num	8	Standard deviation of pixel values within peel region of both lungs at residual volume (RV)
173	BP_SKEW	Num	8	Skewness of pixel values in peel region of both lungs at residual volume (RV)
174	BP_KURT	Num	8	Kurtosis of pixel values in peel section of both lungs at residual volume (RV)
175	BP_FWHM	Num	8	Full width, half max (HU) for peel section of both lungs at residual volume (RV)
176	BP_AIR_V	Num	8	Total volume of air in peel section of both lungs (milliliters) at residual volume (RV)
177	BP_TIS_V	Num	8	Total volume of tissue in peel region of both lungs (ml) at residual volume (RV)
178	BP_TOT_V	Num	8	Total volume of peel region of both lungs (ml) at residual volume (RV)
179	BP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of both lungs at residual volume (RV)
180	BP_A_SLP	Num	8	The slope of the line at the ankle for peel section of both lungs at residual volume (RV)
181	BP_A_INT	Num	8	The interecept of the line at the ankle for peel section of both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
182	BP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of both lungs at residual volume (RV)
183	BP_K_SLP	Num	8	The slope of the line at the knee for peel section of both lungs at residual volume (RV)
184	BP_K_INT	Num	8	The intercept of the line at the knee for peel section of both lungs at residual volume (RV)
185	BP_C_CUTOFF_HU	Num	8	Peel section of both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema at residual volume (RV)
186	BP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
187	BP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of the peel section of both lungs to emphysema voxels. at residual volume (RV)
188	BP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels. at residual volume (RV)
189	BP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
190	BP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
191	BP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
192	BP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
193	BP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
194	BP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for peel section of both lungs at residual volume (RV)
195	BP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for peel section of both lungs at residual volume (RV)
196	BP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for peel section of both lungs at residual volume (RV)
197	BP_VESSEL_VX	Num	8	Total number of vessel voxels in peel region of both lungs at residual volume (RV)
198	BP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for peel region of both lungs at residual volume (RV)
199	L_TOT_VX	Num	8	Total number of voxels in left lung at residual volume (RV)
200	L_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for left lung at residual volume (RV)
201	L_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for left lung at residual volume (RV)
202	L_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for left lung at residual volume (RV)
203	L_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for left lung at residual volume (RV)
204	L_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for left lung at residual volume (RV)
205	L_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for left lung at residual volume (RV)

Num	Variable	Type	Len	Label
206	L_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for left lung at residual volume (RV)
207	L_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for left lung at residual volume (RV)
208	L_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for left lung at residual volume (RV)
209	L_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for left lung at residual volume (RV)
210	L_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for left lung at residual volume (RV)
211	L_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for left lung at residual volume (RV)
212	L_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for left lung at residual volume (RV)
213	L_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for left lung at residual volume (RV)
214	L_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for left lung at residual volume (RV)
215	L_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for left lung at residual volume (RV)
216	L_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for left lung at residual volume (RV)
217	L_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for left lung at residual volume (RV)
218	L_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for left lung at residual volume (RV)
219	L_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for left lung at residual volume (RV)
220	L_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for left lung at residual volume (RV)
221	L_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for left lung at residual volume (RV)
222	L_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for left lung at residual volume (RV)
223	L_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for left lung at residual volume (RV)
224	L_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for left lung at residual volume (RV)
225	L_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for left lung at residual volume (RV)
226	L_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for left lung at residual volume (RV)
227	L_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for left lung at residual volume (RV)
228	L_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for left lung at residual volume (RV)

Num	Variable	Type	Len	Label
229	L_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for left lung at residual volume (RV)
230	L_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for left lung at residual volume (RV)
231	L_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for left lung at residual volume (RV)
232	L_MEAN	Num	8	Average pixel values within left lung (HU) at residual volume (RV)
233	L_MED	Num	8	Median pixel values within left lung (HU) at residual volume (RV)
234	L_VAR	Num	8	Variance of pixel values within left lung at residual volume (RV)
235	L_SD	Num	8	Standard deviation of pixel values within left lung at residual volume (RV)
236	L_SKEW	Num	8	Skewness of pixel values in left lung at residual volume (RV)
237	L_KURT	Num	8	Kurtosis of pixel values in left lung at residual volume (RV)
238	L_FWHM	Num	8	Full width, half max (HU) for left lung at residual volume (RV)
239	L_AIR_V	Num	8	Total volume of air in left lung (milliliters) at residual volume (RV)
240	L_TIS_V	Num	8	Total volume of tissue in left lung (ml) at residual volume (RV)
241	L_TOT_V	Num	8	Total volume of left lung (ml) at residual volume (RV)
242	L_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for left lung at residual volume (RV)
243	L_A_SLP	Num	8	The slope of the line at the ankle for left lung at residual volume (RV)
244	L_A_INT	Num	8	The interecept of the line at the ankle for left lung at residual volume (RV)
245	L_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for left lung at residual volume (RV)
246	L_K_SLP	Num	8	The slope of the line at the knee for left lung at residual volume (RV)
247	L_K_INT	Num	8	The intercept of the line at the knee for left lung at residual volume (RV)
248	L_C_CUTOFF_HU	Num	8	Left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
249	L_C_V_M	Num	8	Mean length of vectors drawn from the centroid of left lung to emphysema voxels at residual volume (RV)
250	L_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of left lung to emphysema voxels. at residual volume (RV)
251	L_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of left lung to emphysema voxels. at residual volume (RV)
252	L_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at residual volume (RV)
253	L_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of left lung to emphysema voxels at residual volume (RV)
254	L_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at residual volume (RV)
255	L_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of left lung to emphysema voxels at residual volume (RV)
256	L_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at residual volume (RV)
257	L_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for left lung at residual volume (RV)

Num	Variable	Type	Len	Label
258	L_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for left lung at residual volume (RV)
259	L_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for left lung at residual volume (RV)
260	L_VESSEL_VX	Num	8	Total number of vessel voxels in left lung at residual volume (RV)
261	L_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for left lung at residual volume (RV)
262	LC_TOT_VX	Num	8	Total number of voxels in core section of left lung at residual volume (RV)
263	LC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for core section of left lung at residual volume (RV)
264	LC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of left lung at residual volume (RV)
265	LC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of left lung at residual volume (RV)
266	LC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for core section of left lung at residual volume (RV)
267	LC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for core section of left lung at residual volume (RV)
268	LC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for core section of left lung at residual volume (RV)
269	LC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for core section of left lung at residual volume (RV)
270	LC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for core section of left lung at residual volume (RV)
271	LC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for core section of left lung at residual volume (RV)
272	LC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for core section of left lung at residual volume (RV)
273	LC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for core section of left lung at residual volume (RV)
274	LC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for core section of left lung at residual volume (RV)
275	LC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for core section of left lung at residual volume (RV)
276	LC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for core section of left lung at residual volume (RV)
277	LC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for core section of left lung at residual volume (RV)
278	LC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for core section of left lung at residual volume (RV)
279	LC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for core section of left lung at residual volume (RV)
280	LC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for core section of left lung at residual volume (RV)
281	LC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
282	LC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for core section of left lung at residual volume (RV)
283	LC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for core section of left lung at residual volume (RV)
284	LC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for core section of left lung at residual volume (RV)
285	LC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for core section of left lung at residual volume (RV)
286	LC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for core section of left lung at residual volume (RV)
287	LC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for core section of left lung at residual volume (RV)
288	LC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for core section of left lung at residual volume (RV)
289	LC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for core section of left lung at residual volume (RV)
290	LC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for core section of left lung at residual volume (RV)
291	LC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for core section of left lung at residual volume (RV)
292	LC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for core section of left lung at residual volume (RV)
293	LC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for core section of left lung at residual volume (RV)
294	LC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for core section of left lung at residual volume (RV)
295	LC_MEAN	Num	8	Average pixel values within core section of left lung (HU) at residual volume (RV)
296	LC_MED	Num	8	Median pixel values within of core section of left lung (HU) at residual volume (RV)
297	LC_VAR	Num	8	Variance of pixel values within core section of left lung at residual volume (RV)
298	LC_SD	Num	8	Standard deviation of pixel values within core section of left lung at residual volume (RV)
299	LC_SKEW	Num	8	Skewness of pixel values in core section of left lung at residual volume (RV)
300	LC_KURT	Num	8	Kurtosis of pixel values in core section of left lung at residual volume (RV)
301	LC_FWHM	Num	8	Full width, half max (HU) for core section of left lung at residual volume (RV)
302	LC_AIR_V	Num	8	Total volume of air in core section of left lung (milliliters) at residual volume (RV)
303	LC_TIS_V	Num	8	Total volume of tissue in core section of left lung (ml) at residual volume (RV)
304	LC_TOT_V	Num	8	Total volume of core section of left lung (ml) at residual volume (RV)
305	LC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of left lung at residual volume (RV)
306	LC_A_SLP	Num	8	The slope of the line at the ankle for core section of left lung at residual volume (RV)
307	LC_A_INT	Num	8	The interecept of the line at the ankle for core section of left lung at residual volume (RV)
308	LC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of left lung at residual volume (RV)
309	LC_K_SLP	Num	8	The slope of the line at the knee for core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
310	LC_K_INT	Num	8	The intercept of the line at the knee for core section of left lung at residual volume (RV)
311	LC_C_CUTOFF_HU	Num	8	Core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
312	LC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
313	LC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of core section of left lung to emphysema voxels. at residual volume (RV)
314	LC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels. at residual volume (RV)
315	LC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
316	LC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
317	LC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
318	LC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
319	LC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
320	LC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for core section of left lung at residual volume (RV)
321	LC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for core section of left lung at residual volume (RV)
322	LC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for core section of left lung at residual volume (RV)
323	LC_VESSEL_VX	Num	8	Total number of vessel voxels in core section of left lung at residual volume (RV)
324	LC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) core section of left lung at residual volume (RV)
325	LL_TOT_VX	Num	8	Total number of voxels in lower part of left lung at residual volume (RV)
326	LL_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of left lung at residual volume (RV)
327	LL_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of left lung at residual volume (RV)
328	LL_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of left lung at residual volume (RV)
329	LL_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of left lung at residual volume (RV)
330	LL_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of left lung at residual volume (RV)
331	LL_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of left lung at residual volume (RV)
332	LL_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of left lung at residual volume (RV)
333	LL_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
334	LL_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of left lung at residual volume (RV)
335	LL_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of left lung at residual volume (RV)
336	LL_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of left lung at residual volume (RV)
337	LL_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of left lung at residual volume (RV)
338	LL_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of left lung at residual volume (RV)
339	LL_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of left lung at residual volume (RV)
340	LL_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of left lung at residual volume (RV)
341	LL_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of left lung at residual volume (RV)
342	LL_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of left lung at residual volume (RV)
343	LL_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of left lung at residual volume (RV)
344	LL_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of left lung at residual volume (RV)
345	LL_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of left lung at residual volume (RV)
346	LL_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of left lung at residual volume (RV)
347	LL_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of left lung at residual volume (RV)
348	LL_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of left lung at residual volume (RV)
349	LL_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of left lung at residual volume (RV)
350	LL_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of left lung at residual volume (RV)
351	LL_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of left lung at residual volume (RV)
352	LL_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of left lung at residual volume (RV)
353	LL_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of left lung at residual volume (RV)
354	LL_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of left lung at residual volume (RV)
355	LL_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of left lung at residual volume (RV)
356	LL_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
357	LL_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of left lung at residual volume (RV)
358	LL_MEAN	Num	8	Average pixel values within lower part of left lung (HU) at residual volume (RV)
359	LL_MED	Num	8	Median pixel values within lower part of left lung (HU) at residual volume (RV)
360	LL_VAR	Num	8	Variance of pixel values within lower part of left lung at residual volume (RV)
361	LL_SD	Num	8	Standard deviation of pixel values within lower part of left lung at residual volume (RV)
362	LL_SKEW	Num	8	Skewness of pixel values in lower part of left lung at residual volume (RV)
363	LL_KURT	Num	8	Kurtosis of pixel values in lower part of left lung at residual volume (RV)
364	LL_FWHM	Num	8	Full width, half max (HU) for lower part of left lung at residual volume (RV)
365	LL_AIR_V	Num	8	Total volume of air in lower part of left lung (milliliters) at residual volume (RV)
366	LL_TIS_V	Num	8	Total volume of tissue in lower part of left lung (ml) at residual volume (RV)
367	LL_TOT_V	Num	8	Total volume of lower part of left lung (ml) at residual volume (RV)
368	LL_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of left lung at residual volume (RV)
369	LL_A_SLP	Num	8	The slope of the line at the ankle for lower part of left lung at residual volume (RV)
370	LL_A_INT	Num	8	The interecept of the line at the ankle for lower part of left lung at residual volume (RV)
371	LL_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of left lung at residual volume (RV)
372	LL_K_SLP	Num	8	The slope of the line at the knee for lower part of left lung at residual volume (RV)
373	LL_K_INT	Num	8	The intercept of the line at the knee for lower part of left lung at residual volume (RV)
374	LL_C_CUTOFF_HU	Num	8	Lower part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
375	LL_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
376	LL_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of left lung to emphysema voxels. at residual volume (RV)
377	LL_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels. at residual volume (RV)
378	LL_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
379	LL_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
380	LL_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
381	LL_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
382	LL_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
383	LL_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of left lung at residual volume (RV)
384	LL_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of left lung at residual volume (RV)
385	LL_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
386	LL_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of left lung at residual volume (RV)
387	LL_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of left lung at residual volume (RV)
388	LLC_TOT_VX	Num	8	Total number of voxels in lower part of core section of left lung at residual volume (RV)
389	LLC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of core section of left lung at residual volume (RV)
390	LLC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of core section of left lung at residual volume (RV)
391	LLC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of core section of left lung at residual volume (RV)
392	LLC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of core section of left lung at residual volume (RV)
393	LLC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of core section of left lung at residual volume (RV)
394	LLC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of core section of left lung at residual volume (RV)
395	LLC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of core section of left lung at residual volume (RV)
396	LLC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of core section of left lung at residual volume (RV)
397	LLC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of core section of left lung at residual volume (RV)
398	LLC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of core section of left lung at residual volume (RV)
399	LLC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of core section of left lung at residual volume (RV)
400	LLC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of core section of left lung at residual volume (RV)
401	LLC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of core section of left lung at residual volume (RV)
402	LLC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of core section of left lung at residual volume (RV)
403	LLC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of core section of left lung at residual volume (RV)
404	LLC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of core section of left lung at residual volume (RV)
405	LLC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of core section of left lung at residual volume (RV)
406	LLC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of core section of left lung at residual volume (RV)
407	LLC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of core section of left lung at residual volume (RV)
408	LLC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of core section of left lung at residual volume (RV)
409	LLC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
410	LLC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of core section of left lung at residual volume (RV)
411	LLC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of core section of left lung at residual volume (RV)
412	LLC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of core section of left lung at residual volume (RV)
413	LLC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of core section of left lung at residual volume (RV)
414	LLC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of core section of left lung at residual volume (RV)
415	LLC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of core section of left lung at residual volume (RV)
416	LLC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of core section of left lung at residual volume (RV)
417	LLC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of core section of left lung at residual volume (RV)
418	LLC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of core section of left lung at residual volume (RV)
419	LLC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of core section of left lung at residual volume (RV)
420	LLC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of core section of left lung at residual volume (RV)
421	LLC_MEAN	Num	8	Average pixel values within lower part of core section of left lung (HU) at residual volume (RV)
422	LLC_MED	Num	8	Median pixel values within of lower part of core section of left lung (HU) at residual volume (RV)
423	LLC_VAR	Num	8	Variance of pixel values within lower part of core section of left lung at residual volume (RV)
424	LLC_SD	Num	8	Standard deviation of pixel values within lower part of core section of left lung at residual volume (RV)
425	LLC_SKEW	Num	8	Skewness of pixel values in lower part of core section of left lung at residual volume (RV)
426	LLC_KURT	Num	8	Kurtosis of pixel values in lower part of core section of left lung at residual volume (RV)
427	LLC_FWHM	Num	8	Full width, half max (HU) for lower part of core section of left lung at residual volume (RV)
428	LLC_AIR_V	Num	8	Total volume of air in lower part of core section of left lung (milliliters) at residual volume (RV)
429	LLC_TIS_V	Num	8	Total volume of tissue in lower part of core section of left lung (ml) at residual volume (RV)
430	LLC_TOT_V	Num	8	Total volume of lower part of core section of left lung (ml) at residual volume (RV)
431	LLC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of core section of left lung at residual volume (RV)
432	LLC_A_SLP	Num	8	The slope of the line at the ankle for lower part of core section of left lung at residual volume (RV)
433	LLC_A_INT	Num	8	The interecept of the line at the ankle for lower part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
434	LLC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of core section of left lung at residual volume (RV)
435	LLC_K_SLP	Num	8	The slope of the line at the knee for lower part of core section of left lung at residual volume (RV)
436	LLC_K_INT	Num	8	The intercept of the line at the knee for lower part of core section of left lung at residual volume (RV)
437	LLC_C_CUTOFF_HU	Num	8	Lower part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
438	LLC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
439	LLC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of core section of left lung to emphysema voxels. at residual volume (RV)
440	LLC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels. at residual volume (RV)
441	LLC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
442	LLC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
443	LLC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
444	LLC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
445	LLC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
446	LLC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of core section of left lung at residual volume (RV)
447	LLC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of core section of left lung at residual volume (RV)
448	LLC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of core section of left lung at residual volume (RV)
449	LLC_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of core section of left lung at residual volume (RV)
450	LLC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) lower part of core section of left lung at residual volume (RV)
451	LLP_TOT_VX	Num	8	Total number of voxels in lower part of peel section of left lung at residual volume (RV)
452	LLP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of peel section of left lung at residual volume (RV)
453	LLP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of left lung at residual volume (RV)
454	LLP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of left lung at residual volume (RV)
455	LLP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of peel section of left lung at residual volume (RV)
456	LLP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
457	LLP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of peel section of left lung at residual volume (RV)
458	LLP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of peel section of left lung at residual volume (RV)
459	LLP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of peel section of left lung at residual volume (RV)
460	LLP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of peel section of left lung at residual volume (RV)
461	LLP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of peel section of left lung at residual volume (RV)
462	LLP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of peel section of left lung at residual volume (RV)
463	LLP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of peel section of left lung at residual volume (RV)
464	LLP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of peel section of left lung at residual volume (RV)
465	LLP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of peel section of left lung at residual volume (RV)
466	LLP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of peel section of left lung at residual volume (RV)
467	LLP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of peel section of left lung at residual volume (RV)
468	LLP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of peel section of left lung at residual volume (RV)
469	LLP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of peel section of left lung at residual volume (RV)
470	LLP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of peel section of left lung at residual volume (RV)
471	LLP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of peel section of left lung at residual volume (RV)
472	LLP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of peel section of left lung at residual volume (RV)
473	LLP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of peel section of left lung at residual volume (RV)
474	LLP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of peel section of left lung at residual volume (RV)
475	LLP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of peel section of left lung at residual volume (RV)
476	LLP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of peel section of left lung at residual volume (RV)
477	LLP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of peel section of left lung at residual volume (RV)
478	LLP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of peel section of left lung at residual volume (RV)
479	LLP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
480	LLP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of peel section of left lung at residual volume (RV)
481	LLP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of peel section of left lung at residual volume (RV)
482	LLP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of peel section of left lung at residual volume (RV)
483	LLP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of peel section of left lung at residual volume (RV)
484	LLP_MEAN	Num	8	Average pixel values within lower part of peel section of left lung (HU) at residual volume (RV)
485	LLP_MED	Num	8	Median pixel values within lower part of peel section of left lung (HU) at residual volume (RV)
486	LLP_VAR	Num	8	Variance of pixel values within lower part of peel section of left lung at residual volume (RV)
487	LLP_SD	Num	8	Standard deviation of pixel values within lower part of peel section of left lung at residual volume (RV)
488	LLP_SKEW	Num	8	Skewness of pixel values in lower part of peel section of left lung at residual volume (RV)
489	LLP_KURT	Num	8	Kurtosis of pixel values in lower part of peel section of left lung at residual volume (RV)
490	LLP_FWHM	Num	8	Full width, half max (HU) for lower part of peel section of left lung at residual volume (RV)
491	LLP_AIR_V	Num	8	Total volume of air in lower part of peel section of left lung (milliliters) at residual volume (RV)
492	LLP_TIS_V	Num	8	Total volume of tissue in lower part of peel section of left lung (ml) at residual volume (RV)
493	LLP_TOT_V	Num	8	Total volume of lower part of peel section of left lung (ml) at residual volume (RV)
494	LLP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of peel section of left lung at residual volume (RV)
495	LLP_A_SLP	Num	8	The slope of the line at the ankle for lower part of peel section of left lung at residual volume (RV)
496	LLP_A_INT	Num	8	The interecept of the line at the ankle for lower part of peel section of left lung at residual volume (RV)
497	LLP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of peel section of left lung at residual volume (RV)
498	LLP_K_SLP	Num	8	The slope of the line at the knee for lower part of peel section of left lung at residual volume (RV)
499	LLP_K_INT	Num	8	The intercept of the line at the knee for lower part of peel section of left lung at residual volume (RV)
500	LLP_C_CUTOFF_HU	Num	8	Lower part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
501	LLP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
502	LLP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of peel section of left lung to emphysema voxels. at residual volume (RV)
503	LLP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels. at residual volume (RV)

Num	Variable	Type	Len	Label
504	LLP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
505	LLP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
506	LLP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
507	LLP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
508	LLP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
509	LLP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of peel section of left lung at residual volume (RV)
510	LLP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of peel section of left lung at residual volume (RV)
511	LLP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of peel section of left lung at residual volume (RV)
512	LLP_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of peel section of left lung at residual volume (RV)
513	LLP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of peel section of left lung at residual volume (RV)
514	LM_TOT_VX	Num	8	Total number of voxels in middle part of left lung at residual volume (RV)
515	LM_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of left lung at residual volume (RV)
516	LM_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of left lung at residual volume (RV)
517	LM_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of left lung at residual volume (RV)
518	LM_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of left lung at residual volume (RV)
519	LM_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of left lung at residual volume (RV)
520	LM_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of left lung at residual volume (RV)
521	LM_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of left lung at residual volume (RV)
522	LM_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of left lung at residual volume (RV)
523	LM_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of left lung at residual volume (RV)
524	LM_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of left lung at residual volume (RV)
525	LM_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of left lung at residual volume (RV)
526	LM_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of left lung at residual volume (RV)
527	LM_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
528	LM_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of left lung at residual volume (RV)
529	LM_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of left lung at residual volume (RV)
530	LM_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of left lung at residual volume (RV)
531	LM_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of left lung at residual volume (RV)
532	LM_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of left lung at residual volume (RV)
533	LM_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of left lung at residual volume (RV)
534	LM_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of left lung at residual volume (RV)
535	LM_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of left lung at residual volume (RV)
536	LM_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of left lung at residual volume (RV)
537	LM_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of left lung at residual volume (RV)
538	LM_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of left lung at residual volume (RV)
539	LM_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of left lung at residual volume (RV)
540	LM_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of left lung at residual volume (RV)
541	LM_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of left lung at residual volume (RV)
542	LM_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of left lung at residual volume (RV)
543	LM_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of left lung at residual volume (RV)
544	LM_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of left lung at residual volume (RV)
545	LM_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of left lung at residual volume (RV)
546	LM_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of left lung at residual volume (RV)
547	LM_MEAN	Num	8	Average pixel values within middle part of left lung (HU) at residual volume (RV)
548	LM_MED	Num	8	Median pixel values within middle part of left lung (HU) at residual volume (RV)
549	LM_VAR	Num	8	Variance of pixel values within middle part of left lung at residual volume (RV)
550	LM_SD	Num	8	Standard deviation of pixel values within middle part of left lung at residual volume (RV)
551	LM_SKEW	Num	8	Skewness of pixel values in middle part of left lung at residual volume (RV)
552	LM_KURT	Num	8	Kurtosis of pixel values in middle part of left lung at residual volume (RV)
553	LM_FWHM	Num	8	Full width, half max (HU) for middle part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
554	LM_AIR_V	Num	8	Total volume of air in middle part of left lung (milliliters) at residual volume (RV)
555	LM_TIS_V	Num	8	Total volume of tissue in middle part of left lung (ml) at residual volume (RV)
556	LM_TOT_V	Num	8	Total volume of middle part of left lung (ml) at residual volume (RV)
557	LM_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of left lung at residual volume (RV)
558	LM_A_SLP	Num	8	The slope of the line at the ankle for middle part of left lung at residual volume (RV)
559	LM_A_INT	Num	8	The interecept of the line at the ankle for middle part of left lung at residual volume (RV)
560	LM_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of left lung at residual volume (RV)
561	LM_K_SLP	Num	8	The slope of the line at the knee for middle part of left lung at residual volume (RV)
562	LM_K_INT	Num	8	The intercept of the line at the knee for middle part of left lung at residual volume (RV)
563	LM_C_CUTOFF_HU	Num	8	Middle part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
564	LM_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
565	LM_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of left lung to emphysema voxels. at residual volume (RV)
566	LM_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of left lung to emphysema voxels. at residual volume (RV)
567	LM_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
568	LM_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
569	LM_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
570	LM_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
571	LM_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
572	LM_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of left lung at residual volume (RV)
573	LM_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of left lung at residual volume (RV)
574	LM_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of left lung at residual volume (RV)
575	LM_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of left lung at residual volume (RV)
576	LM_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of left lung at residual volume (RV)
577	LMC_TOT_VX	Num	8	Total number of voxels in middle part of core section of left lung at residual volume (RV)
578	LMC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of core section of left lung at residual volume (RV)
579	LMC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
580	LMC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of core section of left lung at residual volume (RV)
581	LMC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of core section of left lung at residual volume (RV)
582	LMC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of core section of left lung at residual volume (RV)
583	LMC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of core section of left lung at residual volume (RV)
584	LMC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of core section of left lung at residual volume (RV)
585	LMC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of core section of left lung at residual volume (RV)
586	LMC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of core section of left lung at residual volume (RV)
587	LMC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of core section of left lung at residual volume (RV)
588	LMC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of core section of left lung at residual volume (RV)
589	LMC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of core section of left lung at residual volume (RV)
590	LMC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of core section of left lung at residual volume (RV)
591	LMC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of core section of left lung at residual volume (RV)
592	LMC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of core section of left lung at residual volume (RV)
593	LMC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of core section of left lung at residual volume (RV)
594	LMC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of core section of left lung at residual volume (RV)
595	LMC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of core section of left lung at residual volume (RV)
596	LMC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of core section of left lung at residual volume (RV)
597	LMC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of core section of left lung at residual volume (RV)
598	LMC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of core section of left lung at residual volume (RV)
599	LMC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of core section of left lung at residual volume (RV)
600	LMC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of core section of left lung at residual volume (RV)
601	LMC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of core section of left lung at residual volume (RV)
602	LMC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
603	LMC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of core section of left lung at residual volume (RV)
604	LMC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of core section of left lung at residual volume (RV)
605	LMC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of core section of left lung at residual volume (RV)
606	LMC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of core section of left lung at residual volume (RV)
607	LMC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of core section of left lung at residual volume (RV)
608	LMC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of core section of left lung at residual volume (RV)
609	LMC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of core section of left lung at residual volume (RV)
610	LMC_MEAN	Num	8	Average pixel values within middle part of core section of left lung (HU) at residual volume (RV)
611	LMC_MED	Num	8	Median pixel values within middle part of core section of left lung (HU) at residual volume (RV)
612	LMC_VAR	Num	8	Variance of pixel values within middle part of core section of left lung at residual volume (RV)
613	LMC_SD	Num	8	Standard deviation of pixel values within middle part of core section of left lung at residual volume (RV)
614	LMC_SKEW	Num	8	Skewness of pixel values in middle part of core section of left lung at residual volume (RV)
615	LMC_KURT	Num	8	Kurtosis of pixel values in middle part of core section of left lung at residual volume (RV)
616	LMC_FWHM	Num	8	Full width, half max (HU) for middle part of core section of left lung at residual volume (RV)
617	LMC_AIR_V	Num	8	Total volume of air in middle part of core section of left lung (milliliters) at residual volume (RV)
618	LMC_TIS_V	Num	8	Total volume of tissue in middle part of core section of left lung (ml) at residual volume (RV)
619	LMC_TOT_V	Num	8	Total volume of middle part of core section of left lung (ml) at residual volume (RV)
620	LMC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of core section of left lung at residual volume (RV)
621	LMC_A_SLP	Num	8	The slope of the line at the ankle for middle part of core section of left lung at residual volume (RV)
622	LMC_A_INT	Num	8	The interecept of the line at the ankle for middle part of core section of left lung at residual volume (RV)
623	LMC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of core section of left lung at residual volume (RV)
624	LMC_K_SLP	Num	8	The slope of the line at the knee for middle part of core section of left lung at residual volume (RV)
625	LMC_K_INT	Num	8	The intercept of the line at the knee for middle part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
626	LMC_C_CUTOFF_HU	Num	8	Middle part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
627	LMC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
628	LMC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of core section of left lung to emphysema voxels. at residual volume (RV)
629	LMC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of core section of left lung to emphysema voxels. at residual volume (RV)
630	LMC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
631	LMC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
632	LMC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
633	LMC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
634	LMC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
635	LMC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of core section of left lung at residual volume (RV)
636	LMC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of core section of left lung at residual volume (RV)
637	LMC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of core section of left lung at residual volume (RV)
638	LMC_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of core section of left lung at residual volume (RV)
639	LMC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of core section of left lung at residual volume (RV)
640	LMP_TOT_VX	Num	8	Total number of voxels in middle part of peel section of left lung at residual volume (RV)
641	LMP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of peel section of left lung at residual volume (RV)
642	LMP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of left lung at residual volume (RV)
643	LMP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of left lung at residual volume (RV)
644	LMP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of peel section of left lung at residual volume (RV)
645	LMP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of peel section of left lung at residual volume (RV)
646	LMP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of peel section of left lung at residual volume (RV)
647	LMP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of peel section of left lung at residual volume (RV)
648	LMP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
649	LMP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of peel section of left lung at residual volume (RV)
650	LMP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of peel section of left lung at residual volume (RV)
651	LMP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of peel section of left lung at residual volume (RV)
652	LMP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of peel section of left lung at residual volume (RV)
653	LMP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of peel section of left lung at residual volume (RV)
654	LMP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of peel section of left lung at residual volume (RV)
655	LMP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of peel section of left lung at residual volume (RV)
656	LMP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of peel section of left lung at residual volume (RV)
657	LMP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of peel section of left lung at residual volume (RV)
658	LMP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of peel section of left lung at residual volume (RV)
659	LMP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of peel section of left lung at residual volume (RV)
660	LMP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of peel section of left lung at residual volume (RV)
661	LMP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of peel section of left lung at residual volume (RV)
662	LMP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of peel section of left lung at residual volume (RV)
663	LMP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of peel section of left lung at residual volume (RV)
664	LMP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of peel section of left lung at residual volume (RV)
665	LMP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of peel section of left lung at residual volume (RV)
666	LMP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of peel section of left lung at residual volume (RV)
667	LMP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of peel section of left lung at residual volume (RV)
668	LMP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of peel section of left lung at residual volume (RV)
669	LMP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of peel section of left lung at residual volume (RV)
670	LMP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of peel section of left lung at residual volume (RV)
671	LMP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
672	LMP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of peel section of left lung at residual volume (RV)
673	LMP_MEAN	Num	8	Average pixel values within middle part of peel section of left lung (HU) at residual volume (RV)
674	LMP_MED	Num	8	Median pixel values within middle part of peel section of left lung (HU) at residual volume (RV)
675	LMP_VAR	Num	8	Variance of pixel values within middle part of peel section of left lung at residual volume (RV)
676	LMP_SD	Num	8	Standard deviation of pixel values within middle part of peel section of left lung at residual volume (RV)
677	LMP_SKEW	Num	8	Skewness of pixel values in middle part of peel section of left lung at residual volume (RV)
678	LMP_KURT	Num	8	Kurtosis of pixel values in middle part of peel section of left lung at residual volume (RV)
679	LMP_FWHM	Num	8	Full width, half max (HU) for middle part of peel section of left lung at residual volume (RV)
680	LMP_AIR_V	Num	8	Total volume of air in middle part of peel section of left lung (milliliters) at residual volume (RV)
681	LMP_TIS_V	Num	8	Total volume of tissue in middle part of peel section of left lung (ml) at residual volume (RV)
682	LMP_TOT_V	Num	8	Total volume of middle part of peel section of left lung (ml) at residual volume (RV)
683	LMP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of peel section of left lung at residual volume (RV)
684	LMP_A_SLP	Num	8	The slope of the line at the ankle for middle part of peel section of left lung at residual volume (RV)
685	LMP_A_INT	Num	8	The interecept of the line at the ankle for middle part of peel section of left lung at residual volume (RV)
686	LMP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of peel section of left lung at residual volume (RV)
687	LMP_K_SLP	Num	8	The slope of the line at the knee for middle part of peel section of left lung at residual volume (RV)
688	LMP_K_INT	Num	8	The intercept of the line at the knee for middle part of peel section of left lung at residual volume (RV)
689	LMP_C_CUTOFF_HU	Num	8	Middle part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
690	LMP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
691	LMP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of peel section of left lung to emphysema voxels. at residual volume (RV)
692	LMP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of peel section of left lung to emphysema voxels. at residual volume (RV)
693	LMP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
694	LMP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
695	LMP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
696	LMP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
697	LMP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
698	LMP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of peel section of left lung at residual volume (RV)
699	LMP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of peel section of left lung at residual volume (RV)
700	LMP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of peel section of left lung at residual volume (RV)
701	LMP_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of peel section of left lung at residual volume (RV)
702	LMP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of peel section of left lung at residual volume (RV)
703	LP_TOT_VX	Num	8	Total number of voxels in peel section of left lung at residual volume (RV)
704	LP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for peel section of left lung at residual volume (RV)
705	LP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of left lung at residual volume (RV)
706	LP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of left lung at residual volume (RV)
707	LP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for peel section of left lung at residual volume (RV)
708	LP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for peel section of left lung at residual volume (RV)
709	LP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for peel section of left lung at residual volume (RV)
710	LP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for peel section of left lung at residual volume (RV)
711	LP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for peel section of left lung at residual volume (RV)
712	LP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for peel section of left lung at residual volume (RV)
713	LP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for peel section of left lung at residual volume (RV)
714	LP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for peel section of left lung at residual volume (RV)
715	LP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for peel section of left lung at residual volume (RV)
716	LP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for peel section of left lung at residual volume (RV)
717	LP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for peel section of left lung at residual volume (RV)
718	LP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
719	LP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for peel section of left lung at residual volume (RV)
720	LP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for peel section of left lung at residual volume (RV)
721	LP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for peel section of left lung at residual volume (RV)
722	LP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for peel section of left lung at residual volume (RV)
723	LP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for peel section of left lung at residual volume (RV)
724	LP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for peel section of left lung at residual volume (RV)
725	LP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for peel section of left lung at residual volume (RV)
726	LP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for peel section of left lung at residual volume (RV)
727	LP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for peel section of left lung at residual volume (RV)
728	LP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for peel section of left lung at residual volume (RV)
729	LP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for peel section of left lung at residual volume (RV)
730	LP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for peel section of left lung at residual volume (RV)
731	LP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for peel section of left lung at residual volume (RV)
732	LP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for peel section of left lung at residual volume (RV)
733	LP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for peel section of left lung at residual volume (RV)
734	LP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for peel section of left lung at residual volume (RV)
735	LP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for peel section of left lung at residual volume (RV)
736	LP_MEAN	Num	8	Average pixel values within peel section of left lung (HU) at residual volume (RV)
737	LP_MED	Num	8	Median pixel values within peel section of left lung (HU) at residual volume (RV)
738	LP_VAR	Num	8	Variance of pixel values within peel section of left lung at residual volume (RV)
739	LP_SD	Num	8	Standard deviation of pixel values within peel section of left lung at residual volume (RV)
740	LP_SKEW	Num	8	Skewness of pixel values in peel section of left lung at residual volume (RV)
741	LP_KURT	Num	8	Kurtosis of pixel values in peel section of left lung at residual volume (RV)
742	LP_FWHM	Num	8	Full width, half max (HU) for peel section of left lung at residual volume (RV)
743	LP_AIR_V	Num	8	Total volume of air in peel section of left lung (milliliters) at residual volume (RV)
744	LP_TIS_V	Num	8	Total volume of tissue in peel section of left lung (ml) at residual volume (RV)
745	LP_TOT_V	Num	8	Total volume of peel section of left lung (ml) at residual volume (RV)

Num	Variable	Type	Len	Label
746	LP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of left lung at residual volume (RV)
747	LP_A_SLP	Num	8	The slope of the line at the ankle for peel section of left lung at residual volume (RV)
748	LP_A_INT	Num	8	The interecept of the line at the ankle for peel section of left lung at residual volume (RV)
749	LP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of left lung at residual volume (RV)
750	LP_K_SLP	Num	8	The slope of the line at the knee for peel section of left lung at residual volume (RV)
751	LP_K_INT	Num	8	The intercept of the line at the knee for peel section of left lung at residual volume (RV)
752	LP_C_CUTOFF_HU	Num	8	Peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at residual volume (RV)
753	LP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
754	LP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of peel section of left lung to emphysema voxels. at residual volume (RV)
755	LP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels. at residual volume (RV)
756	LP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
757	LP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
758	LP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
759	LP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
760	LP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
761	LP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for peel section of left lung at residual volume (RV)
762	LP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for peel section of left lung at residual volume (RV)
763	LP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for peel section of left lung at residual volume (RV)
764	LP_VESSEL_VX	Num	8	Total number of vessel voxels in peel section of left lung at residual volume (RV)
765	LP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for peel section of left lung at residual volume (RV)
766	LU_TOT_VX	Num	8	Total number of voxels in upper part of left lung at residual volume (RV)
767	LU_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of left lung at residual volume (RV)
768	LU_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of left lung at residual volume (RV)
769	LU_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of left lung at residual volume (RV)
770	LU_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
771	LU_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of left lung at residual volume (RV)
772	LU_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of left lung at residual volume (RV)
773	LU_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of left lung at residual volume (RV)
774	LU_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of left lung at residual volume (RV)
775	LU_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of left lung at residual volume (RV)
776	LU_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of left lung at residual volume (RV)
777	LU_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of left lung at residual volume (RV)
778	LU_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of left lung at residual volume (RV)
779	LU_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of left lung at residual volume (RV)
780	LU_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of left lung at residual volume (RV)
781	LU_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of left lung at residual volume (RV)
782	LU_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of left lung at residual volume (RV)
783	LU_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of left lung at residual volume (RV)
784	LU_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of left lung at residual volume (RV)
785	LU_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of left lung at residual volume (RV)
786	LU_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of left lung at residual volume (RV)
787	LU_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of left lung at residual volume (RV)
788	LU_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of left lung at residual volume (RV)
789	LU_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of left lung at residual volume (RV)
790	LU_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of left lung at residual volume (RV)
791	LU_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of left lung at residual volume (RV)
792	LU_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of left lung at residual volume (RV)
793	LU_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
794	LU_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of left lung at residual volume (RV)
795	LU_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of left lung at residual volume (RV)
796	LU_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of left lung at residual volume (RV)
797	LU_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of left lung at residual volume (RV)
798	LU_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of left lung at residual volume (RV)
799	LU_MEAN	Num	8	Average pixel values within upper part of left lung (HU) at residual volume (RV)
800	LU_MED	Num	8	Median pixel values within upper part of left lung (HU) at residual volume (RV)
801	LU_VAR	Num	8	Variance of pixel values within upper part of left lung at residual volume (RV)
802	LU_SD	Num	8	Standard deviation of pixel values within upper part of left lung at residual volume (RV)
803	LU_SKEW	Num	8	Skewness of pixel values in upper part of left lung at residual volume (RV)
804	LU_KURT	Num	8	Kurtosis of pixel values in upper part of left lung at residual volume (RV)
805	LU_FWHM	Num	8	Full width, half max (HU) for upper part of left lung at residual volume (RV)
806	LU_AIR_V	Num	8	Total volume of air in upper part of left lung (milliliters) at residual volume (RV)
807	LU_TIS_V	Num	8	Total volume of tissue in upper part of left lung (ml) at residual volume (RV)
808	LU_TOT_V	Num	8	Total volume of upper part of left lung (ml) at residual volume (RV)
809	LU_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of left lung at residual volume (RV)
810	LU_A_SLP	Num	8	The slope of the line at the ankle for upper part of left lung at residual volume (RV)
811	LU_A_INT	Num	8	The interecept of the line at the ankle for upper part of left lung at residual volume (RV)
812	LU_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of left lung at residual volume (RV)
813	LU_K_SLP	Num	8	The slope of the line at the knee for upper part of left lung at residual volume (RV)
814	LU_K_INT	Num	8	The intercept of the line at the knee for upper part of left lung at residual volume (RV)
815	LU_C_CUTOFF_HU	Num	8	Upper part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
816	LU_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
817	LU_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of left lung to emphysema voxels. at residual volume (RV)
818	LU_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels. at residual volume (RV)
819	LU_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
820	LU_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
821	LU_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
822	LU_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
823	LU_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
824	LU_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of left lung at residual volume (RV)
825	LU_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of left lung at residual volume (RV)
826	LU_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of left lung at residual volume (RV)
827	LU_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of left lung at residual volume (RV)
828	LU_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of left lung at residual volume (RV)
829	LUC_TOT_VX	Num	8	Total number of voxels in upper part of core section of left lung at residual volume (RV)
830	LUC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of core section of left lung at residual volume (RV)
831	LUC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of core section of left lung at residual volume (RV)
832	LUC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of core section of left lung at residual volume (RV)
833	LUC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of core section of left lung at residual volume (RV)
834	LUC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of core section of left lung at residual volume (RV)
835	LUC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of core section of left lung at residual volume (RV)
836	LUC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of core section of left lung at residual volume (RV)
837	LUC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of core section of left lung at residual volume (RV)
838	LUC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of core section of left lung at residual volume (RV)
839	LUC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of core section of left lung at residual volume (RV)
840	LUC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of core section of left lung at residual volume (RV)
841	LUC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of core section of left lung at residual volume (RV)
842	LUC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of core section of left lung at residual volume (RV)
843	LUC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of core section of left lung at residual volume (RV)
844	LUC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of core section of left lung at residual volume (RV)
845	LUC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of core section of left lung at residual volume (RV)
846	LUC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
847	LUC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of core section of left lung at residual volume (RV)
848	LUC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of core section of left lung at residual volume (RV)
849	LUC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of core section of left lung at residual volume (RV)
850	LUC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of core section of left lung at residual volume (RV)
851	LUC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of core section of left lung at residual volume (RV)
852	LUC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of core section of left lung at residual volume (RV)
853	LUC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of core section of left lung at residual volume (RV)
854	LUC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of core section of left lung at residual volume (RV)
855	LUC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of core section of left lung at residual volume (RV)
856	LUC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of core section of left lung at residual volume (RV)
857	LUC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of core section of left lung at residual volume (RV)
858	LUC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of core section of left lung at residual volume (RV)
859	LUC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of core section of left lung at residual volume (RV)
860	LUC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of core section of left lung at residual volume (RV)
861	LUC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of core section of left lung at residual volume (RV)
862	LUC_MEAN	Num	8	Average pixel values within upper part of core section of left lung (HU) at residual volume (RV)
863	LUC_MED	Num	8	Median pixel values within upper part of core section of left lung (HU) at residual volume (RV)
864	LUC_VAR	Num	8	Variance of pixel values within upper part of core section of left lung at residual volume (RV)
865	LUC_SD	Num	8	Standard deviation of pixel values within upper part of core section of left lung at residual volume (RV)
866	LUC_SKEW	Num	8	Skewness of pixel values in upper part of core section of left lung at residual volume (RV)
867	LUC_KURT	Num	8	Kurtosis of pixel values in upper part of core section of left lung at residual volume (RV)
868	LUC_FWHM	Num	8	Full width, half max (HU) for upper part of core section of left lung at residual volume (RV)
869	LUC_AIR_V	Num	8	Total volume of air in upper part of core section of left lung (milliliters) at residual volume (RV)
870	LUC_TIS_V	Num	8	Total volume of tissue in upper part of core section of left lung (ml) at residual volume (RV)

Num	Variable	Type	Len	Label
871	LUC_TOT_V	Num	8	Total volume of upper part of core section of left lung (ml) at residual volume (RV)
872	LUC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of core section of left lung at residual volume (RV)
873	LUC_A_SLP	Num	8	The slope of the line at the ankle for upper part of core section of left lung at residual volume (RV)
874	LUC_A_INT	Num	8	The interecept of the line at the ankle for upper part of core section of left lung at residual volume (RV)
875	LUC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of core section of left lung at residual volume (RV)
876	LUC_K_SLP	Num	8	The slope of the line at the knee for upper part of core section of left lung at residual volume (RV)
877	LUC_K_INT	Num	8	The intercept of the line at the knee for upper part of core section of left lung at residual volume (RV)
878	LUC_C_CUTOFF_HU	Num	8	Upper part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
879	LUC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
880	LUC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of core section of left lung to emphysema voxels. at residual volume (RV)
881	LUC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels. at residual volume (RV)
882	LUC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
883	LUC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
884	LUC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
885	LUC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
886	LUC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
887	LUC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of core section of left lung at residual volume (RV)
888	LUC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of core section of left lung at residual volume (RV)
889	LUC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of core section of left lung at residual volume (RV)
890	LUC_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of core section of left lung at residual volume (RV)
891	LUC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of core section of left lung at residual volume (RV)
892	LUP_TOT_VX	Num	8	Total number of voxels in upper part of peel section of left lung at residual volume (RV)
893	LUP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
894	LUP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of left lung at residual volume (RV)
895	LUP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of left lung at residual volume (RV)
896	LUP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of peel section of left lung at residual volume (RV)
897	LUP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of peel section of left lung at residual volume (RV)
898	LUP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of peel section of left lung at residual volume (RV)
899	LUP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of peel section of left lung at residual volume (RV)
900	LUP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of peel section of left lung at residual volume (RV)
901	LUP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of peel section of left lung at residual volume (RV)
902	LUP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of peel section of left lung at residual volume (RV)
903	LUP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of peel section of left lung at residual volume (RV)
904	LUP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of peel section of left lung at residual volume (RV)
905	LUP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of peel section of left lung at residual volume (RV)
906	LUP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of peel section of left lung at residual volume (RV)
907	LUP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of peel section of left lung at residual volume (RV)
908	LUP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of peel section of left lung at residual volume (RV)
909	LUP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of peel section of left lung at residual volume (RV)
910	LUP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of peel section of left lung at residual volume (RV)
911	LUP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of peel section of left lung at residual volume (RV)
912	LUP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of peel section of left lung at residual volume (RV)
913	LUP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of peel section of left lung at residual volume (RV)
914	LUP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of peel section of left lung at residual volume (RV)
915	LUP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of peel section of left lung at residual volume (RV)
916	LUP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
917	LUP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of peel section of left lung at residual volume (RV)
918	LUP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of peel section of left lung at residual volume (RV)
919	LUP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of peel section of left lung at residual volume (RV)
920	LUP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of peel section of left lung at residual volume (RV)
921	LUP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of peel section of left lung at residual volume (RV)
922	LUP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of peel section of left lung at residual volume (RV)
923	LUP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of peel section of left lung at residual volume (RV)
924	LUP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of peel section of left lung at residual volume (RV)
925	LUP_MEAN	Num	8	Average pixel values within upper part of peel section of left lung (HU) at residual volume (RV)
926	LUP_MED	Num	8	Median pixel values within upper part of peel section of left lung (HU) at residual volume (RV)
927	LUP_VAR	Num	8	Variance of pixel values within upper part of peel section of left lung at residual volume (RV)
928	LUP_SD	Num	8	Standard deviation of pixel values within upper part of peel section of left lung at residual volume (RV)
929	LUP_SKEW	Num	8	Skewness of pixel values in upper part of peel section of left lung at residual volume (RV)
930	LUP_KURT	Num	8	Kurtosis of pixel values in upper part of peel section of left lung at residual volume (RV)
931	LUP_FWHM	Num	8	Full width, half max (HU) for upper part of peel section of left lung at residual volume (RV)
932	LUP_AIR_V	Num	8	Total volume of air in upper part of peel section of left lung (milliliters) at residual volume (RV)
933	LUP_TIS_V	Num	8	Total volume of tissue in upper part of peel section of left lung (ml) at residual volume (RV)
934	LUP_TOT_V	Num	8	Total volume of upper part of peel section of left lung (ml) at residual volume (RV)
935	LUP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of peel section of left lung at residual volume (RV)
936	LUP_A_SLP	Num	8	The slope of the line at the ankle for upper part of peel section of left lung at residual volume (RV)
937	LUP_A_INT	Num	8	The interecept of the line at the ankle for upper part of peel section of left lung at residual volume (RV)
938	LUP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of peel section of left lung at residual volume (RV)
939	LUP_K_SLP	Num	8	The slope of the line at the knee for upper part of peel section of left lung at residual volume (RV)
940	LUP_K_INT	Num	8	The intercept of the line at the knee for upper part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
941	LUP_C_CUTOFF_HU	Num	8	Upper part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
942	LUP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
943	LUP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of peel section of left lung to emphysema voxels. at residual volume (RV)
944	LUP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels. at residual volume (RV)
945	LUP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
946	LUP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
947	LUP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
948	LUP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
949	LUP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
950	LUP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of peel section of left lung at residual volume (RV)
951	LUP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of peel section of left lung at residual volume (RV)
952	LUP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of peel section of left lung at residual volume (RV)
953	LUP_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of peel section of left lung at residual volume (RV)
954	LUP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of peel section of left lung at residual volume (RV)
955	R_TOT_VX	Num	8	Total number of voxels in right lung at residual volume (RV)
956	R_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for right lung at residual volume (RV)
957	R_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for right lung at residual volume (RV)
958	R_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for right lung at residual volume (RV)
959	R_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for right lung at residual volume (RV)
960	R_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for right lung at residual volume (RV)
961	R_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for right lung at residual volume (RV)
962	R_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for right lung at residual volume (RV)
963	R_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for right lung at residual volume (RV)
964	R_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for right lung at residual volume (RV)

Num	Variable	Type	Len	Label
965	R_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for right lung at residual volume (RV)
966	R_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for right lung at residual volume (RV)
967	R_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for right lung at residual volume (RV)
968	R_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for right lung at residual volume (RV)
969	R_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for right lung at residual volume (RV)
970	R_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for right lung at residual volume (RV)
971	R_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for right lung at residual volume (RV)
972	R_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for right lung at residual volume (RV)
973	R_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for right lung at residual volume (RV)
974	R_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for right lung at residual volume (RV)
975	R_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for right lung at residual volume (RV)
976	R_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for right lung at residual volume (RV)
977	R_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for right lung at residual volume (RV)
978	R_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for right lung at residual volume (RV)
979	R_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for right lung at residual volume (RV)
980	R_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for right lung at residual volume (RV)
981	R_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for right lung at residual volume (RV)
982	R_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for right lung at residual volume (RV)
983	R_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for right lung at residual volume (RV)
984	R_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for right lung at residual volume (RV)
985	R_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for right lung at residual volume (RV)
986	R_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for right lung at residual volume (RV)
987	R_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for right lung at residual volume (RV)
988	R_MEAN	Num	8	Average pixel values within right lung (HU) at residual volume (RV)

Num	Variable	Type	Len	Label
989	R_MED	Num	8	Median pixel values within right lung (HU) at residual volume (RV)
990	R_VAR	Num	8	Variance of pixel values within right lung at residual volume (RV)
991	R_SD	Num	8	Standard deviation of pixel values within right lung at residual volume (RV)
992	R_SKEW	Num	8	Skewness of pixel values in right lung at residual volume (RV)
993	R_KURT	Num	8	Kurtosis of pixel values in right lung at residual volume (RV)
994	R_FWHM	Num	8	Full width, half max (HU) for right lung at residual volume (RV)
995	R_AIR_V	Num	8	Total volume of air in right lung (milliliters) at residual volume (RV)
996	R_TIS_V	Num	8	Total volume of tissue in right lung (ml) at residual volume (RV)
997	R_TOT_V	Num	8	Total volume of right lung (ml) at residual volume (RV)
998	R_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for right lung at residual volume (RV)
999	R_A_SLP	Num	8	The slope of the line at the ankle for right lung at residual volume (RV)
1000	R_A_INT	Num	8	The interecept of the line at the ankle for right lung at residual volume (RV)
1001	R_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for right lung at residual volume (RV)
1002	R_K_SLP	Num	8	The slope of the line at the knee for right lung at residual volume (RV)
1003	R_K_INT	Num	8	The intercept of the line at the knee for right lung at residual volume (RV)
1004	R_C_CUTOFF_HU	Num	8	Right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at residual volume (RV)
1005	R_C_V_M	Num	8	Mean length of vectors drawn from the centroid of right lung to emphysema voxels at residual volume (RV)
1006	R_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of right lung to emphysema voxels. at residual volume (RV)
1007	R_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of right lung to emphysema voxels. at residual volume (RV)
1008	R_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at residual volume (RV)
1009	R_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of right lung to emphysema voxels at residual volume (RV)
1010	R_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at residual volume (RV)
1011	R_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of right lung to emphysema voxels at residual volume (RV)
1012	R_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at residual volume (RV)
1013	R_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for right lung at residual volume (RV)
1014	R_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for right lung at residual volume (RV)
1015	R_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for right lung at residual volume (RV)
1016	R_VESSEL_VX	Num	8	Total number of vessel voxels in right lung at residual volume (RV)
1017	R_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1018	RC_TOT_VX	Num	8	Total number of voxels in core section of right lung at residual volume (RV)
1019	RC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for core section of right lung at residual volume (RV)
1020	RC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of right lung at residual volume (RV)
1021	RC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of right lung at residual volume (RV)
1022	RC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for core section of right lung at residual volume (RV)
1023	RC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for core section of right lung at residual volume (RV)
1024	RC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for core section of right lung at residual volume (RV)
1025	RC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for core section of right lung at residual volume (RV)
1026	RC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for core section of right lung at residual volume (RV)
1027	RC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for core section of right lung at residual volume (RV)
1028	RC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for core section of right lung at residual volume (RV)
1029	RC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for core section of right lung at residual volume (RV)
1030	RC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for core section of right lung at residual volume (RV)
1031	RC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for core section of right lung at residual volume (RV)
1032	RC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for core section of right lung at residual volume (RV)
1033	RC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for core section of right lung at residual volume (RV)
1034	RC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for core section of right lung at residual volume (RV)
1035	RC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for core section of right lung at residual volume (RV)
1036	RC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for core section of right lung at residual volume (RV)
1037	RC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for core section of right lung at residual volume (RV)
1038	RC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for core section of right lung at residual volume (RV)
1039	RC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for core section of right lung at residual volume (RV)
1040	RC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for core section of right lung at residual volume (RV)
1041	RC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1042	RC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for core section of right lung at residual volume (RV)
1043	RC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for core section of right lung at residual volume (RV)
1044	RC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for core section of right lung at residual volume (RV)
1045	RC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for core section of right lung at residual volume (RV)
1046	RC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for core section of right lung at residual volume (RV)
1047	RC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for core section of right lung at residual volume (RV)
1048	RC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for core section of right lung at residual volume (RV)
1049	RC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for core section of right lung at residual volume (RV)
1050	RC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for core section of right lung at residual volume (RV)
1051	RC_MEAN	Num	8	Average pixel values within core section of right lung (HU) at residual volume (RV)
1052	RC_MED	Num	8	Median pixel values within core section of right lung (HU) at residual volume (RV)
1053	RC_VAR	Num	8	Variance of pixel values within core section of right lung at residual volume (RV)
1054	RC_SD	Num	8	Standard deviation of pixel values within core section of right lung at residual volume (RV)
1055	RC_SKEW	Num	8	Skewness of pixel values in core section of right lung at residual volume (RV)
1056	RC_KURT	Num	8	Kurtosis of pixel values in core section of right lung at residual volume (RV)
1057	RC_FWHM	Num	8	Full width, half max (HU) for core section of right lung at residual volume (RV)
1058	RC_AIR_V	Num	8	Total volume of air in core section of right lung (milliliters) at residual volume (RV)
1059	RC_TIS_V	Num	8	Total volume of tissue in core section of right lung (ml) at residual volume (RV)
1060	RC_TOT_V	Num	8	Total volume of core section of right lung (ml) at residual volume (RV)
1061	RC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of right lung at residual volume (RV)
1062	RC_A_SLP	Num	8	The slope of the line at the ankle for core section of right lung at residual volume (RV)
1063	RC_A_INT	Num	8	The interecept of the line at the ankle for core section of right lung at residual volume (RV)
1064	RC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of right lung at residual volume (RV)
1065	RC_K_SLP	Num	8	The slope of the line at the knee for core section of right lung at residual volume (RV)
1066	RC_K_INT	Num	8	The intercept of the line at the knee for core section of right lung at residual volume (RV)
1067	RC_C_CUTOFF_HU	Num	8	Core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1068	RC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1069	RC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of core section of right lung to emphysema voxels. at residual volume (RV)

Num	Variable	Type	Len	Label
1070	RC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels. at residual volume (RV)
1071	RC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1072	RC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1073	RC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1074	RC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1075	RC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1076	RC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for core section of right lung at residual volume (RV)
1077	RC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for core section of right lung at residual volume (RV)
1078	RC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for core section of right lung at residual volume (RV)
1079	RC_VESSEL_VX	Num	8	Total number of vessel voxels in core section of right lung at residual volume (RV)
1080	RC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for core section of right lung at residual volume (RV)
1081	RL_TOT_VX	Num	8	Total number of voxels in lower part of right lung at residual volume (RV)
1082	RL_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of right lung at residual volume (RV)
1083	RL_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of right lung at residual volume (RV)
1084	RL_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of right lung at residual volume (RV)
1085	RL_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of right lung at residual volume (RV)
1086	RL_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of right lung at residual volume (RV)
1087	RL_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of right lung at residual volume (RV)
1088	RL_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of right lung at residual volume (RV)
1089	RL_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of right lung at residual volume (RV)
1090	RL_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of right lung at residual volume (RV)
1091	RL_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of right lung at residual volume (RV)
1092	RL_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of right lung at residual volume (RV)
1093	RL_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1094	RL_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of right lung at residual volume (RV)
1095	RL_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of right lung at residual volume (RV)
1096	RL_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of right lung at residual volume (RV)
1097	RL_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of right lung at residual volume (RV)
1098	RL_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of right lung at residual volume (RV)
1099	RL_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of right lung at residual volume (RV)
1100	RL_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of right lung at residual volume (RV)
1101	RL_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of right lung at residual volume (RV)
1102	RL_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of right lung at residual volume (RV)
1103	RL_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of right lung at residual volume (RV)
1104	RL_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of right lung at residual volume (RV)
1105	RL_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of right lung at residual volume (RV)
1106	RL_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of right lung at residual volume (RV)
1107	RL_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of right lung at residual volume (RV)
1108	RL_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of right lung at residual volume (RV)
1109	RL_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of right lung at residual volume (RV)
1110	RL_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of right lung at residual volume (RV)
1111	RL_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of right lung at residual volume (RV)
1112	RL_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of right lung at residual volume (RV)
1113	RL_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of right lung at residual volume (RV)
1114	RL_MEAN	Num	8	Average pixel values within lower part of right lung (HU) at residual volume (RV)
1115	RL_MED	Num	8	Median pixel values within lower part of right lung (HU) at residual volume (RV)
1116	RL_VAR	Num	8	Variance of pixel values within lower part of right lung at residual volume (RV)
1117	RL_SD	Num	8	Standard deviation of pixel values within lower part of right lung at residual volume (RV)
1118	RL_SKEW	Num	8	Skewness of pixel values in lower part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1119	RL_KURT	Num	8	Kurtosis of pixel values in lower part of right lung at residual volume (RV)
1120	RL_FWHM	Num	8	Full width, half max (HU) for lower part of right lung at residual volume (RV)
1121	RL_AIR_V	Num	8	Total volume of air in lower part of right lung (milliliters) at residual volume (RV)
1122	RL_TIS_V	Num	8	Total volume of tissue in lower part of right lung (ml) at residual volume (RV)
1123	RL_TOT_V	Num	8	Total volume of lower part of right lung (ml) at residual volume (RV)
1124	RL_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of right lung at residual volume (RV)
1125	RL_A_SLP	Num	8	The slope of the line at the ankle for lower part of right lung at residual volume (RV)
1126	RL_A_INT	Num	8	The interecept of the line at the ankle for lower part of right lung at residual volume (RV)
1127	RL_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of right lung at residual volume (RV)
1128	RL_K_SLP	Num	8	The slope of the line at the knee for lower part of right lung at residual volume (RV)
1129	RL_K_INT	Num	8	The intercept of the line at the knee for lower part of right lung at residual volume (RV)
1130	RL_C_CUTOFF_HU	Num	8	Lower part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1131	RL_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1132	RL_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of right lung to emphysema voxels. at residual volume (RV)
1133	RL_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels. at residual volume (RV)
1134	RL_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1135	RL_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1136	RL_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1137	RL_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1138	RL_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1139	RL_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of right lung at residual volume (RV)
1140	RL_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of right lung at residual volume (RV)
1141	RL_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of right lung at residual volume (RV)
1142	RL_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of right lung at residual volume (RV)
1143	RL_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of right lung at residual volume (RV)
1144	RLC_TOT_VX	Num	8	Total number of voxels in lower part of core section of right lung at residual volume (RV)
1145	RLC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1146	RLC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of core section of right lung at residual volume (RV)
1147	RLC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of core section of right lung at residual volume (RV)
1148	RLC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of core section of right lung at residual volume (RV)
1149	RLC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of core section of right lung at residual volume (RV)
1150	RLC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of core section of right lung at residual volume (RV)
1151	RLC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of core section of right lung at residual volume (RV)
1152	RLC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of core section of right lung at residual volume (RV)
1153	RLC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of core section of right lung at residual volume (RV)
1154	RLC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of core section of right lung at residual volume (RV)
1155	RLC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of core section of right lung at residual volume (RV)
1156	RLC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of core section of right lung at residual volume (RV)
1157	RLC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of core section of right lung at residual volume (RV)
1158	RLC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of core section of right lung at residual volume (RV)
1159	RLC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of core section of right lung at residual volume (RV)
1160	RLC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of core section of right lung at residual volume (RV)
1161	RLC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of core section of right lung at residual volume (RV)
1162	RLC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of core section of right lung at residual volume (RV)
1163	RLC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of core section of right lung at residual volume (RV)
1164	RLC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of core section of right lung at residual volume (RV)
1165	RLC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of core section of right lung at residual volume (RV)
1166	RLC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of core section of right lung at residual volume (RV)
1167	RLC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of core section of right lung at residual volume (RV)
1168	RLC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1169	RLC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of core section of right lung at residual volume (RV)
1170	RLC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of core section of right lung at residual volume (RV)
1171	RLC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of core section of right lung at residual volume (RV)
1172	RLC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of core section of right lung at residual volume (RV)
1173	RLC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of core section of right lung at residual volume (RV)
1174	RLC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of core section of right lung at residual volume (RV)
1175	RLC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of core section of right lung at residual volume (RV)
1176	RLC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of core section of right lung at residual volume (RV)
1177	RLC_MEAN	Num	8	Average pixel values within lower part of core section of right lung (HU) at residual volume (RV)
1178	RLC_MED	Num	8	Median pixel values within lower part of core section of right lung (HU) at residual volume (RV)
1179	RLC_VAR	Num	8	Variance of pixel values within lower part of core section of right lung at residual volume (RV)
1180	RLC_SD	Num	8	Standard deviation of pixel values within lower part of core section of right lung at residual volume (RV)
1181	RLC_SKEW	Num	8	Skewness of pixel values in lower part of core section of right lung at residual volume (RV)
1182	RLC_KURT	Num	8	Kurtosis of pixel values in lower part of core section of right lung at residual volume (RV)
1183	RLC_FWHM	Num	8	Full width, half max (HU) for lower part of core section of right lung at residual volume (RV)
1184	RLC_AIR_V	Num	8	Total volume of air in lower part of core section of right lung (milliliters) at residual volume (RV)
1185	RLC_TIS_V	Num	8	Total volume of tissue in lower part of core section of right lung (ml) at residual volume (RV)
1186	RLC_TOT_V	Num	8	Total volume of lower part of core section of right lung (ml) at residual volume (RV)
1187	RLC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of core section of right lung at residual volume (RV)
1188	RLC_A_SLP	Num	8	The slope of the line at the ankle for lower part of core section of right lung at residual volume (RV)
1189	RLC_A_INT	Num	8	The interecept of the line at the ankle for lower part of core section of right lung at residual volume (RV)
1190	RLC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of core section of right lung at residual volume (RV)
1191	RLC_K_SLP	Num	8	The slope of the line at the knee for lower part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1192	RLC_K_INT	Num	8	The intercept of the line at the knee for lower part of core section of right lung at residual volume (RV)
1193	RLC_C_CUTOFF_HU	Num	8	Lower part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1194	RLC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1195	RLC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of core section of right lung to emphysema voxels. at residual volume (RV)
1196	RLC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels. at residual volume (RV)
1197	RLC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1198	RLC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1199	RLC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1200	RLC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1201	RLC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1202	RLC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of core section of right lung at residual volume (RV)
1203	RLC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of core section of right lung at residual volume (RV)
1204	RLC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of core section of right lung at residual volume (RV)
1205	RLC_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of core section of right lung at residual volume (RV)
1206	RLC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of core section of right lung at residual volume (RV)
1207	RLP_TOT_VX	Num	8	Total number of voxels in lower part of peel section of right lung at residual volume (RV)
1208	RLP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1209	RLP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1210	RLP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1211	RLP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1212	RLP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1213	RLP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1214	RLP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1215	RLP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1216	RLP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1217	RLP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1218	RLP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1219	RLP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1220	RLP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1221	RLP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1222	RLP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1223	RLP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1224	RLP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1225	RLP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1226	RLP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1227	RLP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1228	RLP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1229	RLP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1230	RLP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1231	RLP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1232	RLP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1233	RLP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1234	RLP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1235	RLP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1236	RLP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1237	RLP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1238	RLP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1239	RLP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1240	RLP_MEAN	Num	8	Average pixel values within lower part of peel section of right lung (HU) at residual volume (RV)
1241	RLP_MED	Num	8	Median pixel values within lower part of peel section of right lung (HU) at residual volume (RV)
1242	RLP_VAR	Num	8	Variance of pixel values within lower part of peel section of right lung at residual volume (RV)
1243	RLP_SD	Num	8	Standard deviation of pixel values within lower part of peel section of right lung at residual volume (RV)
1244	RLP_SKEW	Num	8	Skewness of pixel values in lower part of peel section of right lung at residual volume (RV)
1245	RLP_KURT	Num	8	Kurtosis of pixel values in lower part of peel section of right lung at residual volume (RV)
1246	RLP_FWHM	Num	8	Full width, half max (HU) for lower part of peel section of right lung at residual volume (RV)
1247	RLP_AIR_V	Num	8	Total volume of air in lower part of peel section of right lung (milliliters) at residual volume (RV)
1248	RLP_TIS_V	Num	8	Total volume of tissue in lower part of peel section of right lung (ml) at residual volume (RV)
1249	RLP_TOT_V	Num	8	Total volume of lower part of peel section of right lung (ml) at residual volume (RV)
1250	RLP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of peel section of right lung at residual volume (RV)
1251	RLP_A_SLP	Num	8	The slope of the line at the ankle for lower part of peel section of right lung at residual volume (RV)
1252	RLP_A_INT	Num	8	The interecept of the line at the ankle for lower part of peel section of right lung at residual volume (RV)
1253	RLP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of peel section of right lung at residual volume (RV)
1254	RLP_K_SLP	Num	8	The slope of the line at the knee for lower part of peel section of right lung at residual volume (RV)
1255	RLP_K_INT	Num	8	The intercept of the line at the knee for lower part of peel section of right lung at residual volume (RV)
1256	RLP_C_CUTOFF_HU	Num	8	Lower part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1257	RLP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1258	RLP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of peel section of right lung to emphysema voxels. at residual volume (RV)
1259	RLP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels. at residual volume (RV)
1260	RLP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
1261	RLP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1262	RLP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1263	RLP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1264	RLP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1265	RLP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of peel section of right lung at residual volume (RV)
1266	RLP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of peel section of right lung at residual volume (RV)
1267	RLP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of peel section of right lung at residual volume (RV)
1268	RLP_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of peel section of right lung at residual volume (RV)
1269	RLP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of peel section of right lung at residual volume (RV)
1270	RM_TOT_VX	Num	8	Total number of voxels in middle part of right lung at residual volume (RV)
1271	RM_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of right lung at residual volume (RV)
1272	RM_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of right lung at residual volume (RV)
1273	RM_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of right lung at residual volume (RV)
1274	RM_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of right lung at residual volume (RV)
1275	RM_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of right lung at residual volume (RV)
1276	RM_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of right lung at residual volume (RV)
1277	RM_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of right lung at residual volume (RV)
1278	RM_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of right lung at residual volume (RV)
1279	RM_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of right lung at residual volume (RV)
1280	RM_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of right lung at residual volume (RV)
1281	RM_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of right lung at residual volume (RV)
1282	RM_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of right lung at residual volume (RV)
1283	RM_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of right lung at residual volume (RV)
1284	RM_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1285	RM_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of right lung at residual volume (RV)
1286	RM_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of right lung at residual volume (RV)
1287	RM_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of right lung at residual volume (RV)
1288	RM_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of right lung at residual volume (RV)
1289	RM_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of right lung at residual volume (RV)
1290	RM_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of right lung at residual volume (RV)
1291	RM_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of right lung at residual volume (RV)
1292	RM_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of right lung at residual volume (RV)
1293	RM_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of right lung at residual volume (RV)
1294	RM_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of right lung at residual volume (RV)
1295	RM_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of right lung at residual volume (RV)
1296	RM_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of right lung at residual volume (RV)
1297	RM_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of right lung at residual volume (RV)
1298	RM_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of right lung at residual volume (RV)
1299	RM_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of right lung at residual volume (RV)
1300	RM_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of right lung at residual volume (RV)
1301	RM_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of right lung at residual volume (RV)
1302	RM_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of right lung at residual volume (RV)
1303	RM_MEAN	Num	8	Average pixel values within middle part of right lung (HU) at residual volume (RV)
1304	RM_MED	Num	8	Median pixel values within middle part of right lung (HU) at residual volume (RV)
1305	RM_VAR	Num	8	Variance of pixel values within middle part of right lung at residual volume (RV)
1306	RM_SD	Num	8	Standard deviation of pixel values within middle part of right lung at residual volume (RV)
1307	RM_SKEW	Num	8	Skewness of pixel values in middle part of right lung at residual volume (RV)
1308	RM_KURT	Num	8	Kurtosis of pixel values in middle part of right lung at residual volume (RV)
1309	RM_FWHM	Num	8	Full width, half max (HU) for middle part of right lung at residual volume (RV)
1310	RM_AIR_V	Num	8	Total volume of air in middle part of right lung (milliliters) at residual volume (RV)

Num	Variable	Type	Len	Label
1311	RM_TIS_V	Num	8	Total volume of tissue in middle part of right lung (ml) at residual volume (RV)
1312	RM_TOT_V	Num	8	Total volume of middle part of right lung (ml) at residual volume (RV)
1313	RM_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of right lung at residual volume (RV)
1314	RM_A_SLP	Num	8	The slope of the line at the ankle for middle part of right lung at residual volume (RV)
1315	RM_A_INT	Num	8	The interecept of the line at the ankle for middle part of right lung at residual volume (RV)
1316	RM_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of right lung at residual volume (RV)
1317	RM_K_SLP	Num	8	The slope of the line at the knee for middle part of right lung at residual volume (RV)
1318	RM_K_INT	Num	8	The intercept of the line at the knee for middle part of right lung at residual volume (RV)
1319	RM_C_CUTOFF_HU	Num	8	Middle part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1320	RM_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1321	RM_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of right lung to emphysema voxels. at residual volume (RV)
1322	RM_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels. at residual volume (RV)
1323	RM_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1324	RM_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1325	RM_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1326	RM_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1327	RM_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1328	RM_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of right lung at residual volume (RV)
1329	RM_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of right lung at residual volume (RV)
1330	RM_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of right lung at residual volume (RV)
1331	RM_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of right lung at residual volume (RV)
1332	RM_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of right lung at residual volume (RV)
1333	RMC_TOT_VX	Num	8	Total number of voxels in middle part of core section of right lung at residual volume (RV)
1334	RMC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of core section of right lung at residual volume (RV)
1335	RMC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of core section of right lung at residual volume (RV)
1336	RMC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1337	RMC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of core section of right lung at residual volume (RV)
1338	RMC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of core section of right lung at residual volume (RV)
1339	RMC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of core section of right lung at residual volume (RV)
1340	RMC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of core section of right lung at residual volume (RV)
1341	RMC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of core section of right lung at residual volume (RV)
1342	RMC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of core section of right lung at residual volume (RV)
1343	RMC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of core section of right lung at residual volume (RV)
1344	RMC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of core section of right lung at residual volume (RV)
1345	RMC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of core section of right lung at residual volume (RV)
1346	RMC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of core section of right lung at residual volume (RV)
1347	RMC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of core section of right lung at residual volume (RV)
1348	RMC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of core section of right lung at residual volume (RV)
1349	RMC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of core section of right lung at residual volume (RV)
1350	RMC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of core section of right lung at residual volume (RV)
1351	RMC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of core section of right lung at residual volume (RV)
1352	RMC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of core section of right lung at residual volume (RV)
1353	RMC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of core section of right lung at residual volume (RV)
1354	RMC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of core section of right lung at residual volume (RV)
1355	RMC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of core section of right lung at residual volume (RV)
1356	RMC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of core section of right lung at residual volume (RV)
1357	RMC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of core section of right lung at residual volume (RV)
1358	RMC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of core section of right lung at residual volume (RV)
1359	RMC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1360	RMC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of core section of right lung at residual volume (RV)
1361	RMC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of core section of right lung at residual volume (RV)
1362	RMC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of core section of right lung at residual volume (RV)
1363	RMC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of core section of right lung at residual volume (RV)
1364	RMC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of core section of right lung at residual volume (RV)
1365	RMC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of core section of right lung at residual volume (RV)
1366	RMC_MEAN	Num	8	Average pixel values within middle part of core section of right lung (HU) at residual volume (RV)
1367	RMC_MED	Num	8	Median pixel values within middle part of core section of right lung (HU) at residual volume (RV)
1368	RMC_VAR	Num	8	Variance of pixel values within middle part of core section of right lung at residual volume (RV)
1369	RMC_SD	Num	8	Standard deviation of pixel values within middle part of core section of right lung at residual volume (RV)
1370	RMC_SKEW	Num	8	Skewness of pixel values in middle part of core section of right lung at residual volume (RV)
1371	RMC_KURT	Num	8	Kurtosis of pixel values in middle part of core section of right lung at residual volume (RV)
1372	RMC_FWHM	Num	8	Full width, half max (HU) for middle part of core section of right lung at residual volume (RV)
1373	RMC_AIR_V	Num	8	Total volume of air in middle part of core section of right lung (milliliters) at residual volume (RV)
1374	RMC_TIS_V	Num	8	Total volume of tissue in middle part of core section of right lung (ml) at residual volume (RV)
1375	RMC_TOT_V	Num	8	Total volume of middle part of core section of right lung (ml) at residual volume (RV)
1376	RMC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of core section of right lung at residual volume (RV)
1377	RMC_A_SLP	Num	8	The slope of the line at the ankle for middle part of core section of right lung at residual volume (RV)
1378	RMC_A_INT	Num	8	The interecept of the line at the ankle for middle part of core section of right lung at residual volume (RV)
1379	RMC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of core section of right lung at residual volume (RV)
1380	RMC_K_SLP	Num	8	The slope of the line at the knee for middle part of core section of right lung at residual volume (RV)
1381	RMC_K_INT	Num	8	The intercept of the line at the knee for middle part of core section of right lung at residual volume (RV)
1382	RMC_C_CUTOFF_HU	Num	8	Middle part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema

Num	Variable	Type	Len	Label
1383	RMC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1384	RMC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of core section of right lung to emphysema voxels. at residual volume (RV)
1385	RMC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels. at residual volume (RV)
1386	RMC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1387	RMC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1388	RMC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1389	RMC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1390	RMC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1391	RMC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of core section of right lung at residual volume (RV)
1392	RMC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of core section of right lung at residual volume (RV)
1393	RMC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of core section of right lung at residual volume (RV)
1394	RMC_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of core section of right lung at residual volume (RV)
1395	RMC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of core section of right lung at residual volume (RV)
1396	RMP_TOT_VX	Num	8	Total number of voxels in middle part of peel section of right lung at residual volume (RV)
1397	RMP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1398	RMP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1399	RMP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1400	RMP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1401	RMP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1402	RMP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1403	RMP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1404	RMP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1405	RMP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1406	RMP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1407	RMP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1408	RMP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1409	RMP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1410	RMP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1411	RMP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1412	RMP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1413	RMP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1414	RMP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1415	RMP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1416	RMP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1417	RMP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1418	RMP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1419	RMP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1420	RMP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1421	RMP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1422	RMP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1423	RMP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1424	RMP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1425	RMP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1426	RMP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1427	RMP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1428	RMP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1429	RMP_MEAN	Num	8	Average pixel values within middle part of peel section of right lung (HU) at residual volume (RV)
1430	RMP_MED	Num	8	Median pixel values within middle part of peel section of right lung (HU) at residual volume (RV)
1431	RMP_VAR	Num	8	Variance of pixel values within middle part of peel section of right lung at residual volume (RV)
1432	RMP_SD	Num	8	Standard deviation of pixel values within middle part of peel section of right lung at residual volume (RV)
1433	RMP_SKEW	Num	8	Skewness of pixel values in middle part of peel section of right lung at residual volume (RV)
1434	RMP_KURT	Num	8	Kurtosis of pixel values in middle part of peel section of right lung at residual volume (RV)
1435	RMP_FWHM	Num	8	Full width, half max (HU) for middle part of peel section of right lung at residual volume (RV)
1436	RMP_AIR_V	Num	8	Total volume of air in middle part of peel section of right lung (milliliters) at residual volume (RV)
1437	RMP_TIS_V	Num	8	Total volume of tissue in middle part of peel section of right lung (ml) at residual volume (RV)
1438	RMP_TOT_V	Num	8	Total volume of middle part of peel section of right lung (ml) at residual volume (RV)
1439	RMP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of peel section of right lung at residual volume (RV)
1440	RMP_A_SLP	Num	8	The slope of the line at the ankle for middle part of peel section of right lung at residual volume (RV)
1441	RMP_A_INT	Num	8	The interecept of the line at the ankle for middle part of peel section of right lung at residual volume (RV)
1442	RMP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of peel section of right lung at residual volume (RV)
1443	RMP_K_SLP	Num	8	The slope of the line at the knee for middle part of peel section of right lung at residual volume (RV)
1444	RMP_K_INT	Num	8	The intercept of the line at the knee for middle part of peel section of right lung at residual volume (RV)
1445	RMP_C_CUTOFF_HU	Num	8	Middle part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1446	RMP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1447	RMP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of peel section of right lung to emphysema voxels. at residual volume (RV)
1448	RMP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels. at residual volume (RV)
1449	RMP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1450	RMP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1451	RMP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
1452	RMP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1453	RMP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1454	RMP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of peel section of right lung at residual volume (RV)
1455	RMP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of peel section of right lung at residual volume (RV)
1456	RMP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of peel section of right lung at residual volume (RV)
1457	RMP_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of peel section of right lung at residual volume (RV)
1458	RMP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of peel section of right lung at residual volume (RV)
1459	RP_TOT_VX	Num	8	Total number of voxels in peel section of right lung at residual volume (RV)
1460	RP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for peel section of right lung at residual volume (RV)
1461	RP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of right lung at residual volume (RV)
1462	RP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of right lung at residual volume (RV)
1463	RP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for peel section of right lung at residual volume (RV)
1464	RP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for peel section of right lung at residual volume (RV)
1465	RP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for peel section of right lung at residual volume (RV)
1466	RP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for peel section of right lung at residual volume (RV)
1467	RP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for peel section of right lung at residual volume (RV)
1468	RP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for peel section of right lung at residual volume (RV)
1469	RP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for peel section of right lung at residual volume (RV)
1470	RP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for peel section of right lung at residual volume (RV)
1471	RP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for peel section of right lung at residual volume (RV)
1472	RP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for peel section of right lung at residual volume (RV)
1473	RP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for peel section of right lung at residual volume (RV)
1474	RP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for peel section of right lung at residual volume (RV)
1475	RP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1476	RP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for peel section of right lung at residual volume (RV)
1477	RP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for peel section of right lung at residual volume (RV)
1478	RP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for peel section of right lung at residual volume (RV)
1479	RP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for peel section of right lung at residual volume (RV)
1480	RP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for peel section of right lung at residual volume (RV)
1481	RP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for peel section of right lung at residual volume (RV)
1482	RP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for peel section of right lung at residual volume (RV)
1483	RP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for peel section of right lung at residual volume (RV)
1484	RP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for peel section of right lung at residual volume (RV)
1485	RP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for peel section of right lung at residual volume (RV)
1486	RP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for peel section of right lung at residual volume (RV)
1487	RP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for peel section of right lung at residual volume (RV)
1488	RP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for peel section of right lung at residual volume (RV)
1489	RP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for peel section of right lung at residual volume (RV)
1490	RP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for peel section of right lung at residual volume (RV)
1491	RP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for peel section of right lung at residual volume (RV)
1492	RP_MEAN	Num	8	Average pixel values within peel section of right lung (HU) at residual volume (RV)
1493	RP_MED	Num	8	Median pixel values within peel section of right lung (HU) at residual volume (RV)
1494	RP_VAR	Num	8	Variance of pixel values within peel section of right lung at residual volume (RV)
1495	RP_SD	Num	8	Standard deviation of pixel values within peel section of right lung at residual volume (RV)
1496	RP_SKEW	Num	8	Skewness of pixel values in peel section of right lung at residual volume (RV)
1497	RP_KURT	Num	8	Kurtosis of pixel values in peel section of right lung at residual volume (RV)
1498	RP_FWHM	Num	8	Full width, half max (HU) for peel section of right lung at residual volume (RV)
1499	RP_AIR_V	Num	8	Total volume of air in peel section of right lung (milliliters) at residual volume (RV)
1500	RP_TIS_V	Num	8	Total volume of tissue in peel section of right lung (ml) at residual volume (RV)
1501	RP_TOT_V	Num	8	Total volume of peel section of right lung (ml) at residual volume (RV)
1502	RP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1503	RP_A_SLP	Num	8	The slope of the line at the ankle for peel section of right lung at residual volume (RV)
1504	RP_A_INT	Num	8	The interecept of the line at the ankle for peel section of right lung at residual volume (RV)
1505	RP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of right lung at residual volume (RV)
1506	RP_K_SLP	Num	8	The slope of the line at the knee for peel section of right lung at residual volume (RV)
1507	RP_K_INT	Num	8	The intercept of the line at the knee for peel section of right lung at residual volume (RV)
1508	RP_C_CUTOFF_HU	Num	8	Peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at residual volume (RV)
1509	RP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1510	RP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of peel section of right lung to emphysema voxels. at residual volume (RV)
1511	RP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels. at residual volume (RV)
1512	RP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1513	RP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1514	RP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1515	RP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1516	RP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1517	RP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for peel section of right lung at residual volume (RV)
1518	RP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for peel section of right lung at residual volume (RV)
1519	RP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for peel section of right lung at residual volume (RV)
1520	RP_VESSEL_VX	Num	8	Total number of vessel voxels in peel section of right lung at residual volume (RV)
1521	RP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for peel section of right lung at residual volume (RV)
1522	RU_TOT_VX	Num	8	Total number of voxels in upper part of right lung at residual volume (RV)
1523	RU_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of right lung at residual volume (RV)
1524	RU_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of right lung at residual volume (RV)
1525	RU_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of right lung at residual volume (RV)
1526	RU_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of right lung at residual volume (RV)
1527	RU_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1528	RU_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of right lung at residual volume (RV)
1529	RU_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of right lung at residual volume (RV)
1530	RU_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of right lung at residual volume (RV)
1531	RU_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of right lung at residual volume (RV)
1532	RU_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of right lung at residual volume (RV)
1533	RU_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of right lung at residual volume (RV)
1534	RU_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of right lung at residual volume (RV)
1535	RU_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of right lung at residual volume (RV)
1536	RU_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of right lung at residual volume (RV)
1537	RU_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of right lung at residual volume (RV)
1538	RU_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of right lung at residual volume (RV)
1539	RU_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of right lung at residual volume (RV)
1540	RU_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of right lung at residual volume (RV)
1541	RU_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of right lung at residual volume (RV)
1542	RU_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of right lung at residual volume (RV)
1543	RU_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of right lung at residual volume (RV)
1544	RU_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of right lung at residual volume (RV)
1545	RU_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of right lung at residual volume (RV)
1546	RU_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of right lung at residual volume (RV)
1547	RU_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of right lung at residual volume (RV)
1548	RU_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of right lung at residual volume (RV)
1549	RU_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of right lung at residual volume (RV)
1550	RU_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1551	RU_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of right lung at residual volume (RV)
1552	RU_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of right lung at residual volume (RV)
1553	RU_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of right lung at residual volume (RV)
1554	RU_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of right lung at residual volume (RV)
1555	RU_MEAN	Num	8	Average pixel values within upper part of right lung (HU) at residual volume (RV)
1556	RU_MED	Num	8	Median pixel values within upper part of right lung (HU) at residual volume (RV)
1557	RU_VAR	Num	8	Variance of pixel values within upper part of right lung at residual volume (RV)
1558	RU_SD	Num	8	Standard deviation of pixel values within upper part of right lung at residual volume (RV)
1559	RU_SKEW	Num	8	Skewness of pixel values in upper part of right lung at residual volume (RV)
1560	RU_KURT	Num	8	Kurtosis of pixel values in upper part of right lung at residual volume (RV)
1561	RU_FWHM	Num	8	Full width, half max (HU) for upper part of right lung at residual volume (RV)
1562	RU_AIR_V	Num	8	Total volume of air in upper part of right lung (milliliters) at residual volume (RV)
1563	RU_TIS_V	Num	8	Total volume of tissue in upper part of right lung (ml) at residual volume (RV)
1564	RU_TOT_V	Num	8	Total volume of upper part of right lung (ml) at residual volume (RV)
1565	RU_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of right lung at residual volume (RV)
1566	RU_A_SLP	Num	8	The slope of the line at the ankle for upper part of right lung at residual volume (RV)
1567	RU_A_INT	Num	8	The interecept of the line at the ankle for upper part of right lung at residual volume (RV)
1568	RU_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of right lung at residual volume (RV)
1569	RU_K_SLP	Num	8	The slope of the line at the knee for upper part of right lung at residual volume (RV)
1570	RU_K_INT	Num	8	The intercept of the line at the knee for upper part of right lung at residual volume (RV)
1571	RU_C_CUTOFF_HU	Num	8	Upper part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1572	RU_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1573	RU_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of right lung to emphysema voxels. at residual volume (RV)
1574	RU_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels. at residual volume (RV)
1575	RU_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1576	RU_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1577	RU_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1578	RU_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
1579	RU_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1580	RU_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of right lung at residual volume (RV)
1581	RU_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of right lung at residual volume (RV)
1582	RU_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of right lung at residual volume (RV)
1583	RU_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of right lung at residual volume (RV)
1584	RU_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of right lung at residual volume (RV)
1585	RUC_TOT_VX	Num	8	Total number of voxels in upper part of core section of right lung at residual volume (RV)
1586	RUC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of core section of right lung at residual volume (RV)
1587	RUC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of core section of right lung at residual volume (RV)
1588	RUC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of core section of right lung at residual volume (RV)
1589	RUC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of core section of right lung at residual volume (RV)
1590	RUC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of core section of right lung at residual volume (RV)
1591	RUC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of core section of right lung at residual volume (RV)
1592	RUC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of core section of right lung at residual volume (RV)
1593	RUC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of core section of right lung at residual volume (RV)
1594	RUC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of core section of right lung at residual volume (RV)
1595	RUC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of core section of right lung at residual volume (RV)
1596	RUC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of core section of right lung at residual volume (RV)
1597	RUC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of core section of right lung at residual volume (RV)
1598	RUC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of core section of right lung at residual volume (RV)
1599	RUC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of core section of right lung at residual volume (RV)
1600	RUC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of core section of right lung at residual volume (RV)
1601	RUC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of core section of right lung at residual volume (RV)
1602	RUC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1603	RUC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of core section of right lung at residual volume (RV)
1604	RUC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of core section of right lung at residual volume (RV)
1605	RUC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of core section of right lung at residual volume (RV)
1606	RUC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of core section of right lung at residual volume (RV)
1607	RUC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of core section of right lung at residual volume (RV)
1608	RUC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of core section of right lung at residual volume (RV)
1609	RUC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of core section of right lung at residual volume (RV)
1610	RUC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of core section of right lung at residual volume (RV)
1611	RUC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of core section of right lung at residual volume (RV)
1612	RUC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of core section of right lung at residual volume (RV)
1613	RUC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of core section of right lung at residual volume (RV)
1614	RUC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of core section of right lung at residual volume (RV)
1615	RUC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of core section of right lung at residual volume (RV)
1616	RUC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of core section of right lung at residual volume (RV)
1617	RUC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of core section of right lung at residual volume (RV)
1618	RUC_MEAN	Num	8	Average pixel values within upper part of core section of right lung (HU) at residual volume (RV)
1619	RUC_MED	Num	8	Median pixel values within upper part of core section of right lung (HU) at residual volume (RV)
1620	RUC_VAR	Num	8	Variance of pixel values within upper part of core section of right lung at residual volume (RV)
1621	RUC_SD	Num	8	Standard deviation of pixel values within upper part of core section of right lung at residual volume (RV)
1622	RUC_SKEW	Num	8	Skewness of pixel values in upper part of core section of right lung at residual volume (RV)
1623	RUC_KURT	Num	8	Kurtosis of pixel values in upper part of core section of right lung at residual volume (RV)
1624	RUC_FWHM	Num	8	Full width, half max (HU) for upper part of core section of right lung at residual volume (RV)
1625	RUC_AIR_V	Num	8	Total volume of air in upper part of core section of right lung (milliliters) at residual volume (RV)

Num	Variable	Type	Len	Label
1626	RUC_TIS_V	Num	8	Total volume of tissue in upper part of core section of right lung (ml) at residual volume (RV)
1627	RUC_TOT_V	Num	8	Total volume of upper part of core section of right lung (ml) at residual volume (RV)
1628	RUC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of core section of right lung at residual volume (RV)
1629	RUC_A_SLP	Num	8	The slope of the line at the ankle for upper part of core section of right lung at residual volume (RV)
1630	RUC_A_INT	Num	8	The interecept of the line at the ankle for upper part of core section of right lung at residual volume (RV)
1631	RUC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of core section of right lung at residual volume (RV)
1632	RUC_K_SLP	Num	8	The slope of the line at the knee for upper part of core section of right lung at residual volume (RV)
1633	RUC_K_INT	Num	8	The intercept of the line at the knee for upper part of core section of right lung at residual volume (RV)
1634	RUC_C_CUTOFF_HU	Num	8	Upper part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1635	RUC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1636	RUC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of core section of right lung to emphysema voxels. at residual volume (RV)
1637	RUC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels. at residual volume (RV)
1638	RUC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1639	RUC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1640	RUC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1641	RUC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1642	RUC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1643	RUC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of core section of right lung at residual volume (RV)
1644	RUC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of core section of right lung at residual volume (RV)
1645	RUC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of core section of right lung at residual volume (RV)
1646	RUC_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of core section of right lung at residual volume (RV)
1647	RUC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of core section of right lung at residual volume (RV)
1648	RUP_TOT_VX	Num	8	Total number of voxels in upper part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1649	RUP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1650	RUP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1651	RUP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1652	RUP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1653	RUP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1654	RUP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1655	RUP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1656	RUP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1657	RUP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1658	RUP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1659	RUP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1660	RUP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1661	RUP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1662	RUP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1663	RUP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1664	RUP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1665	RUP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1666	RUP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1667	RUP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1668	RUP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1669	RUP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1670	RUP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1671	RUP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1672	RUP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1673	RUP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1674	RUP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1675	RUP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1676	RUP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1677	RUP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1678	RUP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1679	RUP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1680	RUP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1681	RUP_MEAN	Num	8	Average pixel values within upper part of peel section of right lung (HU) at residual volume (RV)
1682	RUP_MED	Num	8	Median pixel values within upper part of peel section of right lung (HU) at residual volume (RV)
1683	RUP_VAR	Num	8	Variance of pixel values within upper part of peel section of right lung at residual volume (RV)
1684	RUP_SD	Num	8	Standard deviation of pixel values within upper part of peel section of right lung at residual volume (RV)
1685	RUP_SKEW	Num	8	Skewness of pixel values in upper part of peel section of right lung at residual volume (RV)
1686	RUP_KURT	Num	8	Kurtosis of pixel values in upper part of peel section of right lung at residual volume (RV)
1687	RUP_FWHM	Num	8	Full width, half max (HU) for upper part of peel section of right lung at residual volume (RV)
1688	RUP_AIR_V	Num	8	Total volume of air in upper part of peel section of right lung (milliliters) at residual volume (RV)
1689	RUP_TIS_V	Num	8	Total volume of tissue in upper part of peel section of right lung (ml) at residual volume (RV)
1690	RUP_TOT_V	Num	8	Total volume of upper part of peel section of right lung (ml) at residual volume (RV)
1691	RUP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of peel section of right lung at residual volume (RV)
1692	RUP_A_SLP	Num	8	The slope of the line at the ankle for upper part of peel section of right lung at residual volume (RV)
1693	RUP_A_INT	Num	8	The interecept of the line at the ankle for upper part of peel section of right lung at residual volume (RV)
1694	RUP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1695	RUP_K_SLP	Num	8	The slope of the line at the knee for upper part of peel section of right lung at residual volume (RV)
1696	RUP_K_INT	Num	8	The intercept of the line at the knee for upper part of peel section of right lung at residual volume (RV)
1697	RUP_C_CUTOFF_HU	Num	8	Upper part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1698	RUP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1699	RUP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of peel section of right lung to emphysema voxels. at residual volume (RV)
1700	RUP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels. at residual volume (RV)
1701	RUP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1702	RUP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1703	RUP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1704	RUP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1705	RUP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1706	RUP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of peel section of right lung at residual volume (RV)
1707	RUP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of peel section of right lung at residual volume (RV)
1708	RUP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of peel section of right lung at residual volume (RV)
1709	RUP_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of peel section of right lung at residual volume (RV)
1710	RUP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of peel section of right lung at residual volume (RV)
1711	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
1712	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
1713	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v1_ct_corepeeltlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	study visit
3	STUDY_TIME	Char	20	Time of scan - (0008,0030) StudyTime at Total Lung Capacity (TLC)
4	SERIES_NAME	Char	20	Series name - (0008,103e) SeriesDescription at Total Lung Capacity (TLC)
5	SERIES_TIME	Char	20	Time the series was reconstructed - (0008,0031) SeriesTime at Total Lung Capacity (TLC)
6	MANUFACTURER	Char	20	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	20	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	20	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	B_VXSIZE	Char	20	Volume of voxel in cubic millimeters in both lungs
10	B_TOTVX	Char	20	Total number of voxels in both lungs at Total Lung Capacity (TLC)
11	B_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for both lungs at Total Lung Capacity (TLC)
12	B_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for both lungs
13	B_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for both lungs at Total Lung Capacity (TLC)
14	B_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for both lungs
15	B_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for both lungs at Total Lung Capacity (TLC)
16	B_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for both lungs at Total Lung Capacity (TLC)
17	B_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for both lungs at Total Lung Capacity (TLC)
18	B_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for both lungs at Total Lung Capacity (TLC)
19	B_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for both lungs at Total Lung Capacity (TLC)
20	B_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for both lungs at Total Lung Capacity (TLC)
21	B_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for both lungs at Total Lung Capacity (TLC)
22	B_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for both lungs at Total Lung Capacity (TLC)
23	B_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for both lungs at Total Lung Capacity (TLC)
24	B_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for both lungs at Total Lung Capacity (TLC)
25	B_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for both lungs at Total Lung Capacity (TLC)
26	B_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
27	B_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for both lungs at Total Lung Capacity (TLC)
28	B_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for both lungs at Total Lung Capacity (TLC)
29	B_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for both lungs at Total Lung Capacity (TLC)
30	B_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for both lungs at Total Lung Capacity (TLC)
31	B_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for both lungs at Total Lung Capacity (TLC)
32	B_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for both lungs at Total Lung Capacity (TLC)
33	B_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for both lungs at Total Lung Capacity (TLC)
34	B_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for both lungs at Total Lung Capacity (TLC)
35	B_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for both lungs at Total Lung Capacity (TLC)
36	B_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for both lungs at Total Lung Capacity (TLC)
37	B_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for both lungs at Total Lung Capacity (TLC)
38	B_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for both lungs at Total Lung Capacity (TLC)
39	B_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for both lungs at Total Lung Capacity (TLC)
40	B_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for both lungs at Total Lung Capacity (TLC)
41	B_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for both lungs at Total Lung Capacity (TLC)
42	B_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for both lungs at Total Lung Capacity (TLC)
43	B_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for both lungs at Total Lung Capacity (TLC)
44	B_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for both lungs at Total Lung Capacity (TLC)
45	B_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for both lungs at Total Lung Capacity (TLC)
46	B_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for both lungs at Total Lung Capacity (TLC)
47	B_MEAN	Char	20	Average pixel values within both lungs (HU) at Total Lung Capacity (TLC)
48	B_MED	Char	20	Median pixel values within both lungs (HU) at Total Lung Capacity (TLC)
49	B_VAR	Char	20	Variance of pixel values within both lungs at Total Lung Capacity (TLC)
50	B_SDEV	Char	20	Standard deviation of pixel values within both lungs
51	B_ADEV	Char	20	Average deviation of pixel values within both lungs
52	B_SKEW	Char	20	Skewness of pixel values in both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
53	B_KURT	Char	20	Kurtosis of pixel values in both lungs at Total Lung Capacity (TLC)
54	B_FWHM	Char	20	Full width, half max (HU) for both lungs at Total Lung Capacity (TLC)
55	B_AIRV	Char	20	Total volume of air in both lungs (milliliters) at Total Lung Capacity (TLC)
56	B_TISV	Char	20	Total volume of tissue in both lungs (ml) at Total Lung Capacity (TLC)
57	B_TOTV	Char	20	Total volume of both lungs (ml) at Total Lung Capacity (TLC)
58	B_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for both lungs at Total Lung Capacity (TLC)
59	B_ASLP	Char	20	The slope of the line at the ankle for both lungs at Total Lung Capacity (TLC)
60	B_AINT	Char	20	The interecept of the line at the ankle for both lungs at Total Lung Capacity (TLC)
61	B_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for both lungs at Total Lung Capacity (TLC)
62	B_KSLP	Char	20	The slope of the line at the knee for both lungs at Total Lung Capacity (TLC)
63	B_KINT	Char	20	The intercept of the line at the knee for both lungs at Total Lung Capacity (TLC)
64	B_CCUTOFF	Char	20	Both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema
65	B_CVM	Char	20	Mean length of vectors drawn from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
66	B_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
67	B_CVXM	Char	20	The X component of the mean vector drawn from the centroid of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
68	B_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
69	B_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
70	B_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
71	B_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
72	B_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
73	B_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for both lungs at Total Lung Capacity (TLC)
74	B_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for both lungs at Total Lung Capacity (TLC)
75	B_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for both lungs at Total Lung Capacity (TLC)
76	B_AIRWAYVX	Char	20	Total number of airway voxels in both lungs
77	B_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the both lungs
78	B_VESSELVX	Char	20	Total number of vessel voxels in both lungs at Total Lung Capacity (TLC)
79	B_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for both lungs at Total Lung Capacity (TLC)
80	BC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of both lungs
81	BC_TOTVX	Char	20	Total number of voxels in core region of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
82	BC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
83	BC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section both lungs
84	BC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
85	BC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of both lungs
86	BC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
87	BC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
88	BC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
89	BC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
90	BC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
91	BC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
92	BC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
93	BC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
94	BC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
95	BC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
96	BC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
97	BC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
98	BC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
99	BC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
100	BC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
101	BC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
102	BC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
103	BC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
104	BC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
105	BC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
106	BC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
107	BC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
108	BC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
109	BC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
110	BC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
111	BC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
112	BC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
113	BC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
114	BC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
115	BC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
116	BC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
117	BC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
118	BC_MEAN	Char	20	Average pixel values within core section of both lungs (HU) at Total Lung Capacity (TLC)
119	BC_MED	Char	20	Median pixel values within core region of both lungs (HU) at Total Lung Capacity (TLC)
120	BC_VAR	Char	20	Variance of pixel values within core region of both lungs at Total Lung Capacity (TLC)
121	BC_SDEV	Char	20	Standard deviation of pixel values within core section of both lungs
122	BC_ADEV	Char	20	Average deviation of pixel values within core section of both lungs
123	BC_SKEW	Char	20	Skewness of pixel values in core region of both lungs at Total Lung Capacity (TLC)
124	BC_KURT	Char	20	Kurtosis of pixel values in core section of both lungs at Total Lung Capacity (TLC)
125	BC_FWHM	Char	20	Full width, half max (HU) for core section of both lungs at Total Lung Capacity (TLC)
126	BC_AIRV	Char	20	Total volume of air in core section of both lungs (milliliters) at Total Lung Capacity (TLC)
127	BC_TISV	Char	20	Total volume of tissue in core region of both lungs (ml) at Total Lung Capacity (TLC)
128	BC_TOTV	Char	20	Total volume of core region of both lungs (ml) at Total Lung Capacity (TLC)
129	BC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of both lungs at Total Lung Capacity (TLC)
130	BC_ASLP	Char	20	The slope of the line at the ankle for core section of both lungs at Total Lung Capacity (TLC)
131	BC_AINT	Char	20	The interecept of the line at the ankle for core section of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
132	BC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of both lungs at Total Lung Capacity (TLC)
133	BC_KSLP	Char	20	The slope of the line at the knee for core section of both lungs at Total Lung Capacity (TLC)
134	BC_KINT	Char	20	The intercept of the line at the knee for core section of both lungs at Total Lung Capacity (TLC)
135	BC_CCUTOFF	Char	20	Core section of both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema
136	BC_CVM	Char	20	Mean length of vectors drawn from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
137	BC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the core section of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
138	BC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
139	BC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
140	BC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
141	BC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
142	BC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
143	BC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
144	BC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for core section of both lungs at Total Lung Capacity (TLC)
145	BC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for core section of both lungs at Total Lung Capacity (TLC)
146	BC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for core section of both lungs at Total Lung Capacity (TLC)
147	BC_AIRWAYVX	Char	20	Total number of airway voxels in core section of both lungs
148	BC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of both lungs
149	BC_VESSELVX	Char	20	Total number of vessel voxels in core region of both lungs at Total Lung Capacity (TLC)
150	BC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for core region of both lungs at Total Lung Capacity (TLC)
151	BP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of both lungs
152	BP_TOTVX	Char	20	Total number of voxels in peel region of both lungs at Total Lung Capacity (TLC)
153	BP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
154	BP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of both lungs
155	BP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
156	BP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of both lungs

Num	Variable	Type	Len	Label
157	BP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
158	BP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
159	BP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
160	BP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
161	BP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
162	BP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
163	BP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
164	BP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
165	BP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
166	BP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
167	BP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
168	BP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
169	BP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
170	BP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
171	BP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
172	BP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
173	BP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
174	BP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
175	BP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
176	BP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
177	BP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
178	BP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
179	BP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
180	BP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
181	BP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
182	BP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
183	BP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
184	BP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
185	BP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
186	BP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
187	BP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
188	BP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
189	BP_MEAN	Char	20	Average pixel values within peel section of both lungs (HU) at Total Lung Capacity (TLC)
190	BP_MED	Char	20	Median pixel values within peel region of both lungs (HU) at Total Lung Capacity (TLC)
191	BP_VAR	Char	20	Variance of pixel values within peel region of both lungs at Total Lung Capacity (TLC)
192	BP_SDEV	Char	20	Standard deviation of pixel values within peel section of both lungs
193	BP_ADEV	Char	20	Average deviation of pixel values within peel section of both lungs
194	BP_SKEW	Char	20	Skewness of pixel values in peel region of both lungs at Total Lung Capacity (TLC)
195	BP_KURT	Char	20	Kurtosis of pixel values in peel section of both lungs at Total Lung Capacity (TLC)
196	BP_FWHM	Char	20	Full width, half max (HU) for peel section of both lungs at Total Lung Capacity (TLC)
197	BP_AIRV	Char	20	Total volume of air in peel section of both lungs (milliliters) at Total Lung Capacity (TLC)
198	BP_TISV	Char	20	Total volume of tissue in peel region of both lungs (ml) at Total Lung Capacity (TLC)
199	BP_TOTV	Char	20	Total volume of peel region of both lungs (ml) at Total Lung Capacity (TLC)
200	BP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of both lungs at Total Lung Capacity (TLC)
201	BP_ASLP	Char	20	The slope of the line at the ankle for peel section of both lungs at Total Lung Capacity (TLC)
202	BP_AINT	Char	20	The interecept of the line at the ankle for peel section of both lungs at Total Lung Capacity (TLC)
203	BP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of both lungs at Total Lung Capacity (TLC)
204	BP_KSLP	Char	20	The slope of the line at the knee for peel section of both lungs at Total Lung Capacity (TLC)
205	BP_KINT	Char	20	The intercept of the line at the knee for peel section of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
206	BP_CCUTOFF	Char	20	Peel section of both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema at Total Lung Capacity (TLC)
207	BP_CVM	Char	20	Mean length of vectors drawn from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
208	BP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the peel section of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
209	BP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
210	BP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
211	BP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
212	BP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
213	BP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
214	BP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
215	BP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for peel section of both lungs at Total Lung Capacity (TLC)
216	BP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for peel section of both lungs at Total Lung Capacity (TLC)
217	BP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for peel section of both lungs at Total Lung Capacity (TLC)
218	BP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of both lungs
219	BP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of both lungs
220	BP_VESSELVX	Char	20	Total number of vessel voxels in peel region of both lungs at Total Lung Capacity (TLC)
221	BP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for peel region of both lungs at Total Lung Capacity (TLC)
222	L_VXSIZE	Char	20	Volume of voxel in cubic millimeters in left lung
223	L_TOTVX	Char	20	Total number of voxels in left lung at Total Lung Capacity (TLC)
224	L_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for left lung at Total Lung Capacity (TLC)
225	L_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for left lung
226	L_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for left lung at Total Lung Capacity (TLC)
227	L_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for left lung
228	L_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for left lung at Total Lung Capacity (TLC)
229	L_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for left lung at Total Lung Capacity (TLC)
230	L_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for left lung at Total Lung Capacity (TLC)
231	L_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
232	L_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for left lung at Total Lung Capacity (TLC)
233	L_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for left lung at Total Lung Capacity (TLC)
234	L_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for left lung at Total Lung Capacity (TLC)
235	L_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for left lung at Total Lung Capacity (TLC)
236	L_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for left lung at Total Lung Capacity (TLC)
237	L_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for left lung at Total Lung Capacity (TLC)
238	L_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for left lung at Total Lung Capacity (TLC)
239	L_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for left lung at Total Lung Capacity (TLC)
240	L_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for left lung at Total Lung Capacity (TLC)
241	L_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for left lung at Total Lung Capacity (TLC)
242	L_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for left lung at Total Lung Capacity (TLC)
243	L_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for left lung at Total Lung Capacity (TLC)
244	L_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for left lung at Total Lung Capacity (TLC)
245	L_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for left lung at Total Lung Capacity (TLC)
246	L_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for left lung at Total Lung Capacity (TLC)
247	L_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for left lung at Total Lung Capacity (TLC)
248	L_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for left lung at Total Lung Capacity (TLC)
249	L_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for left lung at Total Lung Capacity (TLC)
250	L_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for left lung at Total Lung Capacity (TLC)
251	L_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for left lung at Total Lung Capacity (TLC)
252	L_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for left lung at Total Lung Capacity (TLC)
253	L_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for left lung at Total Lung Capacity (TLC)
254	L_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
255	L_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for left lung at Total Lung Capacity (TLC)
256	L_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for left lung at Total Lung Capacity (TLC)
257	L_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for left lung at Total Lung Capacity (TLC)
258	L_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for left lung at Total Lung Capacity (TLC)
259	L_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for left lung at Total Lung Capacity (TLC)
260	L_MEAN	Char	20	Average pixel values within left lung (HU) at Total Lung Capacity (TLC)
261	L_MED	Char	20	Median pixel values within left lung (HU) at Total Lung Capacity (TLC)
262	L_VAR	Char	20	Variance of pixel values within left lung at Total Lung Capacity (TLC)
263	L_SDEV	Char	20	Standard deviation of pixel values within left lung
264	L_ADEV	Char	20	Average deviation of pixel values within left lung
265	L_SKEW	Char	20	Skewness of pixel values in left lung at Total Lung Capacity (TLC)
266	L_KURT	Char	20	Kurtosis of pixel values in left lung at Total Lung Capacity (TLC)
267	L_FWHM	Char	20	Full width, half max (HU) for left lung at Total Lung Capacity (TLC)
268	L_AIRV	Char	20	Total volume of air in left lung (milliliters) at Total Lung Capacity (TLC)
269	L_TISV	Char	20	Total volume of tissue in left lung (ml) at Total Lung Capacity (TLC)
270	L_TOTV	Char	20	Total volume of left lung (ml) at Total Lung Capacity (TLC)
271	L_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for left lung at Total Lung Capacity (TLC)
272	L_ASLP	Char	20	The slope of the line at the ankle for left lung at Total Lung Capacity (TLC)
273	L_AINT	Char	20	The interecept of the line at the ankle for left lung at Total Lung Capacity (TLC)
274	L_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for left lung at Total Lung Capacity (TLC)
275	L_KSLP	Char	20	The slope of the line at the knee for left lung at Total Lung Capacity (TLC)
276	L_KINT	Char	20	The intercept of the line at the knee for left lung at Total Lung Capacity (TLC)
277	L_CCUTOFF	Char	20	Left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
278	L_CVM	Char	20	Mean length of vectors drawn from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
279	L_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of left lung to emphysema voxels. at Total Lung Capacity (TLC)
280	L_CVXM	Char	20	The X component of the mean vector drawn from the centroid of left lung to emphysema voxels. at Total Lung Capacity (TLC)
281	L_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
282	L_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
283	L_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
284	L_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
285	L_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
286	L_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for left lung at Total Lung Capacity (TLC)
287	L_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for left lung at Total Lung Capacity (TLC)
288	L_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for left lung at Total Lung Capacity (TLC)
289	L_AIRWAYVX	Char	20	Total number of airway voxels in left lung
290	L_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the left lung
291	L_VESSELVX	Char	20	Total number of vessel voxels in left lung at Total Lung Capacity (TLC)
292	L_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for left lung at Total Lung Capacity (TLC)
293	LC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of left lung
294	LC_TOTVX	Char	20	Total number of voxels in core section of left lung at Total Lung Capacity (TLC)
295	LC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
296	LC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of left lung
297	LC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
298	LC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of left lung
299	LC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
300	LC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
301	LC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
302	LC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
303	LC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
304	LC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
305	LC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
306	LC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
307	LC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
308	LC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
309	LC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
310	LC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
311	LC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
312	LC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
313	LC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
314	LC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
315	LC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
316	LC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
317	LC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
318	LC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
319	LC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
320	LC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
321	LC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
322	LC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
323	LC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
324	LC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
325	LC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
326	LC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
327	LC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
328	LC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
329	LC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
330	LC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
331	LC_MEAN	Char	20	Average pixel values within core section of left lung (HU) at Total Lung Capacity (TLC)
332	LC_MED	Char	20	Median pixel values within of core section of left lung (HU) at Total Lung Capacity (TLC)
333	LC_VAR	Char	20	Variance of pixel values within core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
334	LC_SDEV	Char	20	Standard deviation of pixel values within core section of left lung
335	LC_ADEV	Char	20	Average deviation of pixel values within core section of left lung
336	LC_SKEW	Char	20	Skewness of pixel values in core section of left lung at Total Lung Capacity (TLC)
337	LC_KURT	Char	20	Kurtosis of pixel values in core section of left lung at Total Lung Capacity (TLC)
338	LC_FWHM	Char	20	Full width, half max (HU) for core section of left lung at Total Lung Capacity (TLC)
339	LC_AIRV	Char	20	Total volume of air in core section of left lung (milliliters) at Total Lung Capacity (TLC)
340	LC_TISV	Char	20	Total volume of tissue in core section of left lung (ml) at Total Lung Capacity (TLC)
341	LC_TOTV	Char	20	Total volume of core section of left lung (ml) at Total Lung Capacity (TLC)
342	LC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of left lung at Total Lung Capacity (TLC)
343	LC_ASLP	Char	20	The slope of the line at the ankle for core section of left lung at Total Lung Capacity (TLC)
344	LC_AINT	Char	20	The interecept of the line at the ankle for core section of left lung at Total Lung Capacity (TLC)
345	LC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of left lung at Total Lung Capacity (TLC)
346	LC_KSLP	Char	20	The slope of the line at the knee for core section of left lung at Total Lung Capacity (TLC)
347	LC_KINT	Char	20	The intercept of the line at the knee for core section of left lung at Total Lung Capacity (TLC)
348	LC_CCUTOFF	Char	20	Core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
349	LC_CVM	Char	20	Mean length of vectors drawn from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
350	LC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
351	LC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
352	LC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
353	LC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
354	LC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
355	LC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
356	LC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
357	LC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for core section of left lung at Total Lung Capacity (TLC)
358	LC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for core section of left lung at Total Lung Capacity (TLC)
359	LC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
360	LC_AIRWAYVX	Char	20	Total number of airway voxels in the core section of left lung
361	LC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of left lung
362	LC_VESSELVX	Char	20	Total number of vessel voxels in core section of left lung at Total Lung Capacity (TLC)
363	LC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) core section of left lung at Total Lung Capacity (TLC)
364	LP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of left lung
365	LP_TOTVX	Char	20	Total number of voxels in peel section of left lung at Total Lung Capacity (TLC)
366	LP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
367	LP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of left lung
368	LP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
369	LP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of left lung
370	LP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
371	LP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
372	LP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
373	LP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
374	LP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
375	LP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
376	LP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
377	LP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
378	LP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
379	LP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
380	LP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
381	LP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
382	LP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
383	LP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
384	LP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
385	LP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
386	LP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
387	LP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
388	LP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
389	LP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
390	LP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
391	LP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
392	LP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
393	LP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
394	LP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
395	LP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
396	LP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
397	LP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
398	LP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
399	LP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
400	LP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
401	LP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
402	LP_MEAN	Char	20	Average pixel values within peel section of left lung (HU) at Total Lung Capacity (TLC)
403	LP_MED	Char	20	Median pixel values within peel section of left lung (HU) at Total Lung Capacity (TLC)
404	LP_VAR	Char	20	Variance of pixel values within peel section of left lung at Total Lung Capacity (TLC)
405	LP_SDEV	Char	20	Standard deviation of pixel values within peel section of left lung
406	LP_ADEV	Char	20	Average deviation of pixel values within peel section of left lung
407	LP_SKEW	Char	20	Skewness of pixel values in peel section of left lung at Total Lung Capacity (TLC)
408	LP_KURT	Char	20	Kurtosis of pixel values in peel section of left lung at Total Lung Capacity (TLC)
409	LP_FWHM	Char	20	Full width, half max (HU) for peel section of left lung at Total Lung Capacity (TLC)
410	LP_AIRV	Char	20	Total volume of air in peel section of left lung (milliliters) at Total Lung Capacity (TLC)
411	LP_TISV	Char	20	Total volume of tissue in peel section of left lung (ml) at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
412	LP_TOTV	Char	20	Total volume of peel section of left lung (ml) at Total Lung Capacity (TLC)
413	LP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of left lung at Total Lung Capacity (TLC)
414	LP_ASLP	Char	20	The slope of the line at the ankle for peel section of left lung at Total Lung Capacity (TLC)
415	LP_AINT	Char	20	The interecept of the line at the ankle for peel section of left lung at Total Lung Capacity (TLC)
416	LP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of left lung at Total Lung Capacity (TLC)
417	LP_KSLP	Char	20	The slope of the line at the knee for peel section of left lung at Total Lung Capacity (TLC)
418	LP_KINT	Char	20	The intercept of the line at the knee for peel section of left lung at Total Lung Capacity (TLC)
419	LP_CCUTOFF	Char	20	Peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at Total Lung Capacity (TLC)
420	LP_CVM	Char	20	Mean length of vectors drawn from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
421	LP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
422	LP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
423	LP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
424	LP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
425	LP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
426	LP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
427	LP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
428	LP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for peel section of left lung at Total Lung Capacity (TLC)
429	LP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for peel section of left lung at Total Lung Capacity (TLC)
430	LP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for peel section of left lung at Total Lung Capacity (TLC)
431	LP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of left lung
432	LP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of left lung
433	LP_VESSELVX	Char	20	Total number of vessel voxels in peel section of left lung at Total Lung Capacity (TLC)
434	LP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for peel section of left lung at Total Lung Capacity (TLC)
435	LU_VXSIZE	Char	20	Volume of voxel in cubic millimeters in upper left lung
436	LU_TOTVX	Char	20	Total number of voxels in upper part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
437	LU_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
438	LU_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper left lung
439	LU_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
440	LU_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper left lung
441	LU_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
442	LU_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
443	LU_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
444	LU_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
445	LU_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
446	LU_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
447	LU_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
448	LU_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
449	LU_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
450	LU_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
451	LU_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
452	LU_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
453	LU_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
454	LU_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
455	LU_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
456	LU_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
457	LU_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
458	LU_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
459	LU_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
460	LU_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
461	LU_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
462	LU_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
463	LU_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
464	LU_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
465	LU_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
466	LU_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
467	LU_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
468	LU_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
469	LU_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
470	LU_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
471	LU_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
472	LU_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
473	LU_MEAN	Char	20	Average pixel values within upper part of left lung (HU) at Total Lung Capacity (TLC)
474	LU_MED	Char	20	Median pixel values within upper part of left lung (HU) at Total Lung Capacity (TLC)
475	LU_VAR	Char	20	Variance of pixel values within upper part of left lung at Total Lung Capacity (TLC)
476	LU_SDEV	Char	20	Standard deviation of pixel values within upper left lung
477	LU_ADEV	Char	20	Average deviation of pixel values within upper left lung
478	LU_SKEW	Char	20	Skewness of pixel values in upper part of left lung at Total Lung Capacity (TLC)
479	LU_KURT	Char	20	Kurtosis of pixel values in upper part of left lung at Total Lung Capacity (TLC)
480	LU_FWHM	Char	20	Full width, half max (HU) for upper part of left lung at Total Lung Capacity (TLC)
481	LU_AIRV	Char	20	Total volume of air in upper part of left lung (milliliters) at Total Lung Capacity (TLC)
482	LU_TISV	Char	20	Total volume of tissue in upper part of left lung (ml) at Total Lung Capacity (TLC)
483	LU_TOTV	Char	20	Total volume of upper part of left lung (ml) at Total Lung Capacity (TLC)
484	LU_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of left lung at Total Lung Capacity (TLC)
485	LU_ASLP	Char	20	The slope of the line at the ankle for upper part of left lung at Total Lung Capacity (TLC)
486	LU_AINT	Char	20	The interecept of the line at the ankle for upper part of left lung at Total Lung Capacity (TLC)
487	LU_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
488	LU_KSLP	Char	20	The slope of the line at the knee for upper part of left lung at Total Lung Capacity (TLC)
489	LU_KINT	Char	20	The intercept of the line at the knee for upper part of left lung at Total Lung Capacity (TLC)
490	LU_CCUTOFF	Char	20	Upper part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
491	LU_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
492	LU_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of left lung to emphysema voxels. at Total Lung Capacity (TLC)
493	LU_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels. at Total Lung Capacity (TLC)
494	LU_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
495	LU_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
496	LU_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
497	LU_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
498	LU_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
499	LU_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of left lung at Total Lung Capacity (TLC)
500	LU_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of left lung at Total Lung Capacity (TLC)
501	LU_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of left lung at Total Lung Capacity (TLC)
502	LU_AIRWAYVX	Char	20	Total number of airway voxels in upper left lung
503	LU_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the upper left lung
504	LU_VESSELVX	Char	20	Total number of vessel voxels in upper part of left lung at Total Lung Capacity (TLC)
505	LU_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of left lung at Total Lung Capacity (TLC)
506	LUC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of upper left lung
507	LUC_TOTVX	Char	20	Total number of voxels in upper part of core section of left lung at Total Lung Capacity (TLC)
508	LUC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
509	LUC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of upper left lung
510	LUC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
511	LUC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of upper left lung
512	LUC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
513	LUC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
514	LUC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
515	LUC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
516	LUC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
517	LUC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
518	LUC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
519	LUC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
520	LUC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
521	LUC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
522	LUC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
523	LUC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
524	LUC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
525	LUC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
526	LUC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
527	LUC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
528	LUC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
529	LUC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
530	LUC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
531	LUC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
532	LUC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
533	LUC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
534	LUC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
535	LUC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
536	LUC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
537	LUC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
538	LUC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
539	LUC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
540	LUC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
541	LUC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
542	LUC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
543	LUC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
544	LUC_MEAN	Char	20	Average pixel values within upper part of core section of left lung (HU) at Total Lung Capacity (TLC)
545	LUC_MED	Char	20	Median pixel values within upper part of core section of left lung (HU) at Total Lung Capacity (TLC)
546	LUC_VAR	Char	20	Variance of pixel values within upper part of core section of left lung at Total Lung Capacity (TLC)
547	LUC_SDEV	Char	20	Standard deviation of pixel values within core section of upper left lung
548	LUC_ADEV	Char	20	Average deviation of pixel values within core section of upper left lung
549	LUC_SKEW	Char	20	Skewness of pixel values in upper part of core section of left lung at Total Lung Capacity (TLC)
550	LUC_KURT	Char	20	Kurtosis of pixel values in upper part of core section of left lung at Total Lung Capacity (TLC)
551	LUC_FWHM	Char	20	Full width, half max (HU) for upper part of core section of left lung at Total Lung Capacity (TLC)
552	LUC_AIRV	Char	20	Total volume of air in upper part of core section of left lung (milliliters) at Total Lung Capacity (TLC)
553	LUC_TISV	Char	20	Total volume of tissue in upper part of core section of left lung (ml) at Total Lung Capacity (TLC)
554	LUC_TOTV	Char	20	Total volume of upper part of core section of left lung (ml) at Total Lung Capacity (TLC)
555	LUC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of core section of left lung at Total Lung Capacity (TLC)
556	LUC_ASLP	Char	20	The slope of the line at the ankle for upper part of core section of left lung at Total Lung Capacity (TLC)
557	LUC_AINT	Char	20	The interecept of the line at the ankle for upper part of core section of left lung at Total Lung Capacity (TLC)
558	LUC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of core section of left lung at Total Lung Capacity (TLC)
559	LUC_KSLP	Char	20	The slope of the line at the knee for upper part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
560	LUC_KINT	Char	20	The intercept of the line at the knee for upper part of core section of left lung at Total Lung Capacity (TLC)
561	LUC_CCUTOFF	Char	20	Upper part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
562	LUC_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
563	LUC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
564	LUC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
565	LUC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
566	LUC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
567	LUC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
568	LUC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
569	LUC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
570	LUC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of core section of left lung at Total Lung Capacity (TLC)
571	LUC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of core section of left lung at Total Lung Capacity (TLC)
572	LUC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of core section of left lung at Total Lung Capacity (TLC)
573	LUC_AIRWAYVX	Char	20	Total number of airway voxels in core section of upper left lung
574	LUC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of upper left lung
575	LUC_VESSELVX	Char	20	Total number of vessel voxels in upper part of core section of left lung at Total Lung Capacity (TLC)
576	LUC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of core section of left lung at Total Lung Capacity (TLC)
577	LUP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of upper left lung
578	LUP_TOTVX	Char	20	Total number of voxels in upper part of peel section of left lung at Total Lung Capacity (TLC)
579	LUP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
580	LUP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of upper left lung
581	LUP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
582	LUP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of upper left lung
583	LUP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
584	LUP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
585	LUP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
586	LUP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
587	LUP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
588	LUP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
589	LUP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
590	LUP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
591	LUP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
592	LUP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
593	LUP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
594	LUP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
595	LUP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
596	LUP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
597	LUP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
598	LUP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
599	LUP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
600	LUP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
601	LUP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
602	LUP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
603	LUP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
604	LUP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
605	LUP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
606	LUP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
607	LUP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
608	LUP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
609	LUP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
610	LUP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
611	LUP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
612	LUP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
613	LUP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
614	LUP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
615	LUP_MEAN	Char	20	Average pixel values within upper part of peel section of left lung (HU) at Total Lung Capacity (TLC)
616	LUP_MED	Char	20	Median pixel values within upper part of peel section of left lung (HU) at Total Lung Capacity (TLC)
617	LUP_VAR	Char	20	Variance of pixel values within upper part of peel section of left lung at Total Lung Capacity (TLC)
618	LUP_SDEV	Char	20	Standard deviation of pixel values within peel section of upper left lung
619	LUP_ADEV	Char	20	Average deviation of pixel values within peel section of upper left lung
620	LUP_SKEW	Char	20	Skewness of pixel values in upper part of peel section of left lung at Total Lung Capacity (TLC)
621	LUP_KURT	Char	20	Kurtosis of pixel values in upper part of peel section of left lung at Total Lung Capacity (TLC)
622	LUP_FWHM	Char	20	Full width, half max (HU) for upper part of peel section of left lung at Total Lung Capacity (TLC)
623	LUP_AIRV	Char	20	Total volume of air in upper part of peel section of left lung (milliliters) at Total Lung Capacity (TLC)
624	LUP_TISV	Char	20	Total volume of tissue in upper part of peel section of left lung (ml) at Total Lung Capacity (TLC)
625	LUP_TOTV	Char	20	Total volume of upper part of peel section of left lung (ml) at Total Lung Capacity (TLC)
626	LUP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of peel section of left lung at Total Lung Capacity (TLC)
627	LUP_ASLP	Char	20	The slope of the line at the ankle for upper part of peel section of left lung at Total Lung Capacity (TLC)
628	LUP_AINT	Char	20	The interecept of the line at the ankle for upper part of peel section of left lung at Total Lung Capacity (TLC)
629	LUP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of peel section of left lung at Total Lung Capacity (TLC)
630	LUP_KSLP	Char	20	The slope of the line at the knee for upper part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
631	LUP_KINT	Char	20	The intercept of the line at the knee for upper part of peel section of left lung at Total Lung Capacity (TLC)
632	LUP_CCUTOFF	Char	20	Upper part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
633	LUP_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
634	LUP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
635	LUP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
636	LUP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
637	LUP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
638	LUP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
639	LUP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
640	LUP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
641	LUP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of peel section of left lung at Total Lung Capacity (TLC)
642	LUP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of peel section of left lung at Total Lung Capacity (TLC)
643	LUP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of peel section of left lung at Total Lung Capacity (TLC)
644	LUP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of upper left lung
645	LUP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of upper left lung
646	LUP_VESSELVX	Char	20	Total number of vessel voxels in upper part of peel section of left lung at Total Lung Capacity (TLC)
647	LUP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of peel section of left lung at Total Lung Capacity (TLC)
648	LL_VXSIZE	Char	20	Volume of voxel in cubic millimeters in lower left lung
649	LL_TOTVX	Char	20	Total number of voxels in lower part of left lung at Total Lung Capacity (TLC)
650	LL_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
651	LL_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower left lung
652	LL_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
653	LL_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower left lung
654	LL_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
655	LL_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
656	LL_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
657	LL_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
658	LL_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
659	LL_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
660	LL_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
661	LL_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
662	LL_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
663	LL_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
664	LL_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
665	LL_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
666	LL_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
667	LL_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
668	LL_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
669	LL_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
670	LL_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
671	LL_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
672	LL_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
673	LL_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
674	LL_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
675	LL_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
676	LL_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
677	LL_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
678	LL_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
679	LL_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
680	LL_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
681	LL_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
682	LL_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
683	LL_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
684	LL_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
685	LL_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
686	LL_MEAN	Char	20	Average pixel values within lower part of left lung (HU) at Total Lung Capacity (TLC)
687	LL_MED	Char	20	Median pixel values within lower part of left lung (HU) at Total Lung Capacity (TLC)
688	LL_VAR	Char	20	Variance of pixel values within lower part of left lung at Total Lung Capacity (TLC)
689	LL_SDEV	Char	20	Standard deviation of pixel values within lower left lung
690	LL_ADEV	Char	20	Average deviation of pixel values within lower left lung
691	LL_SKEW	Char	20	Skewness of pixel values in lower part of left lung at Total Lung Capacity (TLC)
692	LL_KURT	Char	20	Kurtosis of pixel values in lower part of left lung at Total Lung Capacity (TLC)
693	LL_FWHM	Char	20	Full width, half max (HU) for lower part of left lung at Total Lung Capacity (TLC)
694	LL_AIRV	Char	20	Total volume of air in lower part of left lung (milliliters) at Total Lung Capacity (TLC)
695	LL_TISV	Char	20	Total volume of tissue in lower part of left lung (ml) at Total Lung Capacity (TLC)
696	LL_TOTV	Char	20	Total volume of lower part of left lung (ml) at Total Lung Capacity (TLC)
697	LL_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of left lung at Total Lung Capacity (TLC)
698	LL_ASLP	Char	20	The slope of the line at the ankle for lower part of left lung at Total Lung Capacity (TLC)
699	LL_AINT	Char	20	The interecept of the line at the ankle for lower part of left lung at Total Lung Capacity (TLC)
700	LL_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of left lung at Total Lung Capacity (TLC)
701	LL_KSLP	Char	20	The slope of the line at the knee for lower part of left lung at Total Lung Capacity (TLC)
702	LL_KINT	Char	20	The intercept of the line at the knee for lower part of left lung at Total Lung Capacity (TLC)
703	LL_CCUTOFF	Char	20	Lower part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
704	LL_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
705	LL_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of left lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
706	LL_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels. at Total Lung Capacity (TLC)
707	LL_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
708	LL_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
709	LL_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
710	LL_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
711	LL_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
712	LL_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of left lung at Total Lung Capacity (TLC)
713	LL_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of left lung at Total Lung Capacity (TLC)
714	LL_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of left lung at Total Lung Capacity (TLC)
715	LL_AIRWAYVX	Char	20	Total number of airway voxels in lower left lung
716	LL_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the lower left lung
717	LL_VESSELVX	Char	20	Total number of vessel voxels in lower part of left lung at Total Lung Capacity (TLC)
718	LL_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of left lung at Total Lung Capacity (TLC)
719	LLC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of the lower left lung
720	LLC_TOTVX	Char	20	Total number of voxels in lower part of core section of left lung at Total Lung Capacity (TLC)
721	LLC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
722	LLC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of lower left lung
723	LLC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
724	LLC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of lower left lung
725	LLC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
726	LLC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
727	LLC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
728	LLC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
729	LLC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
730	LLC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
731	LLC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
732	LLC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
733	LLC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
734	LLC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
735	LLC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
736	LLC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
737	LLC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
738	LLC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
739	LLC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
740	LLC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
741	LLC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
742	LLC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
743	LLC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
744	LLC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
745	LLC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
746	LLC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
747	LLC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
748	LLC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
749	LLC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
750	LLC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
751	LLC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
752	LLC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
753	LLC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
754	LLC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
755	LLC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
756	LLC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
757	LLC_MEAN	Char	20	Average pixel values within lower part of core section of left lung (HU) at Total Lung Capacity (TLC)
758	LLC_MED	Char	20	Median pixel values within of lower part of core section of left lung (HU) at Total Lung Capacity (TLC)
759	LLC_VAR	Char	20	Variance of pixel values within lower part of core section of left lung at Total Lung Capacity (TLC)
760	LLC_SDEV	Char	20	Standard deviation of pixel values within core section of the lower left lung
761	LLC_ADEV	Char	20	Average deviation of pixel values within core section of the lower left lung
762	LLC_SKEW	Char	20	Skewness of pixel values in lower part of core section of left lung at Total Lung Capacity (TLC)
763	LLC_KURT	Char	20	Kurtosis of pixel values in lower part of core section of left lung at Total Lung Capacity (TLC)
764	LLC_FWHM	Char	20	Full width, half max (HU) for lower part of core section of left lung at Total Lung Capacity (TLC)
765	LLC_AIRV	Char	20	Total volume of air in lower part of core section of left lung (milliliters) at Total Lung Capacity (TLC)
766	LLC_TISV	Char	20	Total volume of tissue in lower part of core section of left lung (ml) at Total Lung Capacity (TLC)
767	LLC_TOTV	Char	20	Total volume of lower part of core section of left lung (ml) at Total Lung Capacity (TLC)
768	LLC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of core section of left lung at Total Lung Capacity (TLC)
769	LLC_ASLP	Char	20	The slope of the line at the ankle for lower part of core section of left lung at Total Lung Capacity (TLC)
770	LLC_AINT	Char	20	The interecept of the line at the ankle for lower part of core section of left lung at Total Lung Capacity (TLC)
771	LLC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of core section of left lung at Total Lung Capacity (TLC)
772	LLC_KSLP	Char	20	The slope of the line at the knee for lower part of core section of left lung at Total Lung Capacity (TLC)
773	LLC_KINT	Char	20	The intercept of the line at the knee for lower part of core section of left lung at Total Lung Capacity (TLC)
774	LLC_CCUTOFF	Char	20	Lower part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
775	LLC_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
776	LLC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
777	LLC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
778	LLC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
779	LLC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
780	LLC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
781	LLC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
782	LLC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
783	LLC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of core section of left lung at Total Lung Capacity (TLC)
784	LLC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of core section of left lung at Total Lung Capacity (TLC)
785	LLC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of core section of left lung at Total Lung Capacity (TLC)
786	LLC_AIRWAYVX	Char	20	Total number of airway voxels in core section of the lower left lung
787	LLC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of the lower left lung
788	LLC_VESSELVX	Char	20	Total number of vessel voxels in lower part of core section of left lung at Total Lung Capacity (TLC)
789	LLC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) lower part of core section of left lung at Total Lung Capacity (TLC)
790	LLP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of the lower left lung
791	LLP_TOTVX	Char	20	Total number of voxels in lower part of peel section of left lung at Total Lung Capacity (TLC)
792	LLP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
793	LLP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of lower left lung
794	LLP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
795	LLP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of lower left lung
796	LLP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
797	LLP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
798	LLP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
799	LLP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
800	LLP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
801	LLP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
802	LLP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
803	LLP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
804	LLP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
805	LLP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
806	LLP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
807	LLP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
808	LLP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
809	LLP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
810	LLP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
811	LLP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
812	LLP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
813	LLP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
814	LLP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
815	LLP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
816	LLP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
817	LLP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
818	LLP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
819	LLP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
820	LLP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
821	LLP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
822	LLP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
823	LLP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
824	LLP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
825	LLP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
826	LLP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
827	LLP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
828	LLP_MEAN	Char	20	Average pixel values within lower part of peel section of left lung (HU) at Total Lung Capacity (TLC)
829	LLP_MED	Char	20	Median pixel values within lower part of peel section of left lung (HU) at Total Lung Capacity (TLC)
830	LLP_VAR	Char	20	Variance of pixel values within lower part of peel section of left lung at Total Lung Capacity (TLC)
831	LLP_SDEV	Char	20	Standard deviation of pixel values within peel section of the lower left lung
832	LLP_ADEV	Char	20	Average deviation of pixel values within peel section of the lower left lung
833	LLP_SKEW	Char	20	Skewness of pixel values in lower part of peel section of left lung at Total Lung Capacity (TLC)
834	LLP_KURT	Char	20	Kurtosis of pixel values in lower part of peel section of left lung at Total Lung Capacity (TLC)
835	LLP_FWHM	Char	20	Full width, half max (HU) for lower part of peel section of left lung at Total Lung Capacity (TLC)
836	LLP_AIRV	Char	20	Total volume of air in lower part of peel section of left lung (milliliters) at Total Lung Capacity (TLC)
837	LLP_TISV	Char	20	Total volume of tissue in lower part of peel section of left lung (ml) at Total Lung Capacity (TLC)
838	LLP_TOTV	Char	20	Total volume of lower part of peel section of left lung (ml) at Total Lung Capacity (TLC)
839	LLP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of peel section of left lung at Total Lung Capacity (TLC)
840	LLP_ASLP	Char	20	The slope of the line at the ankle for lower part of peel section of left lung at Total Lung Capacity (TLC)
841	LLP_AINT	Char	20	The interecept of the line at the ankle for lower part of peel section of left lung at Total Lung Capacity (TLC)
842	LLP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of peel section of left lung at Total Lung Capacity (TLC)
843	LLP_KSLP	Char	20	The slope of the line at the knee for lower part of peel section of left lung at Total Lung Capacity (TLC)
844	LLP_KINT	Char	20	The intercept of the line at the knee for lower part of peel section of left lung at Total Lung Capacity (TLC)
845	LLP_CCUTOFF	Char	20	Lower part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
846	LLP_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
847	LLP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
848	LLP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
849	LLP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
850	LLP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
851	LLP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
852	LLP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
853	LLP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
854	LLP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of peel section of left lung at Total Lung Capacity (TLC)
855	LLP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of peel section of left lung at Total Lung Capacity (TLC)
856	LLP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of peel section of left lung at Total Lung Capacity (TLC)
857	LLP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of the lower left lung
858	LLP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of the lower left lung
859	LLP_VESSELVX	Char	20	Total number of vessel voxels in lower part of peel section of left lung at Total Lung Capacity (TLC)
860	LLP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of peel section of left lung at Total Lung Capacity (TLC)
861	R_VXSIZE	Char	20	Volume of voxel in cubic millimeters in right lung
862	R_TOTVX	Char	20	Total number of voxels in right lung at Total Lung Capacity (TLC)
863	R_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for right lung at Total Lung Capacity (TLC)
864	R_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for right lung
865	R_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for right lung at Total Lung Capacity (TLC)
866	R_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for right lung
867	R_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for right lung at Total Lung Capacity (TLC)
868	R_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for right lung at Total Lung Capacity (TLC)
869	R_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for right lung at Total Lung Capacity (TLC)
870	R_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for right lung at Total Lung Capacity (TLC)
871	R_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for right lung at Total Lung Capacity (TLC)
872	R_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for right lung at Total Lung Capacity (TLC)
873	R_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
874	R_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for right lung at Total Lung Capacity (TLC)
875	R_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for right lung at Total Lung Capacity (TLC)
876	R_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for right lung at Total Lung Capacity (TLC)
877	R_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for right lung at Total Lung Capacity (TLC)
878	R_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for right lung at Total Lung Capacity (TLC)
879	R_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for right lung at Total Lung Capacity (TLC)
880	R_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for right lung at Total Lung Capacity (TLC)
881	R_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for right lung at Total Lung Capacity (TLC)
882	R_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for right lung at Total Lung Capacity (TLC)
883	R_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for right lung at Total Lung Capacity (TLC)
884	R_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for right lung at Total Lung Capacity (TLC)
885	R_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for right lung at Total Lung Capacity (TLC)
886	R_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for right lung at Total Lung Capacity (TLC)
887	R_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for right lung at Total Lung Capacity (TLC)
888	R_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for right lung at Total Lung Capacity (TLC)
889	R_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for right lung at Total Lung Capacity (TLC)
890	R_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for right lung at Total Lung Capacity (TLC)
891	R_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for right lung at Total Lung Capacity (TLC)
892	R_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for right lung at Total Lung Capacity (TLC)
893	R_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for right lung at Total Lung Capacity (TLC)
894	R_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for right lung at Total Lung Capacity (TLC)
895	R_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for right lung at Total Lung Capacity (TLC)
896	R_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
897	R_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for right lung at Total Lung Capacity (TLC)
898	R_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for right lung at Total Lung Capacity (TLC)
899	R_MEAN	Char	20	Average pixel values within right lung (HU) at Total Lung Capacity (TLC)
900	R_MED	Char	20	Median pixel values within right lung (HU) at Total Lung Capacity (TLC)
901	R_VAR	Char	20	Variance of pixel values within right lung at Total Lung Capacity (TLC)
902	R_SDEV	Char	20	Standard deviation of pixel values within right lung
903	R_ADEV	Char	20	Average deviation of pixel values within right lung
904	R_SKEW	Char	20	Skewness of pixel values in right lung at Total Lung Capacity (TLC)
905	R_KURT	Char	20	Kurtosis of pixel values in right lung at Total Lung Capacity (TLC)
906	R_FWHM	Char	20	Full width, half max (HU) for right lung at Total Lung Capacity (TLC)
907	R_AIRV	Char	20	Total volume of air in right lung (milliliters) at Total Lung Capacity (TLC)
908	R_TISV	Char	20	Total volume of tissue in right lung (ml) at Total Lung Capacity (TLC)
909	R_TOTV	Char	20	Total volume of right lung (ml) at Total Lung Capacity (TLC)
910	R_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for right lung at Total Lung Capacity (TLC)
911	R_ASLP	Char	20	The slope of the line at the ankle for right lung at Total Lung Capacity (TLC)
912	R_AINT	Char	20	The interecept of the line at the ankle for right lung at Total Lung Capacity (TLC)
913	R_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for right lung at Total Lung Capacity (TLC)
914	R_KSLP	Char	20	The slope of the line at the knee for right lung at Total Lung Capacity (TLC)
915	R_KINT	Char	20	The intercept of the line at the knee for right lung at Total Lung Capacity (TLC)
916	R_CCUTOFF	Char	20	Right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at Total Lung Capacity (TLC)
917	R_CVM	Char	20	Mean length of vectors drawn from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
918	R_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of right lung to emphysema voxels. at Total Lung Capacity (TLC)
919	R_CVXM	Char	20	The X component of the mean vector drawn from the centroid of right lung to emphysema voxels. at Total Lung Capacity (TLC)
920	R_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
921	R_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
922	R_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
923	R_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
924	R_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
925	R_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
926	R_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for right lung at Total Lung Capacity (TLC)
927	R_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for right lung at Total Lung Capacity (TLC)
928	R_AIRWAYVX	Char	20	Total number of airway voxels in right lung
929	R_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in right lung
930	R_VESSELVX	Char	20	Total number of vessel voxels in right lung at Total Lung Capacity (TLC)
931	R_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for right lung at Total Lung Capacity (TLC)
932	RC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of right lung
933	RC_TOTVX	Char	20	Total number of voxels in core section of right lung at Total Lung Capacity (TLC)
934	RC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
935	RC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of right lung
936	RC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
937	RC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of right lung
938	RC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
939	RC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
940	RC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
941	RC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
942	RC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
943	RC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
944	RC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
945	RC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
946	RC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
947	RC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
948	RC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
949	RC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
950	RC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
951	RC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
952	RC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
953	RC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
954	RC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
955	RC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
956	RC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
957	RC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
958	RC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
959	RC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
960	RC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
961	RC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
962	RC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
963	RC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
964	RC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
965	RC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
966	RC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
967	RC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
968	RC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
969	RC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
970	RC_MEAN	Char	20	Average pixel values within core section of right lung (HU) at Total Lung Capacity (TLC)
971	RC_MED	Char	20	Median pixel values within core section of right lung (HU) at Total Lung Capacity (TLC)
972	RC_VAR	Char	20	Variance of pixel values within core section of right lung at Total Lung Capacity (TLC)
973	RC_SDEV	Char	20	Standard deviation of pixel values within core section of right lung
974	RC_ADEV	Char	20	Average deviation of pixel values within core section of right lung
975	RC_SKEW	Char	20	Skewness of pixel values in core section of right lung at Total Lung Capacity (TLC)
976	RC_KURT	Char	20	Kurtosis of pixel values in core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
977	RC_FWHM	Char	20	Full width, half max (HU) for core section of right lung at Total Lung Capacity (TLC)
978	RC_AIRV	Char	20	Total volume of air in core section of right lung (milliliters) at Total Lung Capacity (TLC)
979	RC_TISV	Char	20	Total volume of tissue in core section of right lung (ml) at Total Lung Capacity (TLC)
980	RC_TOTV	Char	20	Total volume of core section of right lung (ml) at Total Lung Capacity (TLC)
981	RC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of right lung at Total Lung Capacity (TLC)
982	RC_ASLP	Char	20	The slope of the line at the ankle for core section of right lung at Total Lung Capacity (TLC)
983	RC_AINT	Char	20	The interecept of the line at the ankle for core section of right lung at Total Lung Capacity (TLC)
984	RC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of right lung at Total Lung Capacity (TLC)
985	RC_KSLP	Char	20	The slope of the line at the knee for core section of right lung at Total Lung Capacity (TLC)
986	RC_KINT	Char	20	The intercept of the line at the knee for core section of right lung at Total Lung Capacity (TLC)
987	RC_CCUTOFF	Char	20	Core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
988	RC_CVM	Char	20	Mean length of vectors drawn from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
989	RC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
990	RC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
991	RC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
992	RC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
993	RC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
994	RC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
995	RC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
996	RC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for core section of right lung at Total Lung Capacity (TLC)
997	RC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for core section of right lung at Total Lung Capacity (TLC)
998	RC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for core section of right lung at Total Lung Capacity (TLC)
999	RC_AIRWAYVX	Char	20	Total number of airway voxels in core section of right lung
1000	RC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of right lung
1001	RC_VESSELVX	Char	20	Total number of vessel voxels in core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1002	RC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for core section of right lung at Total Lung Capacity (TLC)
1003	RP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of right lung
1004	RP_TOTVX	Char	20	Total number of voxels in peel section of right lung at Total Lung Capacity (TLC)
1005	RP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1006	RP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of right lung
1007	RP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1008	RP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of right lung
1009	RP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1010	RP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1011	RP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1012	RP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1013	RP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1014	RP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1015	RP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1016	RP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1017	RP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1018	RP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1019	RP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1020	RP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1021	RP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1022	RP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1023	RP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1024	RP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1025	RP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1026	RP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1027	RP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1028	RP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1029	RP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1030	RP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1031	RP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1032	RP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1033	RP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1034	RP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1035	RP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1036	RP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1037	RP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1038	RP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1039	RP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1040	RP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1041	RP_MEAN	Char	20	Average pixel values within peel section of right lung (HU) at Total Lung Capacity (TLC)
1042	RP_MED	Char	20	Median pixel values within peel section of right lung (HU) at Total Lung Capacity (TLC)
1043	RP_VAR	Char	20	Variance of pixel values within peel section of right lung at Total Lung Capacity (TLC)
1044	RP_SDEV	Char	20	Standard deviation of pixel values within peel section of right lung
1045	RP_ADEV	Char	20	Average deviation of pixel values within peel section of right lung
1046	RP_SKEW	Char	20	Skewness of pixel values in peel section of right lung at Total Lung Capacity (TLC)
1047	RP_KURT	Char	20	Kurtosis of pixel values in peel section of right lung at Total Lung Capacity (TLC)
1048	RP_FWHM	Char	20	Full width, half max (HU) for peel section of right lung at Total Lung Capacity (TLC)
1049	RP_AIRV	Char	20	Total volume of air in peel section of right lung (milliliters) at Total Lung Capacity (TLC)
1050	RP_TISV	Char	20	Total volume of tissue in peel section of right lung (ml) at Total Lung Capacity (TLC)
1051	RP_TOTV	Char	20	Total volume of peel section of right lung (ml) at Total Lung Capacity (TLC)
1052	RP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1053	RP_ASLP	Char	20	The slope of the line at the ankle for peel section of right lung at Total Lung Capacity (TLC)
1054	RP_AINT	Char	20	The interecept of the line at the ankle for peel section of right lung at Total Lung Capacity (TLC)
1055	RP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of right lung at Total Lung Capacity (TLC)
1056	RP_KSLP	Char	20	The slope of the line at the knee for peel section of right lung at Total Lung Capacity (TLC)
1057	RP_KINT	Char	20	The intercept of the line at the knee for peel section of right lung at Total Lung Capacity (TLC)
1058	RP_CCUTOFF	Char	20	Peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at Total Lung Capacity (TLC)
1059	RP_CVM	Char	20	Mean length of vectors drawn from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1060	RP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1061	RP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1062	RP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1063	RP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1064	RP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1065	RP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1066	RP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1067	RP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for peel section of right lung at Total Lung Capacity (TLC)
1068	RP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for peel section of right lung at Total Lung Capacity (TLC)
1069	RP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for peel section of right lung at Total Lung Capacity (TLC)
1070	RP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of right lung
1071	RP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in peel section of right lung
1072	RP_VESSELVX	Char	20	Total number of vessel voxels in peel section of right lung at Total Lung Capacity (TLC)
1073	RP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for peel section of right lung at Total Lung Capacity (TLC)
1074	RU_VXSIZE	Char	20	Volume of voxel in cubic millimeters in upper right lung
1075	RU_TOTVX	Char	20	Total number of voxels in upper part of right lung at Total Lung Capacity (TLC)
1076	RU_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1077	RU_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper right lung

Num	Variable	Type	Len	Label
1078	RU_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1079	RU_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper right lung
1080	RU_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1081	RU_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1082	RU_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1083	RU_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1084	RU_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1085	RU_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1086	RU_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1087	RU_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1088	RU_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1089	RU_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1090	RU_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1091	RU_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1092	RU_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1093	RU_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1094	RU_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1095	RU_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1096	RU_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1097	RU_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1098	RU_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1099	RU_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1100	RU_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1101	RU_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1102	RU_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1103	RU_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1104	RU_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1105	RU_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1106	RU_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1107	RU_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1108	RU_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1109	RU_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1110	RU_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1111	RU_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1112	RU_MEAN	Char	20	Average pixel values within upper part of right lung (HU) at Total Lung Capacity (TLC)
1113	RU_MED	Char	20	Median pixel values within upper part of right lung (HU) at Total Lung Capacity (TLC)
1114	RU_VAR	Char	20	Variance of pixel values within upper part of right lung at Total Lung Capacity (TLC)
1115	RU_SDEV	Char	20	Standard deviation of pixel values within upper right lung
1116	RU_ADEV	Char	20	Average deviation of pixel values within upper right lung
1117	RU_SKEW	Char	20	Skewness of pixel values in upper part of right lung at Total Lung Capacity (TLC)
1118	RU_KURT	Char	20	Kurtosis of pixel values in upper part of right lung at Total Lung Capacity (TLC)
1119	RU_FWHM	Char	20	Full width, half max (HU) for upper part of right lung at Total Lung Capacity (TLC)
1120	RU_AIRV	Char	20	Total volume of air in upper part of right lung (milliliters) at Total Lung Capacity (TLC)
1121	RU_TISV	Char	20	Total volume of tissue in upper part of right lung (ml) at Total Lung Capacity (TLC)
1122	RU_TOTV	Char	20	Total volume of upper part of right lung (ml) at Total Lung Capacity (TLC)
1123	RU_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of right lung at Total Lung Capacity (TLC)
1124	RU_ASLP	Char	20	The slope of the line at the ankle for upper part of right lung at Total Lung Capacity (TLC)
1125	RU_AINT	Char	20	The interecept of the line at the ankle for upper part of right lung at Total Lung Capacity (TLC)
1126	RU_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of right lung at Total Lung Capacity (TLC)
1127	RU_KSLP	Char	20	The slope of the line at the knee for upper part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1128	RU_KINT	Char	20	The intercept of the line at the knee for upper part of right lung at Total Lung Capacity (TLC)
1129	RU_CCUTOFF	Char	20	Upper part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1130	RU_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1131	RU_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1132	RU_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1133	RU_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1134	RU_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1135	RU_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1136	RU_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1137	RU_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1138	RU_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of right lung at Total Lung Capacity (TLC)
1139	RU_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of right lung at Total Lung Capacity (TLC)
1140	RU_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of right lung at Total Lung Capacity (TLC)
1141	RU_AIRWAYVX	Char	20	Total number of airway voxels in upper right lung
1142	RU_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in upper right lung
1143	RU_VESSELVX	Char	20	Total number of vessel voxels in upper part of right lung at Total Lung Capacity (TLC)
1144	RU_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of right lung at Total Lung Capacity (TLC)
1145	RUC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of upper right lung
1146	RUC_TOTVX	Char	20	Total number of voxels in upper part of core section of right lung at Total Lung Capacity (TLC)
1147	RUC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for core section of upper right lung
1148	RUC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of upper right lung
1149	RUC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1150	RUC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of upper right lung
1151	RUC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1152	RUC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1153	RUC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1154	RUC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1155	RUC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1156	RUC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1157	RUC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1158	RUC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1159	RUC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1160	RUC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1161	RUC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1162	RUC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1163	RUC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1164	RUC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1165	RUC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1166	RUC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1167	RUC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1168	RUC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1169	RUC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1170	RUC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1171	RUC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1172	RUC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1173	RUC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1174	RUC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1175	RUC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1176	RUC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1177	RUC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1178	RUC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1179	RUC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1180	RUC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1181	RUC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1182	RUC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1183	RUC_MEAN	Char	20	Average pixel values within upper part of core section of right lung (HU) at Total Lung Capacity (TLC)
1184	RUC_MED	Char	20	Median pixel values within upper part of core section of right lung (HU) at Total Lung Capacity (TLC)
1185	RUC_VAR	Char	20	Variance of pixel values within upper part of core section of right lung at Total Lung Capacity (TLC)
1186	RUC_SDEV	Char	20	Standard deviation of pixel values within core section of upper right lung
1187	RUC_ADEV	Char	20	Average deviation of pixel values within core section of upper right lung
1188	RUC_SKEW	Char	20	Skewness of pixel values in upper part of core section of right lung at Total Lung Capacity (TLC)
1189	RUC_KURT	Char	20	Kurtosis of pixel values in upper part of core section of right lung at Total Lung Capacity (TLC)
1190	RUC_FWHM	Char	20	Full width, half max (HU) for upper part of core section of right lung at Total Lung Capacity (TLC)
1191	RUC_AIRV	Char	20	Total volume of air in upper part of core section of right lung (milliliters) at Total Lung Capacity (TLC)
1192	RUC_TISV	Char	20	Total volume of tissue in upper part of core section of right lung (ml) at Total Lung Capacity (TLC)
1193	RUC_TOTV	Char	20	Total volume of upper part of core section of right lung (ml) at Total Lung Capacity (TLC)
1194	RUC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of core section of right lung at Total Lung Capacity (TLC)
1195	RUC_ASLP	Char	20	The slope of the line at the ankle for upper part of core section of right lung at Total Lung Capacity (TLC)
1196	RUC_AINT	Char	20	The interecept of the line at the ankle for upper part of core section of right lung at Total Lung Capacity (TLC)
1197	RUC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of core section of right lung at Total Lung Capacity (TLC)
1198	RUC_KSLP	Char	20	The slope of the line at the knee for upper part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1199	RUC_KINT	Char	20	The intercept of the line at the knee for upper part of core section of right lung at Total Lung Capacity (TLC)
1200	RUC_CCUTOFF	Char	20	Upper part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1201	RUC_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1202	RUC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1203	RUC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1204	RUC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1205	RUC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1206	RUC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1207	RUC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1208	RUC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1209	RUC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of core section of right lung at Total Lung Capacity (TLC)
1210	RUC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of core section of right lung at Total Lung Capacity (TLC)
1211	RUC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of core section of right lung at Total Lung Capacity (TLC)
1212	RUC_AIRWAYVX	Char	20	Total number of airway voxels in core section of upper right lung
1213	RUC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in core section of upper right lung
1214	RUC_VESSELVX	Char	20	Total number of vessel voxels in upper part of core section of right lung at Total Lung Capacity (TLC)
1215	RUC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of core section of right lung at Total Lung Capacity (TLC)
1216	RUP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in upper section of upper right lung
1217	RUP_TOTVX	Char	20	Total number of voxels in upper part of peel section of right lung at Total Lung Capacity (TLC)
1218	RUP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1219	RUP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of upper right lung
1220	RUP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1221	RUP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of upper right lung
1222	RUP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1223	RUP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1224	RUP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1225	RUP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1226	RUP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1227	RUP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1228	RUP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1229	RUP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1230	RUP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1231	RUP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1232	RUP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1233	RUP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1234	RUP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1235	RUP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1236	RUP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1237	RUP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1238	RUP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1239	RUP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1240	RUP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1241	RUP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1242	RUP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1243	RUP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1244	RUP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1245	RUP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1246	RUP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1247	RUP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1248	RUP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1249	RUP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1250	RUP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1251	RUP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1252	RUP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1253	RUP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1254	RUP_MEAN	Char	20	Average pixel values within upper part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1255	RUP_MED	Char	20	Median pixel values within upper part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1256	RUP_VAR	Char	20	Variance of pixel values within upper part of peel section of right lung at Total Lung Capacity (TLC)
1257	RUP_SDEV	Char	20	Standard deviation of pixel values within upper section of upper right lung
1258	RUP_ADEV	Char	20	Average deviation of pixel values within peel section of upper right lung
1259	RUP_SKEW	Char	20	Skewness of pixel values in upper part of peel section of right lung at Total Lung Capacity (TLC)
1260	RUP_KURT	Char	20	Kurtosis of pixel values in upper part of peel section of right lung at Total Lung Capacity (TLC)
1261	RUP_FWHM	Char	20	Full width, half max (HU) for upper part of peel section of right lung at Total Lung Capacity (TLC)
1262	RUP_AIRV	Char	20	Total volume of air in upper part of peel section of right lung (milliliters) at Total Lung Capacity (TLC)
1263	RUP_TISV	Char	20	Total volume of tissue in upper part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1264	RUP_TOTV	Char	20	Total volume of upper part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1265	RUP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of peel section of right lung at Total Lung Capacity (TLC)
1266	RUP_ASLP	Char	20	The slope of the line at the ankle for upper part of peel section of right lung at Total Lung Capacity (TLC)
1267	RUP_AINT	Char	20	The interecept of the line at the ankle for upper part of peel section of right lung at Total Lung Capacity (TLC)
1268	RUP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of peel section of right lung at Total Lung Capacity (TLC)
1269	RUP_KSLP	Char	20	The slope of the line at the knee for upper part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1270	RUP_KINT	Char	20	The intercept of the line at the knee for upper part of peel section of right lung at Total Lung Capacity (TLC)
1271	RUP_CCUTOFF	Char	20	Upper part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1272	RUP_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1273	RUP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1274	RUP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1275	RUP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1276	RUP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1277	RUP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1278	RUP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1279	RUP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1280	RUP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of peel section of right lung at Total Lung Capacity (TLC)
1281	RUP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of peel section of right lung at Total Lung Capacity (TLC)
1282	RUP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of peel section of right lung at Total Lung Capacity (TLC)
1283	RUP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of upper right lung
1284	RUP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in peel section of upper right lung
1285	RUP_VESSELVX	Char	20	Total number of vessel voxels in upper part of peel section of right lung at Total Lung Capacity (TLC)
1286	RUP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of peel section of right lung at Total Lung Capacity (TLC)
1287	RM_VXSIZE	Char	20	Volume of voxel in cubic millimeters in middle right lung
1288	RM_TOTVX	Char	20	Total number of voxels in middle part of right lung at Total Lung Capacity (TLC)
1289	RM_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1290	RM_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle right lung
1291	RM_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1292	RM_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle right lung
1293	RM_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1294	RM_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1295	RM_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1296	RM_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1297	RM_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1298	RM_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1299	RM_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1300	RM_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1301	RM_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1302	RM_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1303	RM_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1304	RM_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1305	RM_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1306	RM_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1307	RM_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1308	RM_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1309	RM_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1310	RM_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1311	RM_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1312	RM_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1313	RM_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1314	RM_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1315	RM_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1316	RM_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1317	RM_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1318	RM_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1319	RM_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1320	RM_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1321	RM_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1322	RM_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1323	RM_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1324	RM_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1325	RM_MEAN	Char	20	Average pixel values within middle part of right lung (HU) at Total Lung Capacity (TLC)
1326	RM_MED	Char	20	Median pixel values within middle part of right lung (HU) at Total Lung Capacity (TLC)
1327	RM_VAR	Char	20	Variance of pixel values within middle part of right lung at Total Lung Capacity (TLC)
1328	RM_SDEV	Char	20	Standard deviation of pixel values within middle right lung
1329	RM_ADEV	Char	20	Average deviation of pixel values within middle right lung
1330	RM_SKEW	Char	20	Skewness of pixel values in middle part of right lung at Total Lung Capacity (TLC)
1331	RM_KURT	Char	20	Kurtosis of pixel values in middle part of right lung at Total Lung Capacity (TLC)
1332	RM_FWHM	Char	20	Full width, half max (HU) for middle part of right lung at Total Lung Capacity (TLC)
1333	RM_AIRV	Char	20	Total volume of air in middle part of right lung (milliliters) at Total Lung Capacity (TLC)
1334	RM_TISV	Char	20	Total volume of tissue in middle part of right lung (ml) at Total Lung Capacity (TLC)
1335	RM_TOTV	Char	20	Total volume of middle part of right lung (ml) at Total Lung Capacity (TLC)
1336	RM_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of right lung at Total Lung Capacity (TLC)
1337	RM_ASLP	Char	20	The slope of the line at the ankle for middle part of right lung at Total Lung Capacity (TLC)
1338	RM_AINT	Char	20	The interecept of the line at the ankle for middle part of right lung at Total Lung Capacity (TLC)
1339	RM_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of right lung at Total Lung Capacity (TLC)
1340	RM_KSLP	Char	20	The slope of the line at the knee for middle part of right lung at Total Lung Capacity (TLC)
1341	RM_KINT	Char	20	The intercept of the line at the knee for middle part of right lung at Total Lung Capacity (TLC)
1342	RM_CCUTOFF	Char	20	Middle part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1343	RM_CVM	Char	20	Mean length of vectors drawn from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1344	RM_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of middle part of right lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1345	RM_CVXM	Char	20	The X component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1346	RM_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1347	RM_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1348	RM_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1349	RM_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1350	RM_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1351	RM_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle part of right lung at Total Lung Capacity (TLC)
1352	RM_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle part of right lung at Total Lung Capacity (TLC)
1353	RM_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle part of right lung at Total Lung Capacity (TLC)
1354	RM_AIRWAYVX	Char	20	Total number of airway voxels in middle right lung
1355	RM_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in middle right lung
1356	RM_VESSELVX	Char	20	Total number of vessel voxels in middle part of right lung at Total Lung Capacity (TLC)
1357	RM_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of right lung at Total Lung Capacity (TLC)
1358	RMC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of middle right lung
1359	RMC_TOTVX	Char	20	Total number of voxels in middle part of core section of right lung at Total Lung Capacity (TLC)
1360	RMC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1361	RMC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of middle right lung
1362	RMC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1363	RMC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of middle right lung
1364	RMC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1365	RMC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1366	RMC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1367	RMC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1368	RMC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1369	RMC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1370	RMC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1371	RMC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1372	RMC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1373	RMC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1374	RMC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1375	RMC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1376	RMC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1377	RMC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1378	RMC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1379	RMC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1380	RMC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1381	RMC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1382	RMC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1383	RMC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1384	RMC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1385	RMC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1386	RMC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1387	RMC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1388	RMC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1389	RMC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1390	RMC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1391	RMC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1392	RMC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1393	RMC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1394	RMC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1395	RMC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1396	RMC_MEAN	Char	20	Average pixel values within middle part of core section of right lung (HU) at Total Lung Capacity (TLC)
1397	RMC_MED	Char	20	Median pixel values within middle part of core section of right lung (HU) at Total Lung Capacity (TLC)
1398	RMC_VAR	Char	20	Variance of pixel values within middle part of core section of right lung at Total Lung Capacity (TLC)
1399	RMC_SDEV	Char	20	Standard deviation of pixel values within core section of middle right lung
1400	RMC_ADEV	Char	20	Average deviation of pixel values within core section of middle right lung
1401	RMC_SKEW	Char	20	Skewness of pixel values in middle part of core section of right lung at Total Lung Capacity (TLC)
1402	RMC_KURT	Char	20	Kurtosis of pixel values in middle part of core section of right lung at Total Lung Capacity (TLC)
1403	RMC_FWHM	Char	20	Full width, half max (HU) for middle part of core section of right lung at Total Lung Capacity (TLC)
1404	RMC_AIRV	Char	20	Total volume of air in middle part of core section of right lung (milliliters) at Total Lung Capacity (TLC)
1405	RMC_TISV	Char	20	Total volume of tissue in middle part of core section of right lung (ml) at Total Lung Capacity (TLC)
1406	RMC_TOTV	Char	20	Total volume of middle part of core section of right lung (ml) at Total Lung Capacity (TLC)
1407	RMC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of core section of right lung at Total Lung Capacity (TLC)
1408	RMC_ASLP	Char	20	The slope of the line at the ankle for middle part of core section of right lung at Total Lung Capacity (TLC)
1409	RMC_AINT	Char	20	The interecept of the line at the ankle for middle part of core section of right lung at Total Lung Capacity (TLC)
1410	RMC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of core section of right lung at Total Lung Capacity (TLC)
1411	RMC_KSLP	Char	20	The slope of the line at the knee for middle part of core section of right lung at Total Lung Capacity (TLC)
1412	RMC_KINT	Char	20	The intercept of the line at the knee for middle part of core section of right lung at Total Lung Capacity (TLC)
1413	RMC_CCUTOFF	Char	20	Middle part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1414	RMC_CVM	Char	20	Mean length of vectors drawn from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1415	RMC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of middle part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1416	RMC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1417	RMC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1418	RMC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1419	RMC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1420	RMC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1421	RMC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1422	RMC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle part of core section of right lung at Total Lung Capacity (TLC)
1423	RMC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle part of core section of right lung at Total Lung Capacity (TLC)
1424	RMC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle part of core section of right lung at Total Lung Capacity (TLC)
1425	RMC_AIRWAYVX	Char	20	Total number of airway voxels in core section of middle right lung
1426	RMC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in core section of middle right lung
1427	RMC_VESSELVX	Char	20	Total number of vessel voxels in middle part of core section of right lung at Total Lung Capacity (TLC)
1428	RMC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of core section of right lung at Total Lung Capacity (TLC)
1429	RMP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of middle right lung
1430	RMP_TOTVX	Char	20	Total number of voxels in middle part of peel section of right lung at Total Lung Capacity (TLC)
1431	RMP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1432	RMP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of middle right lung
1433	RMP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1434	RMP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of middle right lung
1435	RMP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1436	RMP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1437	RMP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1438	RMP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1439	RMP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1440	RMP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1441	RMP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1442	RMP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1443	RMP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1444	RMP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1445	RMP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1446	RMP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1447	RMP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1448	RMP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1449	RMP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1450	RMP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1451	RMP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1452	RMP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1453	RMP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1454	RMP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1455	RMP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1456	RMP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1457	RMP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1458	RMP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1459	RMP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1460	RMP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1461	RMP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1462	RMP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1463	RMP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1464	RMP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1465	RMP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1466	RMP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1467	RMP_MEAN	Char	20	Average pixel values within middle part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1468	RMP_MED	Char	20	Median pixel values within middle part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1469	RMP_VAR	Char	20	Variance of pixel values within middle part of peel section of right lung at Total Lung Capacity (TLC)
1470	RMP_SDEV	Char	20	Standard deviation of pixel values within peel section of middle right lung
1471	RMP_ADEV	Char	20	Average deviation of pixel values within peel section of middle right lung
1472	RMP_SKEW	Char	20	Skewness of pixel values in middle part of peel section of right lung at Total Lung Capacity (TLC)
1473	RMP_KURT	Char	20	Kurtosis of pixel values in middle part of peel section of right lung at Total Lung Capacity (TLC)
1474	RMP_FWHM	Char	20	Full width, half max (HU) for middle part of peel section of right lung at Total Lung Capacity (TLC)
1475	RMP_AIRV	Char	20	Total volume of air in middle part of peel section of right lung (milliliters) at Total Lung Capacity (TLC)
1476	RMP_TISV	Char	20	Total volume of tissue in middle part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1477	RMP_TOTV	Char	20	Total volume of middle part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1478	RMP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of peel section of right lung at Total Lung Capacity (TLC)
1479	RMP_ASLP	Char	20	The slope of the line at the ankle for middle part of peel section of right lung at Total Lung Capacity (TLC)
1480	RMP_AINT	Char	20	The interecept of the line at the ankle for middle part of peel section of right lung at Total Lung Capacity (TLC)
1481	RMP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of peel section of right lung at Total Lung Capacity (TLC)
1482	RMP_KSLP	Char	20	The slope of the line at the knee for middle part of peel section of right lung at Total Lung Capacity (TLC)
1483	RMP_KINT	Char	20	The intercept of the line at the knee for middle part of peel section of right lung at Total Lung Capacity (TLC)
1484	RMP_CCUTOFF	Char	20	Middle part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1485	RMP_CVM	Char	20	Mean length of vectors drawn from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1486	RMP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of middle part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1487	RMP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1488	RMP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1489	RMP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1490	RMP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1491	RMP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1492	RMP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1493	RMP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle part of peel section of right lung at Total Lung Capacity (TLC)
1494	RMP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle part of peel section of right lung at Total Lung Capacity (TLC)
1495	RMP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle part of peel section of right lung at Total Lung Capacity (TLC)
1496	RMP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of middle right lung
1497	RMP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in peel section of middle right lung
1498	RMP_VESSELVX	Char	20	Total number of vessel voxels in middle part of peel section of right lung at Total Lung Capacity (TLC)
1499	RMP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of peel section of right lung at Total Lung Capacity (TLC)
1500	RL_VXSIZE	Char	20	Volume of voxel in cubic millimeters in lower right lung
1501	RL_TOTVX	Char	20	Total number of voxels in lower part of right lung at Total Lung Capacity (TLC)
1502	RL_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1503	RL_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower right lung
1504	RL_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1505	RL_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower right lung
1506	RL_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1507	RL_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1508	RL_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1509	RL_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1510	RL_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1511	RL_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1512	RL_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1513	RL_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1514	RL_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1515	RL_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1516	RL_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1517	RL_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1518	RL_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1519	RL_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1520	RL_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1521	RL_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1522	RL_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1523	RL_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1524	RL_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1525	RL_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1526	RL_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1527	RL_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1528	RL_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1529	RL_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1530	RL_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1531	RL_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1532	RL_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1533	RL_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1534	RL_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1535	RL_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1536	RL_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1537	RL_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1538	RL_MEAN	Char	20	Average pixel values within lower part of right lung (HU) at Total Lung Capacity (TLC)
1539	RL_MED	Char	20	Median pixel values within lower part of right lung (HU) at Total Lung Capacity (TLC)
1540	RL_VAR	Char	20	Variance of pixel values within lower part of right lung at Total Lung Capacity (TLC)
1541	RL_SDEV	Char	20	Standard deviation of pixel values within lower right lung
1542	RL_ADEV	Char	20	Average deviation of pixel values within lower right lung
1543	RL_SKEW	Char	20	Skewness of pixel values in lower part of right lung at Total Lung Capacity (TLC)
1544	RL_KURT	Char	20	Kurtosis of pixel values in lower part of right lung at Total Lung Capacity (TLC)
1545	RL_FWHM	Char	20	Full width, half max (HU) for lower part of right lung at Total Lung Capacity (TLC)
1546	RL_AIRV	Char	20	Total volume of air in lower part of right lung (milliliters) at Total Lung Capacity (TLC)
1547	RL_TISV	Char	20	Total volume of tissue in lower part of right lung (ml) at Total Lung Capacity (TLC)
1548	RL_TOTV	Char	20	Total volume of lower part of right lung (ml) at Total Lung Capacity (TLC)
1549	RL_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of right lung at Total Lung Capacity (TLC)
1550	RL_ASLP	Char	20	The slope of the line at the ankle for lower part of right lung at Total Lung Capacity (TLC)
1551	RL_AINT	Char	20	The interecept of the line at the ankle for lower part of right lung at Total Lung Capacity (TLC)
1552	RL_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of right lung at Total Lung Capacity (TLC)
1553	RL_KSLP	Char	20	The slope of the line at the knee for lower part of right lung at Total Lung Capacity (TLC)
1554	RL_KINT	Char	20	The intercept of the line at the knee for lower part of right lung at Total Lung Capacity (TLC)
1555	RL_CCUTOFF	Char	20	Lower part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1556	RL_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1557	RL_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1558	RL_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1559	RL_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1560	RL_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1561	RL_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1562	RL_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1563	RL_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1564	RL_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of right lung at Total Lung Capacity (TLC)
1565	RL_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of right lung at Total Lung Capacity (TLC)
1566	RL_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of right lung at Total Lung Capacity (TLC)
1567	RL_AIRWAYVX	Char	20	Total number of airway voxels in lower right lung
1568	RL_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the lower right lung
1569	RL_VESSELVX	Char	20	Total number of vessel voxels in lower part of right lung at Total Lung Capacity (TLC)
1570	RL_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of right lung at Total Lung Capacity (TLC)
1571	RLC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of lower right lung
1572	RLC_TOTVX	Char	20	Total number of voxels in lower part of core section of right lung at Total Lung Capacity (TLC)
1573	RLC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1574	RLC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of lower right lung
1575	RLC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1576	RLC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of lower right lung
1577	RLC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1578	RLC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1579	RLC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1580	RLC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1581	RLC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1582	RLC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1583	RLC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1584	RLC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1585	RLC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1586	RLC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1587	RLC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1588	RLC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1589	RLC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1590	RLC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1591	RLC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1592	RLC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1593	RLC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1594	RLC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1595	RLC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1596	RLC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1597	RLC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1598	RLC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1599	RLC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1600	RLC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1601	RLC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1602	RLC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1603	RLC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1604	RLC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1605	RLC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1606	RLC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1607	RLC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1608	RLC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1609	RLC_MEAN	Char	20	Average pixel values within lower part of core section of right lung (HU) at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1610	RLC_MED	Char	20	Median pixel values within lower part of core section of right lung (HU) at Total Lung Capacity (TLC)
1611	RLC_VAR	Char	20	Variance of pixel values within lower part of core section of right lung at Total Lung Capacity (TLC)
1612	RLC_SDEV	Char	20	Standard deviation of pixel values within core section of lower right lung
1613	RLC_ADEV	Char	20	Average deviation of pixel values within core section of lower right lung
1614	RLC_SKEW	Char	20	Skewness of pixel values in lower part of core section of right lung at Total Lung Capacity (TLC)
1615	RLC_KURT	Char	20	Kurtosis of pixel values in lower part of core section of right lung at Total Lung Capacity (TLC)
1616	RLC_FWHM	Char	20	Full width, half max (HU) for lower part of core section of right lung at Total Lung Capacity (TLC)
1617	RLC_AIRV	Char	20	Total volume of air in lower part of core section of right lung (milliliters) at Total Lung Capacity (TLC)
1618	RLC_TISV	Char	20	Total volume of tissue in lower part of core section of right lung (ml) at Total Lung Capacity (TLC)
1619	RLC_TOTV	Char	20	Total volume of lower part of core section of right lung (ml) at Total Lung Capacity (TLC)
1620	RLC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of core section of right lung at Total Lung Capacity (TLC)
1621	RLC_ASLP	Char	20	The slope of the line at the ankle for lower part of core section of right lung at Total Lung Capacity (TLC)
1622	RLC_AINT	Char	20	The interecept of the line at the ankle for lower part of core section of right lung at Total Lung Capacity (TLC)
1623	RLC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of core section of right lung at Total Lung Capacity (TLC)
1624	RLC_KSLP	Char	20	The slope of the line at the knee for lower part of core section of right lung at Total Lung Capacity (TLC)
1625	RLC_KINT	Char	20	The intercept of the line at the knee for lower part of core section of right lung at Total Lung Capacity (TLC)
1626	RLC_CCUTOFF	Char	20	Lower part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1627	RLC_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1628	RLC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1629	RLC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1630	RLC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1631	RLC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1632	RLC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1633	RLC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1634	RLC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1635	RLC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of core section of right lung at Total Lung Capacity (TLC)
1636	RLC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of core section of right lung at Total Lung Capacity (TLC)
1637	RLC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of core section of right lung at Total Lung Capacity (TLC)
1638	RLC_AIRWAYVX	Char	20	Total number of airway voxels in core section of lower right lung
1639	RLC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of lower right lung
1640	RLC_VESSELVX	Char	20	Total number of vessel voxels in lower part of core section of right lung at Total Lung Capacity (TLC)
1641	RLC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of core section of right lung at Total Lung Capacity (TLC)
1642	RLP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of lower right lung
1643	RLP_TOTVX	Char	20	Total number of voxels in lower part of peel section of right lung at Total Lung Capacity (TLC)
1644	RLP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for peel section of lower right lung
1645	RLP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of lower right lung
1646	RLP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1647	RLP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of lower right lung
1648	RLP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1649	RLP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1650	RLP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1651	RLP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1652	RLP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1653	RLP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1654	RLP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1655	RLP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1656	RLP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1657	RLP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1658	RLP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1659	RLP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1660	RLP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1661	RLP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1662	RLP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1663	RLP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1664	RLP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1665	RLP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1666	RLP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1667	RLP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1668	RLP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1669	RLP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1670	RLP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1671	RLP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1672	RLP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1673	RLP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1674	RLP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1675	RLP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1676	RLP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1677	RLP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1678	RLP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1679	RLP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1680	RLP_MEAN	Char	20	Average pixel values within lower part of peel section of right lung (HU) at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1681	RLP_MED	Char	20	Median pixel values within lower part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1682	RLP_VAR	Char	20	Variance of pixel values within lower part of peel section of right lung at Total Lung Capacity (TLC)
1683	RLP_SDEV	Char	20	Standard deviation of pixel values within peel section of lower right lung
1684	RLP_ADEV	Char	20	Average deviation of pixel values within peel section of lower right lung
1685	RLP_SKEW	Char	20	Skewness of pixel values in lower part of peel section of right lung at Total Lung Capacity (TLC)
1686	RLP_KURT	Char	20	Kurtosis of pixel values in lower part of peel section of right lung at Total Lung Capacity (TLC)
1687	RLP_FWHM	Char	20	Full width, half max (HU) for lower part of peel section of right lung at Total Lung Capacity (TLC)
1688	RLP_AIRV	Char	20	Total volume of air in lower part of peel section of right lung (milliliters) at Total Lung Capacity (TLC)
1689	RLP_TISV	Char	20	Total volume of tissue in lower part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1690	RLP_TOTV	Char	20	Total volume of lower part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1691	RLP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of peel section of right lung at Total Lung Capacity (TLC)
1692	RLP_ASLP	Char	20	The slope of the line at the ankle for lower part of peel section of right lung at Total Lung Capacity (TLC)
1693	RLP_AINT	Char	20	The interecept of the line at the ankle for lower part of peel section of right lung at Total Lung Capacity (TLC)
1694	RLP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of peel section of right lung at Total Lung Capacity (TLC)
1695	RLP_KSLP	Char	20	The slope of the line at the knee for lower part of peel section of right lung at Total Lung Capacity (TLC)
1696	RLP_KINT	Char	20	The intercept of the line at the knee for lower part of peel section of right lung at Total Lung Capacity (TLC)
1697	RLP_CCUTOFF	Char	20	Lower part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1698	RLP_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1699	RLP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1700	RLP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1701	RLP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1702	RLP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1703	RLP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1704	RLP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1705	RLP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1706	RLP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of peel section of right lung at Total Lung Capacity (TLC)
1707	RLP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of peel section of right lung at Total Lung Capacity (TLC)
1708	RLP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of peel section of right lung at Total Lung Capacity (TLC)
1709	RLP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of lower right lung
1710	RLP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of lower right lung
1711	RLP_VESSELVX	Char	20	Total number of vessel voxels in lower part of peel section of right lung at Total Lung Capacity (TLC)
1712	RLP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of peel section of right lung at Total Lung Capacity (TLC)
1713	TLU_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of left lung
1714	TLU_TOTVX	Char	20	Total number of voxels in upper third of left lung
1715	TLU_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of left lung
1716	TLU_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of left lung
1717	TLU_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of left lung
1718	TLU_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of left lung
1719	TLU_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of left lung
1720	TLU_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of left lung
1721	TLU_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of left lung
1722	TLU_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of left lung
1723	TLU_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of left lung
1724	TLU_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of left lung
1725	TLU_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of left lung
1726	TLU_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of left lung
1727	TLU_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of left lung
1728	TLU_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of left lung
1729	TLU_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of left lung
1730	TLU_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of left lung
1731	TLU_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of left lung
1732	TLU_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of left lung
1733	TLU_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of left lung
1734	TLU_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of left lung
1735	TLU_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of left lung
1736	TLU_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of left lung

Num	Variable	Type	Len	Label
1737	TLU_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of left lung
1738	TLU_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of left lung
1739	TLU_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of left lung
1740	TLU_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of left lung
1741	TLU_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of left lung
1742	TLU_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of left lung
1743	TLU_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of left lung
1744	TLU_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of left lung
1745	TLU_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of left lung
1746	TLU_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of left lung
1747	TLU_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of left lung
1748	TLU_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of left lung
1749	TLU_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of left lung
1750	TLU_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of left lung
1751	TLU_MEAN	Char	20	Average pixel values within upper third of left lung (HU)
1752	TLU_MED	Char	20	Median pixel values within upper third of left lung (HU)
1753	TLU_VAR	Char	20	Variance of pixel values within upper third of left lung
1754	TLU_SDEV	Char	20	Standard deviation of pixel values within upper third of left lung
1755	TLU_ADEV	Char	20	Average deviation of pixel values within upper third of left lung
1756	TLU_SKEW	Char	20	Skewness of pixel values in upper third of left lung
1757	TLU_KURT	Char	20	Kurtosis of pixel values in upper third of left lung
1758	TLU_FWHM	Char	20	Full width, half max (HU) for upper third of left lung
1759	TLU_AIRV	Char	20	Total volume of air in upper third of left lung (milliliters)
1760	TLU_TISV	Char	20	Total volume of tissue in upper third of left lung (ml)
1761	TLU_TOTV	Char	20	Total volume of upper third of left lung (ml)
1762	TLU_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of left lung
1763	TLU_ASLP	Char	20	The slope of the line at the ankle for upper third of left lung
1764	TLU_AINT	Char	20	The intercept of the line at the ankle for upper third of left lung
1765	TLU_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of left lung
1766	TLU_KSLP	Char	20	The slope of the line at the knee for upper third of left lung
1767	TLU_KINT	Char	20	The intercept of the line at the knee for upper third of left lung
1768	TLU_CCUTOFF	Char	20	upper third of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
1769	TLU_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of left lung to emphysema voxels
1770	TLU_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of left lung to emphysema voxels
1771	TLU_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of left lung to emphysema voxels

Num	Variable	Type	Len	Label
1772	TLU_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of left lung to emphysema voxels
1773	TLU_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of left lung to emphysema voxels
1774	TLU_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of left lung to emphysema voxels
1775	TLU_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of left lung to emphysema voxels
1776	TLU_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of left lung to emphysema voxels
1777	TLU_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of left lung
1778	TLU_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of left lung
1779	TLU_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of left lung
1780	TLU_AIRWAYVX	Char	20	Total number of airway voxels in upper third of left lung
1781	TLU_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of left lung
1782	TLU_VESSELVX	Char	20	Total number of vessel voxels in upper third of left lung
1783	TLU_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of left lung
1784	TLUC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of core section of left lung
1785	TLUC_TOTVX	Char	20	Total number of voxels in upper third of core section of left lung
1786	TLUC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of core section of left lung
1787	TLUC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of core section of left lung
1788	TLUC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of core section of left lung
1789	TLUC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of core section of left lung
1790	TLUC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of core section of left lung
1791	TLUC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of core section of left lung
1792	TLUC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of core section of left lung
1793	TLUC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of core section of left lung
1794	TLUC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of core section of left lung
1795	TLUC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of core section of left lung
1796	TLUC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of core section of left lung
1797	TLUC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of core section of left lung

Num	Variable	Type	Len	Label
1798	TLUC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of core section of left lung
1799	TLUC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of core section of left lung
1800	TLUC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of core section of left lung
1801	TLUC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of core section of left lung
1802	TLUC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of core section of left lung
1803	TLUC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of core section of left lung
1804	TLUC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of core section of left lung
1805	TLUC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of core section of left lung
1806	TLUC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of core section of left lung
1807	TLUC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of core section of left lung
1808	TLUC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of core section of left lung
1809	TLUC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of core section of left lung
1810	TLUC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of core section of left lung
1811	TLUC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of core section of left lung
1812	TLUC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of core section of left lung
1813	TLUC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of core section of left lung
1814	TLUC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of core section of left lung
1815	TLUC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of core section of left lung
1816	TLUC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of core section of left lung
1817	TLUC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of core section of left lung
1818	TLUC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of core section of left lung
1819	TLUC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of core section of left lung
1820	TLUC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of core section of left lung

Num	Variable	Type	Len	Label
1821	TLUC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of core section of left lung
1822	TLUC_MEAN	Char	20	Average pixel values within upper third of core section of left lung (HU)
1823	TLUC_MED	Char	20	Median pixel values within upper third of core section of left lung (HU)
1824	TLUC_VAR	Char	20	Variance of pixel values within upper third of core section of left lung
1825	TLUC_SDEV	Char	20	Standard deviation of pixel values within upper third of core section of left lung
1826	TLUC_ADEV	Char	20	Average deviation of pixel values within upper third of core section of left lung
1827	TLUC_SKEW	Char	20	Skewness of pixel values in upper third of core section of left lung
1828	TLUC_KURT	Char	20	Kurtosis of pixel values in upper third of core section of left lung
1829	TLUC_FWHM	Char	20	Full width, half max (HU) for upper third of core section of left lung
1830	TLUC_AIRV	Char	20	Total volume of air in upper third of core section of left lung (milliliters)
1831	TLUC_TISV	Char	20	Total volume of tissue in upper third of core section of left lung (ml)
1832	TLUC_TOTV	Char	20	Total volume of upper third of core section of left lung (ml)
1833	TLUC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of core section of left lung
1834	TLUC_ASLP	Char	20	The slope of the line at the ankle for upper third of core section of left lung
1835	TLUC_AINT	Char	20	The intercept of the line at the ankle for upper third of core section of left lung
1836	TLUC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of core section of left lung
1837	TLUC_KSLP	Char	20	The slope of the line at the knee for upper third of core section of left lung
1838	TLUC_KINT	Char	20	The intercept of the line at the knee for upper third of core section of left lung
1839	TLUC_CCUTOFF	Char	20	upper third of core section of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
1840	TLUC_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of core section of left lung to emphysema voxels
1841	TLUC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of core section of left lung to emphysema voxels
1842	TLUC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of core section of left lung to emphysema voxels
1843	TLUC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of core section of left lung to emphysema voxels
1844	TLUC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of core section of left lung to emphysema voxels
1845	TLUC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of core section of left lung to emphysema voxels
1846	TLUC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of core section of left lung to emphysema voxels
1847	TLUC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of core section of left lung to emphysema voxels
1848	TLUC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of core section of left lung
1849	TLUC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of core section of left lung

Num	Variable	Type	Len	Label
1850	TLUC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of core section of left lung
1851	TLUC_AIRWAYVX	Char	20	Total number of airway voxels in upper third of core section of left lung
1852	TLUC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of core section of left lung
1853	TLUC_VESSELVX	Char	20	Total number of vessel voxels in upper third of core section of left lung
1854	TLUC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of core section of left lung
1855	TLUP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of peel section of left lung
1856	TLUP_TOTVX	Char	20	Total number of voxels in upper third of peel section of left lung
1857	TLUP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of peel section of left lung
1858	TLUP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of peel section of left lung
1859	TLUP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of peel section of left lung
1860	TLUP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of peel section of left lung
1861	TLUP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of peel section of left lung
1862	TLUP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of peel section of left lung
1863	TLUP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of peel section of left lung
1864	TLUP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of peel section of left lung
1865	TLUP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of peel section of left lung
1866	TLUP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of peel section of left lung
1867	TLUP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of peel section of left lung
1868	TLUP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of peel section of left lung
1869	TLUP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of peel section of left lung
1870	TLUP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of peel section of left lung
1871	TLUP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of peel section of left lung
1872	TLUP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of peel section of left lung
1873	TLUP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of peel section of left lung
1874	TLUP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of peel section of left lung

Num	Variable	Type	Len	Label
1875	TLUP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of peel section of left lung
1876	TLUP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of peel section of left lung
1877	TLUP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of peel section of left lung
1878	TLUP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of peel section of left lung
1879	TLUP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of peel section of left lung
1880	TLUP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of peel section of left lung
1881	TLUP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of peel section of left lung
1882	TLUP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of peel section of left lung
1883	TLUP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of peel section of left lung
1884	TLUP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of peel section of left lung
1885	TLUP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of peel section of left lung
1886	TLUP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of peel section of left lung
1887	TLUP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of peel section of left lung
1888	TLUP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of peel section of left lung
1889	TLUP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of peel section of left lung
1890	TLUP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of peel section of left lung
1891	TLUP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of peel section of left lung
1892	TLUP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of peel section of left lung
1893	TLUP_MEAN	Char	20	Average pixel values within upper third of peel section of left lung (HU)
1894	TLUP_MED	Char	20	Median pixel values within upper third of peel section of left lung (HU)
1895	TLUP_VAR	Char	20	Variance of pixel values within upper third of peel section of left lung
1896	TLUP_SDEV	Char	20	Standard deviation of pixel values within upper third of peel section of left lung
1897	TLUP_ADEV	Char	20	Average deviation of pixel values within upper third of peel section of left lung
1898	TLUP_SKEW	Char	20	Skewness of pixel values in upper third of peel section of left lung
1899	TLUP_KURT	Char	20	Kurtosis of pixel values in upper third of peel section of left lung
1900	TLUP_FWHM	Char	20	Full width, half max (HU) for upper third of peel section of left lung
1901	TLUP_AIRV	Char	20	Total volume of air in upper third of peel section of left lung (milliliters)

Num	Variable	Type	Len	Label
1902	TLUP_TISV	Char	20	Total volume of tissue in upper third of peel section of left lung (ml)
1903	TLUP_TOTV	Char	20	Total volume of upper third of peel section of left lung (ml)
1904	TLUP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of peel section of left lung
1905	TLUP_ASLP	Char	20	The slope of the line at the ankle for upper third of peel section of left lung
1906	TLUP_AINT	Char	20	The intercept of the line at the ankle for upper third of peel section of left lung
1907	TLUP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of peel section of left lung
1908	TLUP_KSLP	Char	20	The slope of the line at the knee for upper third of peel section of left lung
1909	TLUP_KINT	Char	20	The intercept of the line at the knee for upper third of peel section of left lung
1910	TLUP_CCUTOFF	Char	20	upper third of peel section of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
1911	TLUP_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of peel section of left lung to emphysema voxels
1912	TLUP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of peel section of left lung to emphysema voxels
1913	TLUP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of peel section of left lung to emphysema voxels
1914	TLUP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of peel section of left lung to emphysema voxels
1915	TLUP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of peel section of left lung to emphysema voxels
1916	TLUP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of peel section of left lung to emphysema voxels
1917	TLUP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of peel section of left lung to emphysema voxels
1918	TLUP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of peel section of left lung to emphysema voxels
1919	TLUP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of peel section of left lung
1920	TLUP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of peel section of left lung
1921	TLUP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of peel section of left lung
1922	TLUP_AIRWAYVX	Char	20	Total number of airway voxels in upper third of peel section of left lung
1923	TLUP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of peel section of left lung
1924	TLUP_VESSELVX	Char	20	Total number of vessel voxels in upper third of peel section of left lung
1925	TLUP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of peel section of left lung
1926	TLM_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of left lung
1927	TLM_TOTVX	Char	20	Total number of voxels in middle third of left lung
1928	TLM_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of left lung
1929	TLM_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third left lung

Num	Variable	Type	Len	Label
1930	TLM_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of left lung
1931	TLM_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third left lung
1932	TLM_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of left lung
1933	TLM_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of left lung
1934	TLM_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of left lung
1935	TLM_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of left lung
1936	TLM_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of left lung
1937	TLM_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of left lung
1938	TLM_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of left lung
1939	TLM_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of left lung
1940	TLM_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of left lung
1941	TLM_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of left lung
1942	TLM_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of left lung
1943	TLM_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of left lung
1944	TLM_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of left lung
1945	TLM_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of left lung
1946	TLM_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of left lung
1947	TLM_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of left lung
1948	TLM_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of left lung
1949	TLM_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of left lung
1950	TLM_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of left lung
1951	TLM_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of left lung
1952	TLM_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of left lung
1953	TLM_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of left lung
1954	TLM_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of left lung
1955	TLM_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of left lung
1956	TLM_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of left lung
1957	TLM_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of left lung
1958	TLM_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of left lung
1959	TLM_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of left lung
1960	TLM_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of left lung
1961	TLM_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of left lung
1962	TLM_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of left lung
1963	TLM_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of left lung
1964	TLM_MEAN	Char	20	Average pixel values within middle third of left lung (HU)
1965	TLM_MED	Char	20	Median pixel values within middle third of left lung (HU)
1966	TLM_VAR	Char	20	Variance of pixel values within middle third of left lung
1967	TLM_SDEV	Char	20	Standard deviation of pixel values within middle third of left lung
1968	TLM_ADEV	Char	20	Average deviation of pixel values within middle third of left lung

Num	Variable	Type	Len	Label
1969	TLM_SKEW	Char	20	Skewness of pixel values in middle third of left lung
1970	TLM_KURT	Char	20	Kurtosis of pixel values in middle third of left lung
1971	TLM_FWHM	Char	20	Full width, half max (HU) for middle third of left lung
1972	TLM_AIRV	Char	20	Total volume of air in middle third of left lung (milliliters)
1973	TLM_TISV	Char	20	Total volume of tissue in middle third of left lung (ml)
1974	TLM_TOTV	Char	20	Total volume of middle third of left lung (ml)
1975	TLM_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of left lung
1976	TLM_ASLP	Char	20	The slope of the line at the ankle for middle third of left lung
1977	TLM_AINT	Char	20	The intercept of the line at the ankle for middle third of left lung
1978	TLM_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of left lung
1979	TLM_KSLP	Char	20	The slope of the line at the knee for middle third of left lung
1980	TLM_KINT	Char	20	The intercept of the line at the knee for middle third of left lung
1981	TLM_CCUTOFF	Char	20	middle third of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
1982	TLM_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of left lung to emphysema voxels
1983	TLM_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of left lung to emphysema voxels
1984	TLM_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of left lung to emphysema voxels
1985	TLM_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of left lung to emphysema voxels
1986	TLM_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of left lung to emphysema voxels
1987	TLM_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of left lung to emphysema voxels
1988	TLM_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of left lung to emphysema voxels
1989	TLM_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of left lung to emphysema voxels
1990	TLM_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of left lung
1991	TLM_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of left lung
1992	TLM_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of left lung
1993	TLM_AIRWAYVX	Char	20	Total number of airway voxels in middle third of left lung
1994	TLM_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of left lung
1995	TLM_VESSELVX	Char	20	Total number of vessel voxels in middle third of left lung
1996	TLM_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of left lung
1997	TLMC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of core section of left lung
1998	TLMC_TOTVX	Char	20	Total number of voxels in middle third of core section of left lung

Num	Variable	Type	Len	Label
1999	TLMC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of core section of left lung
2000	TLMC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of core section of left lung
2001	TLMC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of core section of left lung
2002	TLMC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of core section of left lung
2003	TLMC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of core section of left lung
2004	TLMC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of core section of left lung
2005	TLMC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of core section of left lung
2006	TLMC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of core section of left lung
2007	TLMC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of core section of left lung
2008	TLMC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of core section of left lung
2009	TLMC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of core section of left lung
2010	TLMC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of core section of left lung
2011	TLMC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of core section of left lung
2012	TLMC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of core section of left lung
2013	TLMC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of core section of left lung
2014	TLMC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of core section of left lung
2015	TLMC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of core section of left lung
2016	TLMC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of core section of left lung
2017	TLMC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of core section of left lung
2018	TLMC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of core section of left lung
2019	TLMC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of core section of left lung
2020	TLMC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of core section of left lung
2021	TLMC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of core section of left lung

Num	Variable	Type	Len	Label
2022	TLMC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of core section of left lung
2023	TLMC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of core section of left lung
2024	TLMC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of core section of left lung
2025	TLMC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of core section of left lung
2026	TLMC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of core section of left lung
2027	TLMC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of core section of left lung
2028	TLMC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of core section of left lung
2029	TLMC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of core section of left lung
2030	TLMC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of core section of left lung
2031	TLMC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of core section of left lung
2032	TLMC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of core section of left lung
2033	TLMC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of core section of left lung
2034	TLMC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of core section of left lung
2035	TLMC_MEAN	Char	20	Average pixel values within middle third of core section of left lung (HU)
2036	TLMC_MED	Char	20	Median pixel values within middle third of core section of left lung (HU)
2037	TLMC_VAR	Char	20	Variance of pixel values within middle third of core section of left lung
2038	TLMC_SDEV	Char	20	Standard deviation of pixel values within middle third of core section of left lung
2039	TLMC_ADEV	Char	20	Average deviation of pixel values within middle third of core section of left lung
2040	TLMC_SKEW	Char	20	Skewness of pixel values in middle third of core section of left lung
2041	TLMC_KURT	Char	20	Kurtosis of pixel values in middle third of core section of left lung
2042	TLMC_FWHM	Char	20	Full width, half max (HU) for middle third of core section of left lung
2043	TLMC_AIRV	Char	20	Total volume of air in middle third of core section of left lung (milliliters)
2044	TLMC_TISV	Char	20	Total volume of tissue in middle third of core section of left lung (ml)
2045	TLMC_TOTV	Char	20	Total volume of middle third of core section of left lung (ml)
2046	TLMC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of core section of left lung
2047	TLMC_ASLP	Char	20	The slope of the line at the ankle for middle third of core section of left lung
2048	TLMC_AINT	Char	20	The intercept of the line at the ankle for middle third of core section of left lung
2049	TLMC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of core section of left lung
2050	TLMC_KSLP	Char	20	The slope of the line at the knee for middle third of core section of left lung

Num	Variable	Type	Len	Label
2051	TLMC_KINT	Char	20	The intercept of the line at the knee for middle third of core section of left lung
2052	TLMC_CCUTOFF	Char	20	middle third of core section of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2053	TLMC_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of core section of left lung to emphysema voxels
2054	TLMC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of core section of left lung to emphysema voxels
2055	TLMC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of core section of left lung to emphysema voxels
2056	TLMC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of core section of left lung to emphysema voxels
2057	TLMC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of core section of left lung to emphysema voxels
2058	TLMC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of core section of left lung to emphysema voxels
2059	TLMC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of core section of left lung to emphysema voxels
2060	TLMC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of core section of left lung to emphysema voxels
2061	TLMC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of core section of left lung
2062	TLMC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of core section of left lung
2063	TLMC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of core section of left lung
2064	TLMC_AIRWAYVX	Char	20	Total number of airway voxels in middle third of core section of left lung
2065	TLMC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of core section of left lung
2066	TLMC_VESSELVX	Char	20	Total number of vessel voxels in middle third of core section of left lung
2067	TLMC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of core section of left lung
2068	TLMP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of peel section of left lung
2069	TLMP_TOTVX	Char	20	Total number of voxels in middle third of peel section of left lung
2070	TLMP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of peel section of left lung
2071	TLMP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of peel section of left lung
2072	TLMP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of peel section of left lung
2073	TLMP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of peel section of left lung
2074	TLMP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of peel section of left lung
2075	TLMP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of peel section of left lung

Num	Variable	Type	Len	Label
2076	TLMP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of peel section of left lung
2077	TLMP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of peel section of left lung
2078	TLMP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of peel section of left lung
2079	TLMP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of peel section of left lung
2080	TLMP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of peel section of left lung
2081	TLMP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of peel section of left lung
2082	TLMP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of peel section of left lung
2083	TLMP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of peel section of left lung
2084	TLMP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of peel section of left lung
2085	TLMP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of peel section of left lung
2086	TLMP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of peel section of left lung
2087	TLMP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of peel section of left lung
2088	TLMP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of peel section of left lung
2089	TLMP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of peel section of left lung
2090	TLMP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of peel section of left lung
2091	TLMP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of peel section of left lung
2092	TLMP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of peel section of left lung
2093	TLMP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of peel section of left lung
2094	TLMP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of peel section of left lung
2095	TLMP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of peel section of left lung
2096	TLMP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of peel section of left lung
2097	TLMP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of peel section of left lung
2098	TLMP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of peel section of left lung

Num	Variable	Type	Len	Label
2099	TLMP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of peel section of left lung
2100	TLMP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of peel section of left lung
2101	TLMP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of peel section of left lung
2102	TLMP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of peel section of left lung
2103	TLMP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of peel section of left lung
2104	TLMP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of peel section of left lung
2105	TLMP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of peel section of left lung
2106	TLMP_MEAN	Char	20	Average pixel values within middle third of peel section of left lung (HU)
2107	TLMP_MED	Char	20	Median pixel values within middle third of peel section of left lung (HU)
2108	TLMP_VAR	Char	20	Variance of pixel values within middle third of peel section of left lung
2109	TLMP_SDEV	Char	20	Standard deviation of pixel values within middle third of peel section of left lung
2110	TLMP_ADEV	Char	20	Average deviation of pixel values within middle third of peel section of left lung
2111	TLMP_SKEW	Char	20	Skewness of pixel values in middle third of peel section of left lung
2112	TLMP_KURT	Char	20	Kurtosis of pixel values in middle third of peel section of left lung
2113	TLMP_FWHM	Char	20	Full width, half max (HU) for middle third of peel section of left lung
2114	TLMP_AIRV	Char	20	Total volume of air in middle third of peel section of left lung (milliliters)
2115	TLMP_TISV	Char	20	Total volume of tissue in middle third of peel section of left lung (ml)
2116	TLMP_TOTV	Char	20	Total volume of middle third of peel section of left lung (ml)
2117	TLMP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of peel section of left lung
2118	TLMP_ASLP	Char	20	The slope of the line at the ankle for middle third of peel section of left lung
2119	TLMP_AINT	Char	20	The intercept of the line at the ankle for middle third of peel section of left lung
2120	TLMP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of peel section of left lung
2121	TLMP_KSLP	Char	20	The slope of the line at the knee for middle third of peel section of left lung
2122	TLMP_KINT	Char	20	The intercept of the line at the knee for middle third of peel section of left lung
2123	TLMP_CCUTOFF	Char	20	middle third of peel section of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2124	TLMP_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of peel section of left lung to emphysema voxels
2125	TLMP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of peel section of left lung to emphysema voxels
2126	TLMP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of peel section of left lung to emphysema voxels
2127	TLMP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of peel section of left lung to emphysema voxels

Num	Variable	Type	Len	Label
2128	TLMP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of peel section of left lung to emphysema voxels
2129	TLMP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of peel section of left lung to emphysema voxels
2130	TLMP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of peel section of left lung to emphysema voxels
2131	TLMP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of peel section of left lung to emphysema voxels
2132	TLMP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of peel section of left lung
2133	TLMP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of peel section of left lung
2134	TLMP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of peel section of left lung
2135	TLMP_AIRWAYVX	Char	20	Total number of airway voxels in middle third of peel section of left lung
2136	TLMP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of peel section of left lung
2137	TLMP_VESSELVX	Char	20	Total number of vessel voxels in middle third of peel section of left lung
2138	TLMP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of peel section of left lung
2139	TLL_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower third of left lung
2140	TLL_TOTVX	Char	20	Total number of voxels in lower third of left lung
2141	TLL_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower third of left lung
2142	TLL_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower third of left lung
2143	TLL_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower third of left lung
2144	TLL_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower third of left lung
2145	TLL_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower third of left lung
2146	TLL_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower third of left lung
2147	TLL_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower third of left lung
2148	TLL_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower third of left lung
2149	TLL_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower third of left lung
2150	TLL_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower third of left lung
2151	TLL_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower third of left lung
2152	TLL_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower third of left lung
2153	TLL_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower third of left lung
2154	TLL_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower third of left lung
2155	TLL_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower third of left lung
2156	TLL_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower third of left lung
2157	TLL_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower third of left lung
2158	TLL_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower third of left lung
2159	TLL_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower third of left lung
2160	TLL_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower third of left lung

Num	Variable	Type	Len	Label
2161	TLL_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower third of left lung
2162	TLL_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower third of left lung
2163	TLL_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower third of left lung
2164	TLL_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower third of left lung
2165	TLL_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower third of left lung
2166	TLL_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower third of left lung
2167	TLL_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower third of left lung
2168	TLL_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower third of left lung
2169	TLL_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower third of left lung
2170	TLL_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower third of left lung
2171	TLL_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower third of left lung
2172	TLL_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower third of left lung
2173	TLL_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower third of left lung
2174	TLL_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower third of left lung
2175	TLL_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower third of left lung
2176	TLL_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower third of left lung
2177	TLL_MEAN	Char	20	Average pixel values within lower third of left lung (HU)
2178	TLL_MED	Char	20	Median pixel values within lower third of left lung (HU)
2179	TLL_VAR	Char	20	Variance of pixel values within lower third of left lung
2180	TLL_SDEV	Char	20	Standard deviation of pixel values within lower third of left lung
2181	TLL_ADEV	Char	20	Average deviation of pixel values within lower third of left lung
2182	TLL_SKEW	Char	20	Skewness of pixel values in lower third of left lung
2183	TLL_KURT	Char	20	Kurtosis of pixel values in lower third of left lung
2184	TLL_FWHM	Char	20	Full width, half max (HU) for lower third of left lung
2185	TLL_AIRV	Char	20	Total volume of air in lower third of left lung (milliliters)
2186	TLL_TISV	Char	20	Total volume of tissue in lower third of left lung (ml)
2187	TLL_TOTV	Char	20	Total volume of lower third of left lung (ml)
2188	TLL_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower third of left lung
2189	TLL_ASLP	Char	20	The slope of the line at the ankle for lower third of left lung
2190	TLL_AINT	Char	20	The intercept of the line at the ankle for lower third of left lung
2191	TLL_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower third of left lung
2192	TLL_KSLP	Char	20	The slope of the line at the knee for lower third of left lung
2193	TLL_KINT	Char	20	The intercept of the line at the knee for lower third of left lung
2194	TLL_CCUTOFF	Char	20	lower third of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2195	TLL_CVM	Char	20	Mean length of vectors drawn from the centroid oflower third of left lung to emphysema voxels

Num	Variable	Type	Len	Label
2196	TLL_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower third of left lung to emphysema voxels
2197	TLL_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower third of left lung to emphysema voxels
2198	TLL_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower third of left lung to emphysema voxels
2199	TLL_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower third of left lung to emphysema voxels
2200	TLL_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower third of left lung to emphysema voxels
2201	TLL_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower third of left lung to emphysema voxels
2202	TLL_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower third of left lung to emphysema voxels
2203	TLL_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower third of left lung
2204	TLL_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower third of left lung
2205	TLL_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower third of left lung
2206	TLL_AIRWAYVX	Char	20	Total number of airway voxels in lower third of left lung
2207	TLL_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower third of left lung
2208	TLL_VESSELVX	Char	20	Total number of vessel voxels in lower third of left lung
2209	TLL_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower third of left lung
2210	TLLC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower left third of the core section of the lung
2211	TLLC_TOTVX	Char	20	Total number of voxels in lower left third of the core section of the lung
2212	TLLC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower left third of the core section of the lung
2213	TLLC_E1024	Char	20	Number of voxels equal to -1000 hounsfield units lower left third of the core section of the lung
2214	TLLC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower left third of the core section of the lung
2215	TLLC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units lower left third of the core section of the lung
2216	TLLC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower left third of the core section of the lung
2217	TLLC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower left third of the core section of the lung
2218	TLLC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower left third of the core section of the lung
2219	TLLC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower left third of the core section of the lung
2220	TLLC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower left third of the core section of the lung
2221	TLLC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower left third of the core section of the lung

Num	Variable	Type	Len	Label
2222	TLLC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower left third of the core section of the lung
2223	TLLC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower left third of the core section of the lung
2224	TLLC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower left third of the core section of the lung
2225	TLLC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower left third of the core section of the lung
2226	TLLC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower left third of the core section of the lung
2227	TLLC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower left third of the core section of the lung
2228	TLLC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower left third of the core section of the lung
2229	TLLC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower left third of the core section of the lung
2230	TLLC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower left third of the core section of the lung
2231	TLLC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower left third of the core section of the lung
2232	TLLC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower left third of the core section of the lung
2233	TLLC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower left third of the core section of the lung
2234	TLLC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower left third of the core section of the lung
2235	TLLC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower left third of the core section of the lung
2236	TLLC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower left third of the core section of the lung
2237	TLLC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower left third of the core section of the lung
2238	TLLC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower left third of the core section of the lung
2239	TLLC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower left third of the core section of the lung
2240	TLLC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower left third of the core section of the lung
2241	TLLC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower left third of the core section of the lung
2242	TLLC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower left third of the core section of the lung
2243	TLLC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower left third of the core section of the lung
2244	TLLC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower left third of the core section of the lung

Num	Variable	Type	Len	Label
2245	TLLC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower left third of the core section of the lung
2246	TLLC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower left third of the core section of the lung
2247	TLLC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower left third of the core section of the lung
2248	TLLC_MEAN	Char	20	Average pixel values within lower left third of the core section of the lung (HU)
2249	TLLC_MED	Char	20	Median pixel values within lower left third of the core section of the lung (HU)
2250	TLLC_VAR	Char	20	Variance of pixel values within lower left third of the core section of the lung
2251	TLLC_SDEV	Char	20	Standard deviation of pixel values within lower left third of the core section of the lung
2252	TLLC_ADEV	Char	20	Average deviation of pixel values within lower left third of the core section of the lung
2253	TLLC_SKEW	Char	20	Skewness of pixel values in lower left third of the core section of the lung
2254	TLLC_KURT	Char	20	Kurtosis of pixel values in lower left third of the core section of the lung
2255	TLLC_FWHM	Char	20	Full width, half max (HU) for lower left third of the core section of the lung
2256	TLLC_AIRV	Char	20	Total volume of air in lower left third of the core section of the lung (milliliters)
2257	TLLC_TISV	Char	20	Total volume of tissue in lower left third of the core section of the lung (ml)
2258	TLLC_TOTV	Char	20	Total volume of lower left third of the core section of the lung (ml)
2259	TLLC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower left third of the core section of the lung
2260	TLLC_ASLP	Char	20	The slope of the line at the ankle for lower left third of the core section of the lung
2261	TLLC_AINT	Char	20	The intercept of the line at the ankle for lower left third of the core section of the lung
2262	TLLC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower left third of the core section of the lung
2263	TLLC_KSLP	Char	20	The slope of the line at the knee for lower left third of the core section of the lung
2264	TLLC_KINT	Char	20	The intercept of the line at the knee for lower left third of the core section of the lung
2265	TLLC_CCUTOFF	Char	20	lower left third of the core section of the lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
2266	TLLC_CVM	Char	20	Mean length of vectors drawn from the centroid oflower left third of the core section of the lung to emphysema voxels
2267	TLLC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower left third of the core section of the lung to emphysema voxels
2268	TLLC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower left third of the core section of the lung to emphysema voxels
2269	TLLC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower left third of the core section of the lung to emphysema voxels
2270	TLLC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower left third of the core section of the lung to emphysema voxels
2271	TLLC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower left third of the core section of the lung to emphysema voxels
2272	TLLC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower left third of the core section of the lung to emphysema voxels
2273	TLLC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower left third of the core section of the lung to emphysema voxels

Num	Variable	Type	Len	Label
2274	TLLC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower left third of the core section of the lung
2275	TLLC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower left third of the core section of the lung
2276	TLLC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower left third of the core section of the lung
2277	TLLC_AIRWAYVX	Char	20	Total number of airway voxels in lower left third of the core section of the lung
2278	TLLC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower left third of the core section of the lung
2279	TLLC_VESSELVX	Char	20	Total number of vessel voxels in lower left third of the core section of the lung
2280	TLLC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower left third of the core section of the lung
2281	TLLP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower left third of the peel section of the lung
2282	TLLP_TOTVX	Char	20	Total number of voxels in lower left third of the peel section of the lung
2283	TLLP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower left third of the peel section of the lung
2284	TLLP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower left third of the peel section of the lung
2285	TLLP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower left third of the peel section of the lung
2286	TLLP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower left third of the peel section of the lung
2287	TLLP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower left third of the peel section of the lung
2288	TLLP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower left third of the peel section of the lung
2289	TLLP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower left third of the peel section of the lung
2290	TLLP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower left third of the peel section of the lung
2291	TLLP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower left third of the peel section of the lung
2292	TLLP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower left third of the peel section of the lung
2293	TLLP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower left third of the peel section of the lung
2294	TLLP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower left third of the peel section of the lung
2295	TLLP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower left third of the peel section of the lung
2296	TLLP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower left third of the peel section of the lung
2297	TLLP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower left third of the peel section of the lung
2298	TLLP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower left third of the peel section of the lung

Num	Variable	Type	Len	Label
2299	TLLP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower left third of the peel section of the lung
2300	TLLP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower left third of the peel section of the lung
2301	TLLP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower left third of the peel section of the lung
2302	TLLP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower left third of the peel section of the lung
2303	TLLP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower left third of the peel section of the lung
2304	TLLP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower left third of the peel section of the lung
2305	TLLP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower left third of the peel section of the lung
2306	TLLP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower left third of the peel section of the lung
2307	TLLP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower left third of the peel section of the lung
2308	TLLP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower left third of the peel section of the lung
2309	TLLP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower left third of the peel section of the lung
2310	TLLP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower left third of the peel section of the lung
2311	TLLP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower left third of the peel section of the lung
2312	TLLP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower left third of the peel section of the lung
2313	TLLP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower left third of the peel section of the lung
2314	TLLP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower left third of the peel section of the lung
2315	TLLP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower left third of the peel section of the lung
2316	TLLP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower left third of the peel section of the lung
2317	TLLP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower left third of the peel section of the lung
2318	TLLP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower left third of the peel section of the lung
2319	TLLP_MEAN	Char	20	Average pixel values within lower left third of the peel section of the lung (HU)
2320	TLLP_MED	Char	20	Median pixel values within lower left third of the peel section of the lung (HU)
2321	TLLP_VAR	Char	20	Variance of pixel values within lower left third of the peel section of the lung
2322	TLLP_SDEV	Char	20	Standard deviation of pixel values within lower left third of the peel section of the lung
2323	TLLP_ADEV	Char	20	Average deviation of pixel values within lower left third of the peel section of the lung
2324	TLLP_SKEW	Char	20	Skewness of pixel values in lower left third of the peel section of the lung

Num	Variable	Type	Len	Label
2325	TLLP_KURT	Char	20	Kurtosis of pixel values in lower left third of the peel section of the lung
2326	TLLP_FWHM	Char	20	Full width, half max (HU) for lower left third of the peel section of the lung
2327	TLLP_AIRV	Char	20	Total volume of air in lower left third of the peel section of the lung (milliliters)
2328	TLLP_TISV	Char	20	Total volume of tissue in lower left third of the peel section of the lung (ml)
2329	TLLP_TOTV	Char	20	Total volume of lower left third of the peel section of the lung (ml)
2330	TLLP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower left third of the peel section of the lung
2331	TLLP_ASLP	Char	20	The slope of the line at the ankle for lower left third of the peel section of the lung
2332	TLLP_AINT	Char	20	The intercept of the line at the ankle for lower left third of the peel section of the lung
2333	TLLP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower left third of the peel section of the lung
2334	TLLP_KSLP	Char	20	The slope of the line at the knee for lower left third of the peel section of the lung
2335	TLLP_KINT	Char	20	The intercept of the line at the knee for lower left third of the peel section of the lung
2336	TLLP_CCUTOFF	Char	20	lower left third of the peel section of the lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2337	TLLP_CVM	Char	20	Mean length of vectors drawn from the centroid oflower left third of the peel section of the lung to emphysema voxels
2338	TLLP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2339	TLLP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2340	TLLP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2341	TLLP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2342	TLLP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2343	TLLP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower left third of the peel section of the lung to emphysema voxels
2344	TLLP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower left third of the peel section of the lung to emphysema voxels
2345	TLLP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower left third of the peel section of the lung
2346	TLLP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower left third of the peel section of the lung
2347	TLLP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower left third of the peel section of the lung
2348	TLLP_AIRWAYVX	Char	20	Total number of airway voxels in lower left third of the peel section of the lung
2349	TLLP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower left third of the peel section of the lung
2350	TLLP_VESSELVX	Char	20	Total number of vessel voxels in lower left third of the peel section of the lung
2351	TLLP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower left third of the peel section of the lung
2352	TRU_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of right lung

Num	Variable	Type	Len	Label
2353	TRU_TOTVX	Char	20	Total number of voxels in upper third of right lung
2354	TRU_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of right lung
2355	TRU_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of right lung
2356	TRU_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of right lung
2357	TRU_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of right lung
2358	TRU_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of right lung
2359	TRU_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of right lung
2360	TRU_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of right lung
2361	TRU_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of right lung
2362	TRU_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of right lung
2363	TRU_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of right lung
2364	TRU_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of right lung
2365	TRU_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of right lung
2366	TRU_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of right lung
2367	TRU_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of right lung
2368	TRU_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of right lung
2369	TRU_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of right lung
2370	TRU_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of right lung
2371	TRU_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of right lung
2372	TRU_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of right lung
2373	TRU_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of right lung
2374	TRU_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of right lung
2375	TRU_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of right lung
2376	TRU_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of right lung
2377	TRU_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of right lung
2378	TRU_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of right lung
2379	TRU_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of right lung
2380	TRU_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of right lung
2381	TRU_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of right lung
2382	TRU_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of right lung
2383	TRU_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of right lung
2384	TRU_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of right lung
2385	TRU_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of right lung
2386	TRU_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of right lung
2387	TRU_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of right lung
2388	TRU_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of right lung
2389	TRU_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of right lung
2390	TRU_MEAN	Char	20	Average pixel values within upper third of right lung (HU)
2391	TRU_MED	Char	20	Median pixel values within upper third of right lung (HU)

Num	Variable	Type	Len	Label
2392	TRU_VAR	Char	20	Variance of pixel values within upper third of right lung
2393	TRU_SDEV	Char	20	Standard deviation of pixel values within upper third of right lung
2394	TRU_ADEV	Char	20	Average deviation of pixel values within upper third of right lung
2395	TRU_SKEW	Char	20	Skewness of pixel values in upper third of right lung
2396	TRU_KURT	Char	20	Kurtosis of pixel values in upper third of right lung
2397	TRU_FWHM	Char	20	Full width, half max (HU) for upper third of right lung
2398	TRU_AIRV	Char	20	Total volume of air in upper third of right lung (milliliters)
2399	TRU_TISV	Char	20	Total volume of tissue in upper third of right lung (ml)
2400	TRU_TOTV	Char	20	Total volume of upper third of right lung (ml)
2401	TRU_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of right lung
2402	TRU_ASLP	Char	20	The slope of the line at the ankle for upper third of right lung
2403	TRU_AINT	Char	20	The intercept of the line at the ankle for upper third of right lung
2404	TRU_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of right lung
2405	TRU_KSLP	Char	20	The slope of the line at the knee for upper third of right lung
2406	TRU_KINT	Char	20	The intercept of the line at the knee for upper third of right lung
2407	TRU_CCUTOFF	Char	20	upper third of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2408	TRU_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of right lung to emphysema voxels
2409	TRU_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of right lung to emphysema voxels
2410	TRU_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of right lung to emphysema voxels
2411	TRU_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of right lung to emphysema voxels
2412	TRU_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of right lung to emphysema voxels
2413	TRU_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of right lung to emphysema voxels
2414	TRU_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of right lung to emphysema voxels
2415	TRU_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of right lung to emphysema voxels
2416	TRU_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of right lung
2417	TRU_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of right lung
2418	TRU_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of right lung
2419	TRU_AIRWAYVX	Char	20	Total number of airway voxels in upper third of right lung
2420	TRU_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of right lung
2421	TRU_VESSELVX	Char	20	Total number of vessel voxels in upper third of right lung

Num	Variable	Type	Len	Label
2422	TRU_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of right lung
2423	TRUC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of core section of right lung
2424	TRUC_TOTVX	Char	20	Total number of voxels in upper third of core section of right lung
2425	TRUC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of core section of right lung
2426	TRUC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of core section of right lung
2427	TRUC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of core section of right lung
2428	TRUC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of core section of right lung
2429	TRUC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of core section of right lung
2430	TRUC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of core section of right lung
2431	TRUC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of core section of right lung
2432	TRUC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of core section of right lung
2433	TRUC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of core section of right lung
2434	TRUC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of core section of right lung
2435	TRUC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of core section of right lung
2436	TRUC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of core section of right lung
2437	TRUC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of core section of right lung
2438	TRUC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of core section of right lung
2439	TRUC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of core section of right lung
2440	TRUC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of core section of right lung
2441	TRUC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of core section of right lung
2442	TRUC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of core section of right lung
2443	TRUC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of core section of right lung
2444	TRUC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of core section of right lung
2445	TRUC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of core section of right lung

Num	Variable	Type	Len	Label
2446	TRUC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of core section of right lung
2447	TRUC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of core section of right lung
2448	TRUC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of core section of right lung
2449	TRUC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of core section of right lung
2450	TRUC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of core section of right lung
2451	TRUC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of core section of right lung
2452	TRUC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of core section of right lung
2453	TRUC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of core section of right lung
2454	TRUC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of core section of right lung
2455	TRUC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of core section of right lung
2456	TRUC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of core section of right lung
2457	TRUC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of core section of right lung
2458	TRUC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of core section of right lung
2459	TRUC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of core section of right lung
2460	TRUC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of core section of right lung
2461	TRUC_MEAN	Char	20	Average pixel values within upper third of core section of right lung (HU)
2462	TRUC_MED	Char	20	Median pixel values within upper third of core section of right lung (HU)
2463	TRUC_VAR	Char	20	Variance of pixel values within upper third of core section of right lung
2464	TRUC_SDEV	Char	20	Standard deviation of pixel values within upper third of core section of right lung
2465	TRUC_ADEV	Char	20	Average deviation of pixel values within upper third of core section of right lung
2466	TRUC_SKEW	Char	20	Skewness of pixel values in upper third of core section of right lung
2467	TRUC_KURT	Char	20	Kurtosis of pixel values in upper third of core section of right lung
2468	TRUC_FWHM	Char	20	Full width, half max (HU) for upper third of core section of right lung
2469	TRUC_AIRV	Char	20	Total volume of air in upper third of core section of right lung (milliliters)
2470	TRUC_TISV	Char	20	Total volume of tissue in upper third of core section of right lung (ml)
2471	TRUC_TOTV	Char	20	Total volume of upper third of core section of right lung (ml)
2472	TRUC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of core section of right lung
2473	TRUC_ASLP	Char	20	The slope of the line at the ankle for upper third of core section of right lung

Num	Variable	Type	Len	Label
2474	TRUC_AINT	Char	20	The intercept of the line at the ankle for upper third of core section of right lung
2475	TRUC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of core section of right lung
2476	TRUC_KSLP	Char	20	The slope of the line at the knee for upper third of core section of right lung
2477	TRUC_KINT	Char	20	The intercept of the line at the knee for upper third of core section of right lung
2478	TRUC_CCUTOFF	Char	20	upper third of core section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2479	TRUC_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of core section of right lung to emphysema voxels
2480	TRUC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of core section of right lung to emphysema voxels
2481	TRUC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of core section of right lung to emphysema voxels
2482	TRUC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of core section of right lung to emphysema voxels
2483	TRUC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of core section of right lung to emphysema voxels
2484	TRUC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of core section of right lung to emphysema voxels
2485	TRUC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of core section of right lung to emphysema voxels
2486	TRUC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of core section of right lung to emphysema voxels
2487	TRUC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of core section of right lung
2488	TRUC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of core section of right lung
2489	TRUC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of core section of right lung
2490	TRUC_AIRWAYVX	Char	20	Total number of airway voxels in upper third of core section of right lung
2491	TRUC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of core section of right lung
2492	TRUC_VESSELVX	Char	20	Total number of vessel voxels in upper third of core section of right lung
2493	TRUC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of core section of right lung
2494	TRUP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of peel section of right lung
2495	TRUP_TOTVX	Char	20	Total number of voxels in upper third of peel section of right lung
2496	TRUP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of peel section of right lung
2497	TRUP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of peel section of right lung
2498	TRUP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of peel section of right lung
2499	TRUP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of peel section of right lung

Num	Variable	Type	Len	Label
2500	TRUP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of peel section of right lung
2501	TRUP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of peel section of right lung
2502	TRUP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of peel section of right lung
2503	TRUP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of peel section of right lung
2504	TRUP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of peel section of right lung
2505	TRUP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of peel section of right lung
2506	TRUP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of peel section of right lung
2507	TRUP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of peel section of right lung
2508	TRUP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of peel section of right lung
2509	TRUP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of peel section of right lung
2510	TRUP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of peel section of right lung
2511	TRUP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of peel section of right lung
2512	TRUP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of peel section of right lung
2513	TRUP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of peel section of right lung
2514	TRUP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of peel section of right lung
2515	TRUP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of peel section of right lung
2516	TRUP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of peel section of right lung
2517	TRUP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of peel section of right lung
2518	TRUP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of peel section of right lung
2519	TRUP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of peel section of right lung
2520	TRUP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of peel section of right lung
2521	TRUP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of peel section of right lung
2522	TRUP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of peel section of right lung

Num	Variable	Type	Len	Label
2523	TRUP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of peel section of right lung
2524	TRUP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of peel section of right lung
2525	TRUP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of peel section of right lung
2526	TRUP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of peel section of right lung
2527	TRUP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of peel section of right lung
2528	TRUP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of peel section of right lung
2529	TRUP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of peel section of right lung
2530	TRUP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of peel section of right lung
2531	TRUP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of peel section of right lung
2532	TRUP_MEAN	Char	20	Average pixel values within upper third of peel section of right lung (HU)
2533	TRUP_MED	Char	20	Median pixel values within upper third of peel section of right lung (HU)
2534	TRUP_VAR	Char	20	Variance of pixel values within upper third of peel section of right lung
2535	TRUP_SDEV	Char	20	Standard deviation of pixel values within upper third of peel section of right lung
2536	TRUP_ADEV	Char	20	Average deviation of pixel values within upper third of peel section of right lung
2537	TRUP_SKEW	Char	20	Skewness of pixel values in upper third of peel section of right lung
2538	TRUP_KURT	Char	20	Kurtosis of pixel values in upper third of peel section of right lung
2539	TRUP_FWHM	Char	20	Full width, half max (HU) for upper third of peel section of right lung
2540	TRUP_AIRV	Char	20	Total volume of air in upper third of peel section of right lung (milliliters)
2541	TRUP_TISV	Char	20	Total volume of tissue in upper third of peel section of right lung (ml)
2542	TRUP_TOTV	Char	20	Total volume of upper third of peel section of right lung (ml)
2543	TRUP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of peel section of right lung
2544	TRUP_ASLP	Char	20	The slope of the line at the ankle for upper third of peel section of right lung
2545	TRUP_AINT	Char	20	The intercept of the line at the ankle for upper third of peel section of right lung
2546	TRUP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of peel section of right lung
2547	TRUP_KSLP	Char	20	The slope of the line at the knee for upper third of peel section of right lung
2548	TRUP_KINT	Char	20	The intercept of the line at the knee for upper third of peel section of right lung
2549	TRUP_CCUTOFF	Char	20	upper third of peel section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2550	TRUP_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of peel section of right lung to emphysema voxels
2551	TRUP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of peel section of right lung to emphysema voxels

Num	Variable	Type	Len	Label
2552	TRUP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of peel section of right lung to emphysema voxels
2553	TRUP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of peel section of right lung to emphysema voxels
2554	TRUP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of peel section of right lung to emphysema voxels
2555	TRUP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of peel section of right lung to emphysema voxels
2556	TRUP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of peel section of right lung to emphysema voxels
2557	TRUP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of peel section of right lung to emphysema voxels
2558	TRUP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of peel section of right lung
2559	TRUP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of peel section of right lung
2560	TRUP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of peel section of right lung
2561	TRUP_AIRWAYVX	Char	20	Total number of airway voxels in upper third of peel section of right lung
2562	TRUP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of peel section of right lung
2563	TRUP_VESSELVX	Char	20	Total number of vessel voxels in upper third of peel section of right lung
2564	TRUP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of peel section of right lung
2565	TRM_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of right lung
2566	TRM_TOTVX	Char	20	Total number of voxels in middle third of right lung
2567	TRM_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of right lung
2568	TRM_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of right lung
2569	TRM_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of right lung
2570	TRM_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of right lung
2571	TRM_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of right lung
2572	TRM_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of right lung
2573	TRM_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of right lung
2574	TRM_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of right lung
2575	TRM_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of right lung
2576	TRM_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of right lung
2577	TRM_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of right lung
2578	TRM_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of right lung
2579	TRM_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of right lung
2580	TRM_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of right lung
2581	TRM_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of right lung

Num	Variable	Type	Len	Label
2582	TRM_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of right lung
2583	TRM_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of right lung
2584	TRM_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of right lung
2585	TRM_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of right lung
2586	TRM_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of right lung
2587	TRM_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of right lung
2588	TRM_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of right lung
2589	TRM_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of right lung
2590	TRM_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of right lung
2591	TRM_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of right lung
2592	TRM_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of right lung
2593	TRM_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of right lung
2594	TRM_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of right lung
2595	TRM_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of right lung
2596	TRM_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of right lung
2597	TRM_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of right lung
2598	TRM_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of right lung
2599	TRM_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of right lung
2600	TRM_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of right lung
2601	TRM_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of right lung
2602	TRM_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of right lung
2603	TRM_MEAN	Char	20	Average pixel values within middle third of right lung (HU)
2604	TRM_MED	Char	20	Median pixel values within middle third of right lung (HU)
2605	TRM_VAR	Char	20	Variance of pixel values within middle third of right lung
2606	TRM_SDEV	Char	20	Standard deviation of pixel values within middle third of right lung
2607	TRM_ADEV	Char	20	Average deviation of pixel values within middle third of right lung
2608	TRM_SKEW	Char	20	Skewness of pixel values in middle third of right lung
2609	TRM_KURT	Char	20	Kurtosis of pixel values in middle third of right lung
2610	TRM_FWHM	Char	20	Full width, half max (HU) for middle third of right lung
2611	TRM_AIRV	Char	20	Total volume of air in middle third of right lung (milliliters)
2612	TRM_TISV	Char	20	Total volume of tissue in middle third of right lung (ml)
2613	TRM_TOTV	Char	20	Total volume of middle third of right lung (ml)
2614	TRM_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of right lung
2615	TRM_ASLP	Char	20	The slope of the line at the ankle for middle third of right lung
2616	TRM_AINT	Char	20	The intercept of the line at the ankle for middle third of right lung
2617	TRM_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of right lung
2618	TRM_KSLP	Char	20	The slope of the line at the knee for middle third of right lung

Num	Variable	Type	Len	Label
2619	TRM_KINT	Char	20	The intercept of the line at the knee for middle third of right lung
2620	TRM_CCUTOFF	Char	20	middle third of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2621	TRM_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of right lung to emphysema voxels
2622	TRM_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of right lung to emphysema voxels
2623	TRM_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of right lung to emphysema voxels
2624	TRM_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of right lung to emphysema voxels
2625	TRM_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of right lung to emphysema voxels
2626	TRM_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of right lung to emphysema voxels
2627	TRM_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of right lung to emphysema voxels
2628	TRM_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of right lung to emphysema voxels
2629	TRM_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of right lung
2630	TRM_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of right lung
2631	TRM_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of right lung
2632	TRM_AIRWAYVX	Char	20	Total number of airway voxels in middle third of right lung
2633	TRM_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of right lung
2634	TRM_VESSELVX	Char	20	Total number of vessel voxels in middle third of right lung
2635	TRM_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of right lung
2636	TRMC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of core section of right lung
2637	TRMC_TOTVX	Char	20	Total number of voxels in middle third of core section of right lung
2638	TRMC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of core section of right lung
2639	TRMC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of core section of right lung
2640	TRMC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of core section of right lung
2641	TRMC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of core section of right lung
2642	TRMC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of core section of right lung
2643	TRMC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of core section of right lung
2644	TRMC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of core section of right lung

Num	Variable	Type	Len	Label
2645	TRMC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of core section of right lung
2646	TRMC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of core section of right lung
2647	TRMC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of core section of right lung
2648	TRMC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of core section of right lung
2649	TRMC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of core section of right lung
2650	TRMC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of core section of right lung
2651	TRMC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of core section of right lung
2652	TRMC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of core section of right lung
2653	TRMC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of core section of right lung
2654	TRMC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of core section of right lung
2655	TRMC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of core section of right lung
2656	TRMC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of core section of right lung
2657	TRMC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of core section of right lung
2658	TRMC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of core section of right lung
2659	TRMC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of core section of right lung
2660	TRMC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of core section of right lung
2661	TRMC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of core section of right lung
2662	TRMC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of core section of right lung
2663	TRMC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of core section of right lung
2664	TRMC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of core section of right lung
2665	TRMC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of core section of right lung
2666	TRMC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of core section of right lung
2667	TRMC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of core section of right lung

Num	Variable	Type	Len	Label
2668	TRMC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of core section of right lung
2669	TRMC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of core section of right lung
2670	TRMC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of core section of right lung
2671	TRMC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of core section of right lung
2672	TRMC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of core section of right lung
2673	TRMC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of core section of right lung
2674	TRMC_MEAN	Char	20	Average pixel values within middle third of core section of right lung (HU)
2675	TRMC_MED	Char	20	Median pixel values within middle third of core section of right lung (HU)
2676	TRMC_VAR	Char	20	Variance of pixel values within middle third of core section of right lung
2677	TRMC_SDEV	Char	20	Standard deviation of pixel values within middle third of core section of right lung
2678	TRMC_ADEV	Char	20	Average deviation of pixel values within middle third of core section of right lung
2679	TRMC_SKEW	Char	20	Skewness of pixel values in middle third of core section of right lung
2680	TRMC_KURT	Char	20	Kurtosis of pixel values in middle third of core section of right lung
2681	TRMC_FWHM	Char	20	Full width, half max (HU) for middle third of core section of right lung
2682	TRMC_AIRV	Char	20	Total volume of air in middle third of core section of right lung (milliliters)
2683	TRMC_TISV	Char	20	Total volume of tissue in middle third of core section of right lung (ml)
2684	TRMC_TOTV	Char	20	Total volume of middle third of core section of right lung (ml)
2685	TRMC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of core section of right lung
2686	TRMC_ASLP	Char	20	The slope of the line at the ankle for middle third of core section of right lung
2687	TRMC_AINT	Char	20	The intercept of the line at the ankle for middle third of core section of right lung
2688	TRMC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of core section of right lung
2689	TRMC_KSLP	Char	20	The slope of the line at the knee for middle third of core section of right lung
2690	TRMC_KINT	Char	20	The intercept of the line at the knee for middle third of core section of right lung
2691	TRMC_CCUTOFF	Char	20	middle third of core section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2692	TRMC_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of core section of right lung to emphysema voxels
2693	TRMC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of core section of right lung to emphysema voxels
2694	TRMC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of core section of right lung to emphysema voxels
2695	TRMC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of core section of right lung to emphysema voxels
2696	TRMC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of core section of right lung to emphysema voxels

Num	Variable	Type	Len	Label
2697	TRMC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of core section of right lung to emphysema voxels
2698	TRMC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of core section of right lung to emphysema voxels
2699	TRMC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of core section of right lung to emphysema voxels
2700	TRMC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of core section of right lung
2701	TRMC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of core section of right lung
2702	TRMC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of core section of right lung
2703	TRMC_AIRWAYVX	Char	20	Total number of airway voxels in middle third of core section of right lung
2704	TRMC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of core section of right lung
2705	TRMC_VESSELVX	Char	20	Total number of vessel voxels in middle third of core section of right lung
2706	TRMC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of core section of right lung
2707	TRMP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of peel section of right lung
2708	TRMP_TOTVX	Char	20	Total number of voxels in middle third of peel section of right lung
2709	TRMP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of peel section of right lung
2710	TRMP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of peel section of right lung
2711	TRMP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of peel section of right lung
2712	TRMP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of peel section of right lung
2713	TRMP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of peel section of right lung
2714	TRMP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of peel section of right lung
2715	TRMP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of peel section of right lung
2716	TRMP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of peel section of right lung
2717	TRMP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of peel section of right lung
2718	TRMP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of peel section of right lung
2719	TRMP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of peel section of right lung
2720	TRMP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of peel section of right lung
2721	TRMP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of peel section of right lung

Num	Variable	Type	Len	Label
2722	TRMP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of peel section of right lung
2723	TRMP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of peel section of right lung
2724	TRMP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of peel section of right lung
2725	TRMP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of peel section of right lung
2726	TRMP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of peel section of right lung
2727	TRMP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of peel section of right lung
2728	TRMP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of peel section of right lung
2729	TRMP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of peel section of right lung
2730	TRMP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of peel section of right lung
2731	TRMP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of peel section of right lung
2732	TRMP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of peel section of right lung
2733	TRMP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of peel section of right lung
2734	TRMP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of peel section of right lung
2735	TRMP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of peel section of right lung
2736	TRMP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of peel section of right lung
2737	TRMP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of peel section of right lung
2738	TRMP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of peel section of right lung
2739	TRMP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of peel section of right lung
2740	TRMP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of peel section of right lung
2741	TRMP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of peel section of right lung
2742	TRMP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of peel section of right lung
2743	TRMP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of peel section of right lung
2744	TRMP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of peel section of right lung
2745	TRMP_MEAN	Char	20	Average pixel values within middle third of peel section of right lung (HU)

Num	Variable	Type	Len	Label
2746	TRMP_MED	Char	20	Median pixel values within middle third of peel section of right lung (HU)
2747	TRMP_VAR	Char	20	Variance of pixel values within middle third of peel section of right lung
2748	TRMP_SDEV	Char	20	Standard deviation of pixel values within middle third of peel section of right lung
2749	TRMP_ADEV	Char	20	Average deviation of pixel values within middle third of peel section of right lung
2750	TRMP_SKEW	Char	20	Skewness of pixel values in middle third of peel section of right lung
2751	TRMP_KURT	Char	20	Kurtosis of pixel values in middle third of peel section of right lung
2752	TRMP_FWHM	Char	20	Full width, half max (HU) for middle third of peel section of right lung
2753	TRMP_AIRV	Char	20	Total volume of air in middle third of peel section of right lung (milliliters)
2754	TRMP_TISV	Char	20	Total volume of tissue in middle third of peel section of right lung (ml)
2755	TRMP_TOTV	Char	20	Total volume of middle third of peel section of right lung (ml)
2756	TRMP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of peel section of right lung
2757	TRMP_ASLP	Char	20	The slope of the line at the ankle for middle third of peel section of right lung
2758	TRMP_AINT	Char	20	The intercept of the line at the ankle for middle third of peel section of right lung
2759	TRMP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of peel section of right lung
2760	TRMP_KSLP	Char	20	The slope of the line at the knee for middle third of peel section of right lung
2761	TRMP_KINT	Char	20	The intercept of the line at the knee for middle third of peel section of right lung
2762	TRMP_CCUTOFF	Char	20	middle third of peel section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2763	TRMP_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of peel section of right lung to emphysema voxels
2764	TRMP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of peel section of right lung to emphysema voxels
2765	TRMP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of peel section of right lung to emphysema voxels
2766	TRMP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of peel section of right lung to emphysema voxels
2767	TRMP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of peel section of right lung to emphysema voxels
2768	TRMP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of peel section of right lung to emphysema voxels
2769	TRMP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of peel section of right lung to emphysema voxels
2770	TRMP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of peel section of right lung to emphysema voxels
2771	TRMP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of peel section of right lung
2772	TRMP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of peel section of right lung
2773	TRMP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of peel section of right lung
2774	TRMP_AIRWAYVX	Char	20	Total number of airway voxels in middle third of peel section of right lung

Num	Variable	Type	Len	Label
2775	TRMP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of peel section of right lung
2776	TRMP_VESSELVX	Char	20	Total number of vessel voxels in middle third of peel section of right lung
2777	TRMP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of peel section of right lung
2778	TRL_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower third of right lung
2779	TRL_TOTVX	Char	20	Total number of voxels in lower third of right lung
2780	TRL_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower third of right lung
2781	TRL_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower third of right lung
2782	TRL_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower third of right lung
2783	TRL_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower third of right lung
2784	TRL_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower third of right lung
2785	TRL_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower third of right lung
2786	TRL_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower third of right lung
2787	TRL_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower third of right lung
2788	TRL_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower third of right lung
2789	TRL_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower third of right lung
2790	TRL_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower third of right lung
2791	TRL_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower third of right lung
2792	TRL_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower third of right lung
2793	TRL_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower third of right lung
2794	TRL_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower third of right lung
2795	TRL_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower third of right lung
2796	TRL_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower third of right lung
2797	TRL_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower third of right lung
2798	TRL_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower third of right lung
2799	TRL_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower third of right lung
2800	TRL_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower third of right lung
2801	TRL_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower third of right lung
2802	TRL_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower third of right lung
2803	TRL_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower third of right lung
2804	TRL_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower third of right lung
2805	TRL_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower third of right lung
2806	TRL_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower third of right lung
2807	TRL_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower third of right lung
2808	TRL_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower third of right lung
2809	TRL_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower third of right lung
2810	TRL_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower third of right lung
2811	TRL_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower third of right lung

Num	Variable	Type	Len	Label
2812	TRL_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower third of right lung
2813	TRL_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower third of right lung
2814	TRL_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower third of right lung
2815	TRL_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower third of right lung
2816	TRL_MEAN	Char	20	Average pixel values within lower third of right lung (HU)
2817	TRL_MED	Char	20	Median pixel values within lower third of right lung (HU)
2818	TRL_VAR	Char	20	Variance of pixel values within lower third of right lung
2819	TRL_SDEV	Char	20	Standard deviation of pixel values within lower third of right lung
2820	TRL_ADEV	Char	20	Average deviation of pixel values within lower third of right lung
2821	TRL_SKEW	Char	20	Skewness of pixel values in lower third of right lung
2822	TRL_KURT	Char	20	Kurtosis of pixel values in lower third of right lung
2823	TRL_FWHM	Char	20	Full width, half max (HU) for lower third of right lung
2824	TRL_AIRV	Char	20	Total volume of air in lower third of right lung (milliliters)
2825	TRL_TISV	Char	20	Total volume of tissue in lower third of right lung (ml)
2826	TRL_TOTV	Char	20	Total volume of lower third of right lung (ml)
2827	TRL_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower third of right lung
2828	TRL_ASLP	Char	20	The slope of the line at the ankle for lower third of right lung
2829	TRL_AINT	Char	20	The intercept of the line at the ankle for lower third of right lung
2830	TRL_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower third of right lung
2831	TRL_KSLP	Char	20	The slope of the line at the knee for lower third of right lung
2832	TRL_KINT	Char	20	The intercept of the line at the knee for lower third of right lung
2833	TRL_CCUTOFF	Char	20	lower third of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2834	TRL_CVM	Char	20	Mean length of vectors drawn from the centroid of lower third of right lung to emphysema voxels
2835	TRL_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower third of right lung to emphysema voxels
2836	TRL_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower third of right lung to emphysema voxels
2837	TRL_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower third of right lung to emphysema voxels
2838	TRL_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower third of right lung to emphysema voxels
2839	TRL_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower third of right lung to emphysema voxels
2840	TRL_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower third of right lung to emphysema voxels
2841	TRL_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower third of right lung to emphysema voxels
2842	TRL_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower third of right lung

Num	Variable	Type	Len	Label
2843	TRL_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower third of right lung
2844	TRL_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower third of right lung
2845	TRL_AIRWAYVX	Char	20	Total number of airway voxels in lower third of right lung
2846	TRL_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower third of right lung
2847	TRL_VESSELVX	Char	20	Total number of vessel voxels in lower third of right lung
2848	TRL_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower third of right lung
2849	TRLC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower third of core section of right lung
2850	TRLC_TOTVX	Char	20	Total number of voxels in lower third of core section of right lung
2851	TRLC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower third of core section of right lung
2852	TRLC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower third of core section of right lung
2853	TRLC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower third of core section of right lung
2854	TRLC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower third of core section of right lung
2855	TRLC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower third of core section of right lung
2856	TRLC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower third of core section of right lung
2857	TRLC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower third of core section of right lung
2858	TRLC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower third of core section of right lung
2859	TRLC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower third of core section of right lung
2860	TRLC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower third of core section of right lung
2861	TRLC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower third of core section of right lung
2862	TRLC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower third of core section of right lung
2863	TRLC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower third of core section of right lung
2864	TRLC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower third of core section of right lung
2865	TRLC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower third of core section of right lung
2866	TRLC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower third of core section of right lung
2867	TRLC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower third of core section of right lung
2868	TRLC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower third of core section of right lung

Num	Variable	Type	Len	Label
2869	TRLC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower third of core section of right lung
2870	TRLC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower third of core section of right lung
2871	TRLC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower third of core section of right lung
2872	TRLC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower third of core section of right lung
2873	TRLC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower third of core section of right lung
2874	TRLC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower third of core section of right lung
2875	TRLC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower third of core section of right lung
2876	TRLC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower third of core section of right lung
2877	TRLC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower third of core section of right lung
2878	TRLC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower third of core section of right lung
2879	TRLC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower third of core section of right lung
2880	TRLC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower third of core section of right lung
2881	TRLC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower third of core section of right lung
2882	TRLC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower third of core section of right lung
2883	TRLC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower third of core section of right lung
2884	TRLC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower third of core section of right lung
2885	TRLC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower third of core section of right lung
2886	TRLC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower third of core section of right lung
2887	TRLC_MEAN	Char	20	Average pixel values within lower third of core section of right lung (HU)
2888	TRLC_MED	Char	20	Median pixel values within lower third of core section of right lung (HU)
2889	TRLC_VAR	Char	20	Variance of pixel values within lower third of core section of right lung
2890	TRLC_SDEV	Char	20	Standard deviation of pixel values within lower third of core section of right lung
2891	TRLC_ADEV	Char	20	Average deviation of pixel values within lower third of core section of right lung
2892	TRLC_SKEW	Char	20	Skewness of pixel values in lower third of core section of right lung
2893	TRLC_KURT	Char	20	Kurtosis of pixel values in lower third of core section of right lung
2894	TRLC_FWHM	Char	20	Full width, half max (HU) for lower third of core section of right lung
2895	TRLC_AIRV	Char	20	Total volume of air in lower third of core section of right lung (milliliters)

Num	Variable	Type	Len	Label
2896	TRLC_TISV	Char	20	Total volume of tissue in lower third of core section of right lung (ml)
2897	TRLC_TOTV	Char	20	Total volume of lower third of core section of right lung (ml)
2898	TRLC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower third of core section of right lung
2899	TRLC_ASLP	Char	20	The slope of the line at the ankle for lower third of core section of right lung
2900	TRLC_AINT	Char	20	The intercept of the line at the ankle for lower third of core section of right lung
2901	TRLC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower third of core section of right lung
2902	TRLC_KSLP	Char	20	The slope of the line at the knee for lower third of core section of right lung
2903	TRLC_KINT	Char	20	The intercept of the line at the knee for lower third of core section of right lung
2904	TRLC_CCUTOFF	Char	20	lower third of core section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2905	TRLC_CVM	Char	20	Mean length of vectors drawn from the centroid of lower third of core section of right lung to emphysema voxels
2906	TRLC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower third of core section of right lung to emphysema voxels
2907	TRLC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower third of core section of right lung to emphysema voxels
2908	TRLC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower third of core section of right lung to emphysema voxels
2909	TRLC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower third of core section of right lung to emphysema voxels
2910	TRLC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower third of core section of right lung to emphysema voxels
2911	TRLC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower third of core section of right lung to emphysema voxels
2912	TRLC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower third of core section of right lung to emphysema voxels
2913	TRLC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower third of core section of right lung
2914	TRLC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower third of core section of right lung
2915	TRLC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower third of core section of right lung
2916	TRLC_AIRWAYVX	Char	20	Total number of airway voxels in lower third of core section of right lung
2917	TRLC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower third of core section of right lung
2918	TRLC_VESSELVX	Char	20	Total number of vessel voxels in lower third of core section of right lung
2919	TRLC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower third of core section of right lung
2920	TRLP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower third of peel section of right lung
2921	TRLP_TOTVX	Char	20	Total number of voxels in lower third of peel section of right lung
2922	TRLP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower third of peel section of right lung

Num	Variable	Type	Len	Label
2923	TRLP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower third of peel section of right lung
2924	TRLP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower third of peel section of right lung
2925	TRLP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower third of peel section of right lung
2926	TRLP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower third of peel section of right lung
2927	TRLP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower third of peel section of right lung
2928	TRLP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower third of peel section of right lung
2929	TRLP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower third of peel section of right lung
2930	TRLP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower third of peel section of right lung
2931	TRLP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower third of peel section of right lung
2932	TRLP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower third of peel section of right lung
2933	TRLP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower third of peel section of right lung
2934	TRLP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower third of peel section of right lung
2935	TRLP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower third of peel section of right lung
2936	TRLP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower third of peel section of right lung
2937	TRLP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower third of peel section of right lung
2938	TRLP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower third of peel section of right lung
2939	TRLP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower third of peel section of right lung
2940	TRLP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower third of peel section of right lung
2941	TRLP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower third of peel section of right lung
2942	TRLP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower third of peel section of right lung
2943	TRLP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower third of peel section of right lung
2944	TRLP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower third of peel section of right lung
2945	TRLP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower third of peel section of right lung

Num	Variable	Type	Len	Label
2946	TRLP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower third of peel section of right lung
2947	TRLP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower third of peel section of right lung
2948	TRLP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower third of peel section of right lung
2949	TRLP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower third of peel section of right lung
2950	TRLP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower third of peel section of right lung
2951	TRLP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower third of peel section of right lung
2952	TRLP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower third of peel section of right lung
2953	TRLP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower third of peel section of right lung
2954	TRLP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower third of peel section of right lung
2955	TRLP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower third of peel section of right lung
2956	TRLP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower third of peel section of right lung
2957	TRLP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower third of peel section of right lung
2958	TRLP_MEAN	Char	20	Average pixel values within lower third of peel section of right lung (HU)
2959	TRLP_MED	Char	20	Median pixel values within lower third of peel section of right lung (HU)
2960	TRLP_VAR	Char	20	Variance of pixel values within lower third of peel section of right lung
2961	TRLP_SDEV	Char	20	Standard deviation of pixel values within lower third of peel section of right lung
2962	TRLP_ADEV	Char	20	Average deviation of pixel values within lower third of peel section of right lung
2963	TRLP_SKEW	Char	20	Skewness of pixel values in lower third of peel section of right lung
2964	TRLP_KURT	Char	20	Kurtosis of pixel values in lower third of peel section of right lung
2965	TRLP_FWHM	Char	20	Full width, half max (HU) for lower third of peel section of right lung
2966	TRLP_AIRV	Char	20	Total volume of air in lower third of peel section of right lung (milliliters)
2967	TRLP_TISV	Char	20	Total volume of tissue in lower third of peel section of right lung (ml)
2968	TRLP_TOTV	Char	20	Total volume of lower third of peel section of right lung (ml)
2969	TRLP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower third of peel section of right lung
2970	TRLP_ASLP	Char	20	The slope of the line at the ankle for lower third of peel section of right lung
2971	TRLP_AINT	Char	20	The intercept of the line at the ankle for lower third of peel section of right lung
2972	TRLP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower third of peel section of right lung
2973	TRLP_KSLP	Char	20	The slope of the line at the knee for lower third of peel section of right lung
2974	TRLP_KINT	Char	20	The intercept of the line at the knee for lower third of peel section of right lung

Num	Variable	Type	Len	Label
2975	TRLP_CCUTOFF	Char	20	lower third of peel section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2976	TRLP_CVM	Char	20	Mean length of vectors drawn from the centroid of lower third of peel section of right lung to emphysema voxels
2977	TRLP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower third of peel section of right lung to emphysema voxels
2978	TRLP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower third of peel section of right lung to emphysema voxels
2979	TRLP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower third of peel section of right lung to emphysema voxels
2980	TRLP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower third of peel section of right lung to emphysema voxels
2981	TRLP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower third of peel section of right lung to emphysema voxels
2982	TRLP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower third of peel section of right lung to emphysema voxels
2983	TRLP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower third of peel section of right lung to emphysema voxels
2984	TRLP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower third of peel section of right lung
2985	TRLP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower third of peel section of right lung
2986	TRLP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower third of peel section of right lung
2987	TRLP_AIRWAYVX	Char	20	Total number of airway voxels in lower third of peel section of right lung
2988	TRLP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower third of peel section of right lung
2989	TRLP_VESSELVX	Char	20	Total number of vessel voxels in lower third of peel section of right lung
2990	TRLP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower third of peel section of right lung
2991	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
2992	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
2993	SESSION_ID_VERSION	Char	20	Version ID of the Session ID

Data Set Name: v1_ct_edftracking_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	
3	QA_NOISSUES	Num	8	QA_NoIssues
4	QA_INCORRECTPROTOCOL	Num	8	QA_IncorrectProtocol
5	QA_METALARTIFACT	Num	8	QA_MetalArtifact
6	QA_FIELDOFVIEWISSUES	Num	8	QA_FieldOfViewIssues
7	QA_MOTIONARTIFACT	Num	8	QA_MotionArtifact
8	QA_MISSINGSLICES	Num	8	QA_MissingSlices
9	QA_RADIATIONDOSEDEVIATION	Num	8	QA_RadiationDoseDeviation
10	QA_OTHERS	Num	8	QA_Others
11	QA_ROIOUTSIDEAIR	Num	8	QA_RoiOutsideAir
12	QA_ROIOUTSIDEAIRMEAN	Num	8	QA_RoiOutsideAirMean
13	QA_ROIOUTSIDEAIRSTDDEV	Num	8	QA_RoiOutsideAirStdDev
14	QA_ROIOUTSIDEAIRAREA	Num	8	QA_RoiOutsideAirArea
15	QA_APPROVEDFORANALYSIS	Num	8	QA_ApprovedForAnalysis
16	QA_REJECTEDFORANALYSIS	Num	8	QA_RejectedForAnalysis
17	AIRWAYS_RB1TARGETLEVEL	Char	2	Airways_RB1TargetLevel
18	AIRWAYS_RB1LEVEL	Char	2	Airways_RB1Level
19	AIRWAYS_RB1ISSUE	Char	13	Airways_RB1Issue
20	AIRWAYS_RB4TARGETLEVEL	Char	2	Airways_RB4TargetLevel
21	AIRWAYS_RB4LEVEL	Char	2	Airways_RB4Level
22	AIRWAYS_RB4ISSUE	Char	13	Airways_RB4Issue
23	AIRWAYS_RB10TARGETLEVEL	Char	2	Airways_RB10TargetLevel
24	AIRWAYS_RB10LEVEL	Char	2	Airways_RB10Level
25	AIRWAYS_RB10ISSUE	Char	13	Airways_RB10Issue
26	AIRWAYS_LB1TARGETLEVEL	Char	2	Airways_LB1TargetLevel
27	AIRWAYS_LB1LEVEL	Char	2	Airways_LB1Level
28	AIRWAYS_LB1ISSUE	Char	13	Airways_LB1Issue
29	AIRWAYS_LB10TARGETLEVEL	Char	2	Airways_LB10TargetLevel
30	AIRWAYS_LB10LEVEL	Char	2	Airways_LB10Level
31	AIRWAYS_LB10ISSUE	Char	13	Airways_LB10Issue
32	AIRWAYS_COMMENT	Char	47	Airways_Comment
33	LABELING_TRACHEAISSUE	Char	8	Labeling_TracheaIssue
34	LABELING_RMBISSUE	Char	13	Labeling_RMBIssue
35	LABELING_RULISSUE	Char	14	Labeling_RULIssue
36	LABELING_RB1ISSUE	Char	8	Labeling_RB1Issue
37	LABELING_RB2ISSUE	Char	14	Labeling_RB2Issue

Num	Variable	Type	Len	Label
38	LABELING_RB3ISSUE	Char	14	Labeling_RB3Issue
39	LABELING_BRONINTISSUE	Char	8	Labeling_BronIntIssue
40	LABELING_RB4_5ISSUE	Char	8	Labeling_RB4_5Issue
41	LABELING_RB4ISSUE	Char	14	Labeling_RB4Issue
42	LABELING_RB5ISSUE	Char	14	Labeling_RB5Issue
43	LABELING_RB6ISSUE	Char	14	Labeling_RB6Issue
44	LABELING_RLL7ISSUE	Char	13	Labeling_RLL7Issue
45	LABELING_RB7ISSUE	Char	14	Labeling_RB7Issue
46	LABELING_RLLISSUE	Char	8	Labeling_RLLIssue
47	LABELING_RB8ISSUE	Char	14	Labeling_RB8Issue
48	LABELING_RB9ISSUE	Char	14	Labeling_RB9Issue
49	LABELING_RB10ISSUE	Char	14	Labeling_RB10Issue
50	LABELING_LMBISSUE	Char	8	Labeling_LMBIssue
51	LABELING_LULISSUE	Char	13	Labeling_LULIssue
52	LABELING_LB1_2ISSUE	Char	13	Labeling_LB1_2Issue
53	LABELING_LB1ISSUE	Char	14	Labeling_LB1Issue
54	LABELING_LB2ISSUE	Char	14	Labeling_LB2Issue
55	LABELING_LB3ISSUE	Char	14	Labeling_LB3Issue
56	LABELING_LB4_5ISSUE	Char	14	Labeling_LB4_5Issue
57	LABELING_LB4ISSUE	Char	14	Labeling_LB4Issue
58	LABELING_LB5ISSUE	Char	14	Labeling_LB5Issue
59	LABELING_LLB6ISSUE	Char	8	Labeling_LLB6Issue
60	LABELING_LB6ISSUE	Char	14	Labeling_LB6Issue
61	LABELING_LLBISSUE	Char	8	Labeling_LLBIssue
62	LABELING_LB8ISSUE	Char	14	Labeling_LB8Issue
63	LABELING_LB9ISSUE	Char	14	Labeling_LB9Issue
64	LABELING_LB10ISSUE	Char	14	Labeling_LB10Issue
65	LABELING_COMMENT	Char	41	Labeling_Comment
66	LOBES_LULISSUE	Char	14	Lobes_LULIssue
67	LOBES_LLLISSUE	Char	14	Lobes_LLLIssue
68	LOBES_RULISSUE	Char	8	Lobes_RULIssue
69	LOBES_RMLISSUE	Char	14	Lobes_RMLIssue
70	LOBES_RLLISSUE	Char	14	Lobes_RLLIssue
71	LOBES_COMMENT	Char	20	Lobes_Comment
72	PROBLEMDATA_AIRWAY	Num	8	ProblemData_Airway
73	PROBLEMDATA_SKELETON	Num	8	ProblemData_Skeleton
74	PROBLEMDATA_LABELS	Num	8	ProblemData_Labels
75	PROBLEMDATA_LUNGS	Num	8	ProblemData_Lungs
76	PROBLEMDATA_VESSELS	Num	8	ProblemData_Vessels

Num	Variable	Type	Len	Label
77	PROBLEMDATA_LOBES	Num	8	ProblemData_Lobes
78	PROBLEMDATA_SUBLOBES	Num	8	ProblemData_SubLobes
79	PROBLEMDATA_FISSURE	Num	8	ProblemData_Fissure
80	PROBLEMDATA_COMMENT	Char	67	ProblemData_Comment

Data Set Name: v1_ct_lac_tlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	study visit
3	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime
4	SERIES_NAME	Char	26	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected)
10	QA_INCORRECTPROTOCOL	Char	5	Indicator that incorrect protocol was followed during CT scan
11	QA_METALARTIFACT	Char	5	Indicator of metal artifact in CT scan
12	QA_FIELDOFVIEWISSUES	Char	5	Indicator of field of view issues during CT scan
13	QA_MOTIONARTIFACT	Char	5	Indicator of motion artifact in CT scan
14	QA_MISSINGSLICES	Char	5	Indicator of missing slices in CT scan
15	QA_RADIATIONDOSEDEVIATION	Char	5	Indicator that the incorrect radiation dose was administered during CT scan
16	QA_OTHERS	Char	5	Indicator of other quality assurance issues in CT scan
17	ONE_VOXEL_BRIDGES_REMOVED	Char	3	Denotes that an interval bin in the log-log plot with a single low attentuation region was removed
18	ONE_COUNT_BINS_REMOVED	Char	3	Denotes that two low attenuation regions that were separated by a single voxel were divided into two separate regions
19	MIN_SIZE_THRESHOLD	Num	8	Minimum size threshold
20	MAX_SIZE_THRESHOLD	Num	8	Maximum size threshold
21	DIMENSION	Char	2	Dimension of region being calculated. 2d regions are calculated separately for each axial slice. 3d regions are calculated in a volumetric manner.
22	BOTH_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for both lungs
23	BOTH_SLOPE_BELOW_950	Num	8	Both lungs: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
24	BOTH_INTERCEPT_BELOW_950	Num	8	Both lungs: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
25	BOTH_R_SQUARED_BELOW_950	Num	8	Both lungs: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
26	BOTH_SLOPE_BELOW_910	Num	8	Both lungs: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
27	BOTH_INTERCEPT_BELOW_910	Num	8	Both lungs: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
28	BOTH_R_SQUARED_BELOW_910	Num	8	Both lungs: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
29	BOTH_SLOPE_BELOW_856	Num	8	Both lungs: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units

Num	Variable	Type	Len	Label
30	BOTH_INTERCEPT_BELOW_856	Num	8	Both lungs: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
31	BOTH_R_SQUARED_BELOW_856	Num	8	Both lungs: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
32	LEFT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lung
33	LEFT_SLOPE_BELOW_950	Num	8	Left lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
34	LEFT_INTERCEPT_BELOW_950	Num	8	Left lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
35	LEFT_R_SQUARED_BELOW_950	Num	8	Left lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
36	LEFT_SLOPE_BELOW_910	Num	8	Left lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
37	LEFT_INTERCEPT_BELOW_910	Num	8	Left lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
38	LEFT_R_SQUARED_BELOW_910	Num	8	Left lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
39	LEFT_SLOPE_BELOW_856	Num	8	Left lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
40	LEFT_INTERCEPT_BELOW_856	Num	8	Left lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
41	LEFT_R_SQUARED_BELOW_856	Num	8	Left lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
42	L_LOWER_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lower lung
43	LEFT_LOWER_SLOPE_BELOW_950	Num	8	Left lower lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
44	L_LOWER_INTERCEPT_BELOW_950	Num	8	Left lower lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
45	L_LOWER_R_SQUARED_BELOW_950	Num	8	Left lower lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
46	LEFT_LOWER_SLOPE_BELOW_910	Num	8	Left lower lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
47	L_LOWER_INTERCEPT_BELOW_910	Num	8	Left lower lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
48	L_LOWER_R_SQUARED_BELOW_910	Num	8	Left lower lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
49	LEFT_LOWER_SLOPE_BELOW_856	Num	8	Left lower lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
50	L_LOWER_INTERCEPT_BELOW_856	Num	8	Left lower lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
51	L_LOWER_R_SQUARED_BELOW_856	Num	8	Left lower lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
52	L_UPPER_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left upper lung
53	LEFT_UPPER_SLOPE_BELOW_950	Num	8	Left upper lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units

Num	Variable	Type	Len	Label
54	L_UPPER_INTERCEPT_BELOW_950	Num	8	Left upper lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
55	L_UPPER_R_SQUARED_BELOW_950	Num	8	Left upper lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
56	LEFT_UPPER_SLOPE_BELOW_910	Num	8	Left upper lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
57	L_UPPER_INTERCEPT_BELOW_910	Num	8	Left upper lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
58	L_UPPER_R_SQUARED_BELOW_910	Num	8	Left upper lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
59	LEFT_UPPER_SLOPE_BELOW_856	Num	8	Left upper lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
60	L_UPPER_INTERCEPT_BELOW_856	Num	8	Left upper lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
61	L_UPPER_R_SQUARED_BELOW_856	Num	8	Left upper lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
62	RIGHT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lung
63	RIGHT_SLOPE_BELOW_950	Num	8	Right lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
64	RIGHT_INTERCEPT_BELOW_950	Num	8	Right lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
65	RIGHT_R_SQUARED_BELOW_950	Num	8	Right lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
66	RIGHT_SLOPE_BELOW_910	Num	8	Right lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
67	RIGHT_INTERCEPT_BELOW_910	Num	8	Right lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
68	RIGHT_R_SQUARED_BELOW_910	Num	8	Right lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
69	RIGHT_SLOPE_BELOW_856	Num	8	Right lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
70	RIGHT_INTERCEPT_BELOW_856	Num	8	Right lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
71	RIGHT_R_SQUARED_BELOW_856	Num	8	Right lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
72	R_LOWER_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lower lung
73	RIGHT_LOWER_SLOPE_BELOW_950	Num	8	Right lower lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
74	R_LOWER_INTERCEPT_BELOW_950	Num	8	Right lower lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
75	R_LOWER_R_SQUARED_BELOW_950	Num	8	Right lower lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
76	RIGHT_LOWER_SLOPE_BELOW_910	Num	8	Right lower lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
77	R_LOWER_INTERCEPT_BELOW_910	Num	8	Right lower lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units

Num	Variable	Type	Len	Label
78	R_LOWER_R_SQUARED_BELOW_910	Num	8	Right lower lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
79	RIGHT_LOWER_SLOPE_BELOW_856	Num	8	Right lower lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
80	R_LOWER_INTERCEPT_BELOW_856	Num	8	Right lower lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
81	R_LOWER_R_SQUARED_BELOW_856	Num	8	Right lower lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
82	R_MIDDLE_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right middle lung
83	RIGHT_MIDDLE_SLOPE_BELOW_950	Num	8	Right middle lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
84	R_MIDDLE_INTERCEPT_BELOW_950	Num	8	Right middle lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
85	R_MIDDLE_R_SQUARED_BELOW_950	Num	8	Right middle lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
86	RIGHT_MIDDLE_SLOPE_BELOW_910	Num	8	Right middle lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
87	R_MIDDLE_INTERCEPT_BELOW_910	Num	8	Right middle lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
88	R_MIDDLE_R_SQUARED_BELOW_910	Num	8	Right middle lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
89	RIGHT_MIDDLE_SLOPE_BELOW_856	Num	8	Right middle lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
90	R_MIDDLE_INTERCEPT_BELOW_856	Num	8	Right middle lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
91	R_MIDDLE_R_SQUARED_BELOW_856	Num	8	Right middle lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
92	R_UPPER_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right upper lung
93	RIGHT_UPPER_SLOPE_BELOW_950	Num	8	Right upper lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
94	R_UPPER_INTERCEPT_BELOW_950	Num	8	Right upper lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
95	R_UPPER_R_SQUARED_BELOW_950	Num	8	Right upper lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
96	RIGHT_UPPER_SLOPE_BELOW_910	Num	8	Right upper lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
97	R_UPPER_INTERCEPT_BELOW_910	Num	8	Right upper lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
98	R_UPPER_R_SQUARED_BELOW_910	Num	8	Right upper lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
99	RIGHT_UPPER_SLOPE_BELOW_856	Num	8	Right upper lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
100	R_UPPER_INTERCEPT_BELOW_856	Num	8	Right upper lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
101	R_UPPER_R_SQUARED_BELOW_856	Num	8	Right upper lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units

Num	Variable	Type	Len	Label
102	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
103	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
104	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v1_ct_pi10_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	study visit
3	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime
4	SERIES_NAME	Char	26	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected)
10	QA_INCORRECTPROTOCOL	Char	5	Indicator that incorrect protocol was followed during CT scan
11	QA_METALARTIFACT	Char	5	Indicator of metal artifact in CT scan
12	QA_FIELDOFVIEWISSUES	Char	5	Indicator of field of view issues during CT scan
13	QA_MOTIONARTIFACT	Char	5	Indicator of motion artifact in CT scan
14	QA_MISSINGSLICES	Char	5	Indicator of missing slices in CT scan
15	QA_RADIATIONDOSEDEVIATION	Char	5	Indicator of incorrect radiation dose issues in CT scan
16	QA_OTHERS	Char	5	Indicator of other quality assurance issues in CT scan
17	PI10_LB1_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB1 path and subtree
18	PI10_LB1_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB1 path and subtree
19	PI10_LB10_PATH_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB10 path and subtree
20	PI10_LB10_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB10 path and subtree
21	PI10_LB4_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB4 path and subtree
22	PI10_LB4_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB4 path and subtree
23	PI10_RB1_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB1 path and subtree
24	PI10_RB1_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB1 path and subtree
25	PI10_RB10_PATH_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB10 path and subtree
26	PI10_RB10_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB10 path and subtree
27	PI10_RB4_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB4 path and subtree
28	PI10_RB4_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB4 path and subtree
29	PI10_WHOLE_TREE_ALL	Num	8	Pi10 value for all airways on whole airway tree
30	PI10_WHOLE_TREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on whole airway tree
31	PI10_LEFT_LUNG_ALL	Num	8	Pi10 value for all airways on left lung
32	PI10_LEFT_LUNG_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left lung

Num	Variable	Type	Len	Label
33	PI10_RIGHT_LUNG_ALL	Num	8	Pi10 value for all airways on right lung
34	PI10_RIGHT_LUNG_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right lung
35	PI10_LEFT_UPPER_LOBE_ALL	Num	8	Pi10 value for all airways on left upper lobe
36	PI10_LEFT_UPPER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left upper lobe
37	PI10_LEFT_LOWER_LOBE_ALL	Num	8	Pi10 value for all airways on left lower lobe
38	PI10_LEFT_LOWER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left lower lobe
39	PI10_RIGHT_UPPER_LOBE_ALL	Num	8	Pi10 value for all airways on right upper lobe
40	PI10_RIGHT_UPPER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right upper lobe
41	PI10_RIGHT_MIDDLE_LOBE_ALL	Num	8	Pi10 value for all airways on right middle lobe
42	PI10_RIGHT_MIDDLE_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right middle lobe
43	PI10_RIGHT_LOWER_LOBE_ALL	Num	8	Pi10 value for all airways on right lower lobe
44	PI10_RIGHT_LOWER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right lower lobe
45	PI10_LB2_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB2 path and subtree
46	PI10_LB2_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB2 path and subtree
47	PI10_LB3_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB3 path and subtree
48	PI10_LB3_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB3 path and subtree
49	PI10_LB5_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB5 path and subtree
50	PI10_LB5_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB5 path and subtree
51	PI10_LB6_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB6 path and subtree
52	PI10_LB6_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB6 path and subtree
53	PI10_LB8_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB8 path and subtree
54	PI10_LB8_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB8 path and subtree
55	PI10_LB9_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB9 path and subtree
56	PI10_LB9_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB9 path and subtree
57	PI10_RB2_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB2 path and subtree
58	PI10_RB2_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB2 path and subtree
59	PI10_RB3_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB3 path and subtree
60	PI10_RB3_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB3 path and subtree
61	PI10_RB5_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB5 path and subtree
62	PI10_RB5_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB5 path and subtree

Num	Variable	Type	Len	Label
63	PI10_RB6_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB6 path and subtree
64	PI10_RB6_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB6 path and subtree
65	PI10_RB7_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB7 path and subtree
66	PI10_RB7_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB7 path and subtree
67	PI10_RB8_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB8 path and subtree
68	PI10_RB8_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB8 path and subtree
69	PI10_RB9_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB9 path and subtree
70	PI10_RB9_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB9 path and subtree
71	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
72	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
73	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v1_ct_rv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	Study visit
3	STUDY_TIME	Char	8	Time of scan - (0008,0030) StudyTime
4	SERIES_NAME	Char	25	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Char	8	Time the series was reconstructed - (0008,0031) SeriesTime
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	MA	Num	8	X-ray tube current
10	PIXEL_SPACING	Num	8	Pixel size
11	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected) at Residual Volume (RV)
12	BOTH_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for both lungs at Residual Volume (RV)
13	BOTH_PCT_BE_950	Num	8	Both lungs: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
14	BOTH_PCT_BE_910	Num	8	Both lungs: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
15	BOTH_PCT_BE_856	Num	8	Both lungs: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
16	BOTH_PCT_AE_0	Num	8	Both lungs: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
17	BOTH_MEAN	Num	8	Both lungs: Mean lung density at Residual Volume (RV)
18	BOTH_SD	Num	8	Both lungs: Standard deviation of mean lung density at Residual Volume (RV)
19	BOTH_SKEW	Num	8	Both lungs: Skewness of lung density histogram at Residual Volume (RV)
20	BOTH_KURT	Num	8	Both lungs: Kurtosis of lung density histogram at Residual Volume (RV)
21	BOTH_AIR_V	Num	8	Both lungs: Total air volume at Residual Volume (RV)
22	BOTH_TIS_V	Num	8	Both lungs: Total tissue volume at Residual Volume (RV)
23	BOTH_TOT_V	Num	8	Both lungs: Total volume at Residual Volume (RV)
24	BOTH_HU15	Num	8	Both lungs: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
25	LEFT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lung at Residual Volume (RV)
26	LEFT_PCT_BE_950	Num	8	Left lung: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
27	LEFT_PCT_BE_910	Num	8	Left lung: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
28	LEFT_PCT_BE_856	Num	8	Left lung: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
29	LEFT_PCT_AE_0	Num	8	Left lung: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)

Num	Variable	Type	Len	Label
30	LEFT_MEAN	Num	8	Left lung: Mean lung density at Residual Volume (RV)
31	LEFT_SD	Num	8	Left lung: Standard deviation of mean lung density at Residual Volume (RV)
32	LEFT_SKEW	Num	8	Left lung: Skewness of lung density histogram at Residual Volume (RV)
33	LEFT_KURT	Num	8	Left lung: Kurtosis of lung density histogram at Residual Volume (RV)
34	LEFT_AIR_V	Num	8	Left lung: Total air volume at Residual Volume (RV)
35	LEFT_TIS_V	Num	8	Left lung: Total tissue volume at Residual Volume (RV)
36	LEFT_TOT_V	Num	8	Left lung: Total volume at Residual Volume (RV)
37	LEFT_HU15	Num	8	Left lung: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
38	LL_TOT_V	Num	8	Left lower lobe: Total volume at Residual Volume (RV)
39	RIGHT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lung at Residual Volume (RV)
40	RIGHT_PCT_BE_950	Num	8	Right lung: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
41	RIGHT_PCT_BE_910	Num	8	Right lung: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
42	RIGHT_PCT_BE_856	Num	8	Right lung: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
43	RIGHT_PCT_AE_0	Num	8	Right lung: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
44	RIGHT_MEAN	Num	8	Right lung: Mean lung density at Residual Volume (RV)
45	RIGHT_SD	Num	8	Right lung: Standard deviation of mean lung density at Residual Volume (RV)
46	RIGHT_SKEW	Num	8	Right lung: Skewness of lung density histogram at Residual Volume (RV)
47	RIGHT_KURT	Num	8	Right lung: Kurtosis of lung density histogram at Residual Volume (RV)
48	RIGHT_AIR_V	Num	8	Right lung: Total air volume at Residual Volume (RV)
49	RIGHT_TIS_V	Num	8	Right lung: Total tissue volume at Residual Volume (RV)
50	RIGHT_TOT_V	Num	8	Right lung: Total volume at Residual Volume (RV)
51	RIGHT_HU15	Num	8	Right lung: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
52	TLL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLL lung at Residual Volume (RV)
53	TLL_PCT_BE_950	Num	8	Left lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
54	TLL_PCT_BE_910	Num	8	Left lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
55	TLL_PCT_BE_856	Num	8	Left lower third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
56	TLL_PCT_AE_0	Num	8	Left lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
57	TLL_MEAN	Num	8	Left lower third: Mean lung density at Residual Volume (RV)
58	TLL_SD	Num	8	Left lower third: Standard deviation of mean lung density at Residual Volume (RV)
59	TLL_SKEW	Num	8	Left lower third: Skewness of lung density histogram at Residual Volume (RV)
60	TLL_KURT	Num	8	Left lower third: Kurtosis of lung density histogram at Residual Volume (RV)

Num	Variable	Type	Len	Label
61	TLL_AIR_V	Num	8	Left lower third: Total air volume at Residual Volume (RV)
62	TLL_TIS_V	Num	8	Left lower third: Total tissue volume at Residual Volume (RV)
63	TLL_TOT_V	Num	8	Left lower third: Total volume at Residual Volume (RV)
64	TLL_HU15	Num	8	Left lower third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
65	TLM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLM lung at Residual Volume (RV)
66	TLM_PCT_BE_950	Num	8	Left middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
67	TLM_PCT_BE_910	Num	8	Left middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
68	TLM_PCT_BE_856	Num	8	Left middle third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
69	TLM_PCT_AE_0	Num	8	Left middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
70	TLM_MEAN	Num	8	Left middle third: Mean lung density at Residual Volume (RV)
71	TLM_SD	Num	8	Left middle third: Standard deviation of mean lung density at Residual Volume (RV)
72	TLM_SKEW	Num	8	Left middle third: Skewness of lung density histogram at Residual Volume (RV)
73	TLM_KURT	Num	8	Left middle third: Kurtosis of lung density histogram at Residual Volume (RV)
74	TLM_AIR_V	Num	8	Left middle third: Total air volume at Residual Volume (RV)
75	TLM_TIS_V	Num	8	Left middle third: Total tissue volume at Residual Volume (RV)
76	TLM_TOT_V	Num	8	Left middle third: Total volume at Residual Volume (RV)
77	TLM_HU15	Num	8	Left middle third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
78	TLU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLU lung at Residual Volume (RV)
79	TLU_PCT_BE_950	Num	8	Left upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
80	TLU_PCT_BE_910	Num	8	Left upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
81	TLU_PCT_BE_856	Num	8	Left upper third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
82	TLU_PCT_AE_0	Num	8	Left upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
83	TLU_MEAN	Num	8	Left upper third: Mean lung density at Residual Volume (RV)
84	TLU_SD	Num	8	Left upper third: Standard deviation of mean lung density at Residual Volume (RV)
85	TLU_SKEW	Num	8	Left upper third: Skewness of lung density histogram at Residual Volume (RV)
86	TLU_KURT	Num	8	Left upper third: Kurtosis of lung density histogram at Residual Volume (RV)
87	TLU_AIR_V	Num	8	Left upper third: Total air volume at Residual Volume (RV)
88	TLU_TIS_V	Num	8	Left upper third: Total tissue volume at Residual Volume (RV)
89	TLU_TOT_V	Num	8	Left upper third: Total volume at Residual Volume (RV)

Num	Variable	Type	Len	Label
90	TLU_HU15	Num	8	Left upper third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
91	TRL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRL lung at Residual Volume (RV)
92	TRL_PCT_BE_950	Num	8	Right lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
93	TRL_PCT_BE_910	Num	8	Right lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
94	TRL_PCT_BE_856	Num	8	Right lower third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
95	TRL_PCT_AE_0	Num	8	Right lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
96	TRL_MEAN	Num	8	Right lower third: Mean lung density at Residual Volume (RV)
97	TRL_SD	Num	8	Right lower third: Standard deviation of mean lung density at Residual Volume (RV)
98	TRL_SKEW	Num	8	Right lower third: Skewness of lung density histogram at Residual Volume (RV)
99	TRL_KURT	Num	8	Right lower third: Kurtosis of lung density histogram at Residual Volume (RV)
100	TRL_AIR_V	Num	8	Right lower third: Total air volume at Residual Volume (RV)
101	TRL_TIS_V	Num	8	Right lower third: Total tissue volume at Residual Volume (RV)
102	TRL_TOT_V	Num	8	Right lower third: Total volume at Residual Volume (RV)
103	TRL_HU15	Num	8	Right lower third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
104	TRM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRM lung at Residual Volume (RV)
105	TRM_PCT_BE_950	Num	8	Right middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
106	TRM_PCT_BE_910	Num	8	Right middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
107	TRM_PCT_BE_856	Num	8	Right middle third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
108	TRM_PCT_AE_0	Num	8	Right middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
109	TRM_MEAN	Num	8	Right middle third: Mean lung density at Residual Volume (RV)
110	TRM_SD	Num	8	Right middle third: Standard deviation of mean lung density at Residual Volume (RV)
111	TRM_SKEW	Num	8	Right middle third: Skewness of lung density histogram at Residual Volume (RV)
112	TRM_KURT	Num	8	Right middle third: Kurtosis of lung density histogram at Residual Volume (RV)
113	TRM_AIR_V	Num	8	Right middle third: Total air volume at Residual Volume (RV)
114	TRM_TIS_V	Num	8	Right middle third: Total tissue volume at Residual Volume (RV)
115	TRM_TOT_V	Num	8	Right middle third: Total volume at Residual Volume (RV)
116	TRM_HU15	Num	8	Right middle third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)

Num	Variable	Type	Len	Label
117	TRU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRU lung at Residual Volume (RV)
118	TRU_PCT_BE_950	Num	8	Right upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
119	TRU_PCT_BE_910	Num	8	Right upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
120	TRU_PCT_BE_856	Num	8	Right upper third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
121	TRU_PCT_AE_0	Num	8	Right upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
122	TRU_MEAN	Num	8	Right upper third: Mean lung density at Residual Volume (RV)
123	TRU_SD	Num	8	Right upper third: Standard deviation of mean lung density at Residual Volume (RV)
124	TRU_SKEW	Num	8	Right upper third: Skewness of lung density histogram at Residual Volume (RV)
125	TRU_KURT	Num	8	Right upper third: Kurtosis of lung density histogram at Residual Volume (RV)
126	TRU_AIR_V	Num	8	Right upper third: Total air volume at Residual Volume (RV)
127	TRU_TIS_V	Num	8	Right upper third: Total tissue volume at Residual Volume (RV)
128	TRU_TOT_V	Num	8	Right upper third: Total volume at Residual Volume (RV)
129	TRU_HU15	Num	8	Right upper third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
130	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
131	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
132	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v1_ct_tlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	VISIT	Char	10	Study visit
2	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime
3	SERIES_NAME	Char	26	Series name - (0008,103e) SeriesDescription
4	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime
5	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
6	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
7	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
8	MA	Num	8	X-ray tube current
9	PIXEL_SPACING	Num	8	pixel size
10	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected) at Total Lung Capacity (TLC)
11	QA_INCORRECTPROTOCOL	Char	5	Indicator that incorrect protocol was followed during CT scan at Total Lung Capacity (TLC)
12	QA_METALARTIFACT	Char	5	Indicator of metal artifact in CT scan at Total Lung Capacity (TLC)
13	QA_FIELDOFVIEWISSUES	Char	5	Indicator of field of view issues during CT scan at Total Lung Capacity (TLC)
14	QA_MOTIONARTIFACT	Char	5	Indicator of motion artifact in CT scan at Total Lung Capacity (TLC)
15	QA_MISSINGSLICES	Char	5	Indicator of missing slices in CT scan at Total Lung Capacity (TLC)
16	QA_RADIATIONDOSEDEVIATION	Char	5	Indicator of incorrect radiation dose issues in CT scan at Total Lung Capacity (TLC)
17	QA_OTHERS	Char	5	Indicator of other quality assurance issues in CT scan at Total Lung Capacity (TLC)
18	BOTH_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for both lungs at Total Lung Capacity (TLC)
19	BOTH_PCT_BE_950	Num	8	Both lungs: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
20	BOTH_PCT_BE_910	Num	8	Both lungs: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
21	BOTH_PCT_BE_856	Num	8	Both lungs: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
22	BOTH_PCT_AE_0	Num	8	Both lungs: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
23	BOTH_MEAN	Num	8	Both lungs: Mean lung density at Total Lung Capacity (TLC)
24	BOTH_SD	Num	8	Both lungs: Standard deviation of mean lung density at Total Lung Capacity (TLC)
25	BOTH_SKEW	Num	8	Both lungs: Skewness of lung density histogram at Total Lung Capacity (TLC)
26	BOTH_KURT	Num	8	Both lungs: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
27	BOTH_AIR_V	Num	8	Both lungs: Total air volume at Total Lung Capacity (TLC)
28	BOTH_TIS_V	Num	8	Both lungs: Total tissue volume at Total Lung Capacity (TLC)
29	BOTH_TOT_V	Num	8	Both lungs: Total volume at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
30	BOTH_HU15	Num	8	Both lungs: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
31	LEFT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lung at Total Lung Capacity (TLC)
32	LEFT_PCT_BE_950	Num	8	Left lung: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
33	LEFT_PCT_BE_910	Num	8	Left lung: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
34	LEFT_PCT_BE_856	Num	8	Left lung: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
35	LEFT_PCT_AE_0	Num	8	Left lung: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
36	LEFT_MEAN	Num	8	Left lung: Mean lung density at Total Lung Capacity (TLC)
37	LEFT_SD	Num	8	Left lung: Standard deviation of mean lung density at Total Lung Capacity (TLC)
38	LEFT_SKEW	Num	8	Left lung: Skewness of lung density histogram at Total Lung Capacity (TLC)
39	LEFT_KURT	Num	8	Left lung: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
40	LEFT_AIR_V	Num	8	Left lung: Total air volume at Total Lung Capacity (TLC)
41	LEFT_TIS_V	Num	8	Left lung: Total tissue volume at Total Lung Capacity (TLC)
42	LEFT_TOT_V	Num	8	Left lung: Total volume at Total Lung Capacity (TLC)
43	LEFT_HU15	Num	8	Left lung: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
44	LL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for LL lung at Total Lung Capacity (TLC)
45	LL_PCT_BE_950	Num	8	Left lower lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
46	LL_PCT_BE_910	Num	8	Left lower lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
47	LL_PCT_BE_856	Num	8	Left lower lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
48	LL_PCT_AE_0	Num	8	Left lower lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
49	LL_MEAN	Num	8	Left lower lobe: Mean lung density at Total Lung Capacity (TLC)
50	LL_SD	Num	8	Left lower lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
51	LL_SKEW	Num	8	Left lower lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
52	LL_KURT	Num	8	Left lower lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
53	LL_AIR_V	Num	8	Left lower lobe: Total air volume at Total Lung Capacity (TLC)
54	LL_TIS_V	Num	8	Left lower lobe: Total tissue volume at Total Lung Capacity (TLC)
55	LL_TOT_V	Num	8	Left lower lobe: Total volume at Total Lung Capacity (TLC)
56	LL_HU15	Num	8	Left lower lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
57	LU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for LU lung at Total Lung Capacity (TLC)
58	LU_PCT_BE_950	Num	8	Left upper lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
59	LU_PCT_BE_910	Num	8	Left upper lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
60	LU_PCT_BE_856	Num	8	Left upper lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
61	LU_PCT_AE_0	Num	8	Left upper lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
62	LU_MEAN	Num	8	Left upper lobe: Mean lung density at Total Lung Capacity (TLC)
63	LU_SD	Num	8	Left upper lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
64	LU_SKEW	Num	8	Left upper lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
65	LU_KURT	Num	8	Left upper lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
66	LU_AIR_V	Num	8	Left upper lobe: Total air volume at Total Lung Capacity (TLC)
67	LU_TIS_V	Num	8	Left upper lobe: Total tissue volume at Total Lung Capacity (TLC)
68	LU_TOT_V	Num	8	Left upper lobe: Total volume at Total Lung Capacity (TLC)
69	LU_HU15	Num	8	Left upper lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
70	RIGHT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lung at Total Lung Capacity (TLC)
71	RIGHT_PCT_BE_950	Num	8	Right lung: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
72	RIGHT_PCT_BE_910	Num	8	Right lung: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
73	RIGHT_PCT_BE_856	Num	8	Right lung: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
74	RIGHT_PCT_AE_0	Num	8	Right lung: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
75	RIGHT_MEAN	Num	8	Right lung: Mean lung density at Total Lung Capacity (TLC)
76	RIGHT_SD	Num	8	Right lung: Standard deviation of mean lung density at Total Lung Capacity (TLC)
77	RIGHT_SKEW	Num	8	Right lung: Skewness of lung density histogram at Total Lung Capacity (TLC)
78	RIGHT_KURT	Num	8	Right lung: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
79	RIGHT_AIR_V	Num	8	Right lung: Total air volume at Total Lung Capacity (TLC)
80	RIGHT_TIS_V	Num	8	Right lung: Total tissue volume at Total Lung Capacity (TLC)
81	RIGHT_TOT_V	Num	8	Right lung: Total volume at Total Lung Capacity (TLC)
82	RIGHT_HU15	Num	8	Right lung: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
83	RL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RL lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
84	RL_PCT_BE_950	Num	8	Right lower lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
85	RL_PCT_BE_910	Num	8	Right lower lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
86	RL_PCT_BE_856	Num	8	Right lower lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
87	RL_PCT_AE_0	Num	8	Right lower lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
88	RL_MEAN	Num	8	Right lower lobe: Mean lung density at Total Lung Capacity (TLC)
89	RL_SD	Num	8	Right lower lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
90	RL_SKEW	Num	8	Right lower lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
91	RL_KURT	Num	8	Right lower lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
92	RL_AIR_V	Num	8	Right lower lobe: Total air volume at Total Lung Capacity (TLC)
93	RL_TIS_V	Num	8	Right lower lobe: Total tissue volume at Total Lung Capacity (TLC)
94	RL_TOT_V	Num	8	Right lower lobe: Total volume at Total Lung Capacity (TLC)
95	RL_HU15	Num	8	Right lower lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
96	RM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RM lung at Total Lung Capacity (TLC)
97	RM_PCT_BE_950	Num	8	Right middle lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
98	RM_PCT_BE_910	Num	8	Right middle lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
99	RM_PCT_BE_856	Num	8	Right middle lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
100	RM_PCT_AE_0	Num	8	Right middle lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
101	RM_MEAN	Num	8	Right middle lobe: Mean lung density at Total Lung Capacity (TLC)
102	RM_SD	Num	8	Right middle lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
103	RM_SKEW	Num	8	Right middle lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
104	RM_KURT	Num	8	Right middle lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
105	RM_AIR_V	Num	8	Right middle lobe: Total air volume at Total Lung Capacity (TLC)
106	RM_TIS_V	Num	8	Right middle lobe: Total tissue volume at Total Lung Capacity (TLC)
107	RM_TOT_V	Num	8	Right middle lobe: Total volume at Total Lung Capacity (TLC)
108	RM_HU15	Num	8	Right middle lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
109	RU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RU lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
110	RU_PCT_BE_950	Num	8	Right upper lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
111	RU_PCT_BE_910	Num	8	Right upper lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
112	RU_PCT_BE_856	Num	8	Right upper lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
113	RU_PCT_AE_0	Num	8	Right upper lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
114	RU_MEAN	Num	8	Right upper lobe: Mean lung density at Total Lung Capacity (TLC)
115	RU_SD	Num	8	Right upper lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
116	RU_SKEW	Num	8	Right upper lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
117	RU_KURT	Num	8	Right upper lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
118	RU_AIR_V	Num	8	Right upper lobe: Total air volume at Total Lung Capacity (TLC)
119	RU_TIS_V	Num	8	Right upper lobe: Total tissue volume at Total Lung Capacity (TLC)
120	RU_TOT_V	Num	8	Right upper lobe: Total volume at Total Lung Capacity (TLC)
121	RU_HU15	Num	8	Right upper lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
122	TLL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLL lung at Total Lung Capacity (TLC)
123	TLL_PCT_BE_950	Num	8	Left lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
124	TLL_PCT_BE_910	Num	8	Left lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
125	TLL_PCT_BE_856	Num	8	Left lower third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
126	TLL_PCT_AE_0	Num	8	Left lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
127	TLL_MEAN	Num	8	Left lower third: Mean lung density at Total Lung Capacity (TLC)
128	TLL_SD	Num	8	Left lower third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
129	TLL_SKEW	Num	8	Left lower third: Skewness of lung density histogram at Total Lung Capacity (TLC)
130	TLL_KURT	Num	8	Left lower third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
131	TLL_AIR_V	Num	8	Left lower third: Total air volume at Total Lung Capacity (TLC)
132	TLL_TIS_V	Num	8	Left lower third: Total tissue volume at Total Lung Capacity (TLC)
133	TLL_TOT_V	Num	8	Left lower third: Total volume at Total Lung Capacity (TLC)
134	TLL_HU15	Num	8	Left lower third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
135	TLM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLM lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
136	TLM_PCT_BE_950	Num	8	Left middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
137	TLM_PCT_BE_910	Num	8	Left middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
138	TLM_PCT_BE_856	Num	8	Left middle third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
139	TLM_PCT_AE_0	Num	8	Left middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
140	TLM_MEAN	Num	8	Left middle third: Mean lung density at Total Lung Capacity (TLC)
141	TLM_SD	Num	8	Left middle third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
142	TLM_SKEW	Num	8	Left middle third: Skewness of lung density histogram at Total Lung Capacity (TLC)
143	TLM_KURT	Num	8	Left middle third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
144	TLM_AIR_V	Num	8	Left middle third: Total air volume at Total Lung Capacity (TLC)
145	TLM_TIS_V	Num	8	Left middle third: Total tissue volume at Total Lung Capacity (TLC)
146	TLM_TOT_V	Num	8	Left middle third: Total volume at Total Lung Capacity (TLC)
147	TLM_HU15	Num	8	Left middle third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
148	TLU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLU lung at Total Lung Capacity (TLC)
149	TLU_PCT_BE_950	Num	8	Left upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
150	TLU_PCT_BE_910	Num	8	Left upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
151	TLU_PCT_BE_856	Num	8	Left upper third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
152	TLU_PCT_AE_0	Num	8	Left upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
153	TLU_MEAN	Num	8	Left upper third: Mean lung density at Total Lung Capacity (TLC)
154	TLU_SD	Num	8	Left upper third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
155	TLU_SKEW	Num	8	Left upper third: Skewness of lung density histogram at Total Lung Capacity (TLC)
156	TLU_KURT	Num	8	Left upper third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
157	TLU_AIR_V	Num	8	Left upper third: Total air volume at Total Lung Capacity (TLC)
158	TLU_TIS_V	Num	8	Left upper third: Total tissue volume at Total Lung Capacity (TLC)
159	TLU_TOT_V	Num	8	Left upper third: Total volume at Total Lung Capacity (TLC)
160	TLU_HU15	Num	8	Left upper third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
161	TRL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRL lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
162	TRL_PCT_BE_950	Num	8	Right lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
163	TRL_PCT_BE_910	Num	8	Right lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
164	TRL_PCT_BE_856	Num	8	Right lower third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
165	TRL_PCT_AE_0	Num	8	Right lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
166	TRL_MEAN	Num	8	Right lower third: Mean lung density at Total Lung Capacity (TLC)
167	TRL_SD	Num	8	Right lower third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
168	TRL_SKEW	Num	8	Right lower third: Skewness of lung density histogram at Total Lung Capacity (TLC)
169	TRL_KURT	Num	8	Right lower third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
170	TRL_AIR_V	Num	8	Right lower third: Total air volume at Total Lung Capacity (TLC)
171	TRL_TIS_V	Num	8	Right lower third: Total tissue volume at Total Lung Capacity (TLC)
172	TRL_TOT_V	Num	8	Right lower third: Total volume at Total Lung Capacity (TLC)
173	TRL_HU15	Num	8	Right lower third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
174	TRM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRM lung at Total Lung Capacity (TLC)
175	TRM_PCT_BE_950	Num	8	Right middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
176	TRM_PCT_BE_910	Num	8	Right middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
177	TRM_PCT_BE_856	Num	8	Right middle third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
178	TRM_PCT_AE_0	Num	8	Right middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
179	TRM_MEAN	Num	8	Right middle third: Mean lung density at Total Lung Capacity (TLC)
180	TRM_SD	Num	8	Right middle third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
181	TRM_SKEW	Num	8	Right middle third: Skewness of lung density histogram at Total Lung Capacity (TLC)
182	TRM_KURT	Num	8	Right middle third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
183	TRM_AIR_V	Num	8	Right middle third: Total air volume at Total Lung Capacity (TLC)
184	TRM_TIS_V	Num	8	Right middle third: Total tissue volume at Total Lung Capacity (TLC)
185	TRM_TOT_V	Num	8	Right middle third: Total volume at Total Lung Capacity (TLC)
186	TRM_HU15	Num	8	Right middle third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
187	TRU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRU lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
188	TRU_PCT_BE_950	Num	8	Right upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
189	TRU_PCT_BE_910	Num	8	Right upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
190	TRU_PCT_BE_856	Num	8	Right upper third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
191	TRU_PCT_AE_0	Num	8	Right upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
192	TRU_MEAN	Num	8	Right upper third: Mean lung density at Total Lung Capacity (TLC)
193	TRU_SD	Num	8	Right upper third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
194	TRU_SKEW	Num	8	Right upper third: Skewness of lung density histogram at Total Lung Capacity (TLC)
195	TRU_KURT	Num	8	Right upper third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
196	TRU_AIR_V	Num	8	Right upper third: Total air volume at Total Lung Capacity (TLC)
197	TRU_TIS_V	Num	8	Right upper third: Total tissue volume at Total Lung Capacity (TLC)
198	TRU_TOT_V	Num	8	Right upper third: Total volume at Total Lung Capacity (TLC)
199	TRU_HU15	Num	8	Right upper third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
200	LEFT_PCT_ABV_600	Num	8	Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
201	LEFT_PCT_ABV_650	Num	8	Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
202	RIGHT_PCT_ABV_600	Num	8	right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
203	RIGHT_PCT_ABV_650	Num	8	right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
204	BOTH_PCT_ABV_600	Num	8	Both lungs: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
205	BOTH_PCT_ABV_650	Num	8	Both lungs: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
206	LU_PCT_ABV_600	Num	8	Upper Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
207	LU_PCT_ABV_650	Num	8	Upper Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
208	LL_PCT_ABV_600	Num	8	Lower Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
209	LL_PCT_ABV_650	Num	8	Lower Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
210	RU_PCT_ABV_600	Num	8	Upper right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
211	RU_PCT_ABV_650	Num	8	Upper right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
212	RM_PCT_ABV_600	Num	8	Middle right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
213	RM_PCT_ABV_650	Num	8	Middle right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
214	RL_PCT_ABV_600	Num	8	Lower right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
215	RL_PCT_ABV_650	Num	8	Lower right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
216	TLU_PCT_ABV_600	Num	8	Left upper third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
217	TLU_PCT_ABV_650	Num	8	Left upper third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
218	TLM_PCT_ABV_600	Num	8	Left middle third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
219	TLM_PCT_ABV_650	Num	8	Left middle third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
220	TLL_PCT_ABV_600	Num	8	Left lower third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
221	TLL_PCT_ABV_650	Num	8	Left lower third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
222	TRU_PCT_ABV_600	Num	8	right upper third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
223	TRU_PCT_ABV_650	Num	8	right upper third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
224	TRM_PCT_ABV_600	Num	8	right middle third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
225	TRM_PCT_ABV_650	Num	8	right middle third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
226	TRL_PCT_ABV_600	Num	8	right lower third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
227	TRL_PCT_ABV_650	Num	8	right lower third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
228	PCT_EMPHYSEMA	Num	8	Percentage of emphysema in the lung based on -950 Hounsfield units
229	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
230	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
231	SESSION_ID_VERSION	Char	15	Version ID of the Session ID
232	subjectid	Char	9	dbgapid

Data Set Name: v1_dem_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	DEM01A	Num	8	DEM01A Age
5	DEM02	Char	2	DEM02 Highest grade completed
6	DEM03	Char	1	DEM03 Marital status
7	DEM04	Char	1	DEM04 Total yearly household income
8	VERSION	Char	21	Version
9	DEM0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_derv_cbc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	CBC03_DERV	Num	8	3) Total red blood cells
5	CBC04_DERV	Num	8	4) Hemoglobin
6	CBC05_DERV	Num	8	5) Hemacrit
7	CBC06_DERV	Num	8	6) Mean corpuscular volume
8	CBC07_DERV	Num	8	7) Red blood cell distribution width
9	CBC08_DERV	Num	8	8) Total white blood cells
10	CBC09_DERV	Num	8	9) Neutrophil granulocyte
11	CBC10_DERV	Num	8	10) Lymphocytes
12	CBC11_DERV	Num	8	11) Monocytes
13	CBC12_DERV	Num	8	12) Eosinophil granuloctyes
14	CBC13_DERV	Num	8	13) Basophil granuloctyes
15	CBC14_DERV	Num	8	14) Platelet Count
16	CBC15_DERV	Num	8	15) Mean Platelet Volume
17	CBC16_DERV	Char	2000	16) Comments:
18	CBC09A_DERV	Num	8	9a) Neutrophil granulocyte %
19	CBC10A_DERV	Num	8	10a) Lymphocyte %
20	CBC11A_DERV	Num	8	11a) Monocyte %
21	CBC12A_DERV	Num	8	12a) Eosinophil granuloctye %
22	CBC13A_DERV	Num	8	13a) Basophil granuloctye %
23	VERSION	Char	21	Version
24	CBC0A_DERV_DAYS	Num	8	Form Date - Days from enrollment
25	CBC01_DERV_DAYS	Num	8	Form Date - Days from enrollment
26	CBC02_DERV_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_derv_post_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFV01	Char	9	study_id
5	PFV10	Char	15	Position
6	PFV12	Num	8	visit_num
7	PFV13	Num	8	interval_num
8	PFV14	Num	8	stage_num
9	PFV15	Num	8	seq_num
10	PFV16	Char	15	vlabel
11	PFV17	Num	8	repeats
12	PFV22B	Char	8	time
13	PFV23B	Char	8	time_best
14	PFV24B	Char	8	time_first
15	PFV27	Num	8	temperature
16	PFV28	Num	8	barometric
17	PFV29	Num	8	humidity
18	VERSION	Char	21	Version
19	PFV31_DERV	Num	8	Fvcpd_derv
20	PFV36_DERV	Num	8	Pctfvc_derv
21	PFV40_DERV	Num	8	Fvc_derv
22	PFV41	Num	8	flag_fvc_best
23	PFV49_DERV	Num	8	Fev3_derv
24	PFV51_DERV	Num	8	Fev6_derv
25	PFV68_DERV	Num	8	Expt_derv
26	PFV71_DERV	Num	8	Fivc_derv
27	PFV72_DERV	Num	8	Fiv05_derv
28	PFV73_DERV	Num	8	Fiv05fivc_derv
29	PFV74_DERV	Num	8	Fiv1_derv
30	PFV75_DERV	Num	8	Fiv1fivc_derv
31	PFV76_DERV	Num	8	Fiv3_derv
32	PFV78_DERV	Num	8	Fif212_derv
33	PFV79_DERV	Num	8	Fif2575_derv
34	PFV80_DERV	Num	8	Mit_derv
35	PFV30_DERV	Num	8	Fevpd_derv
36	PFV35_DERV	Num	8	Pctfev_derv
37	PFV43_DERV	Num	8	Fev05_derv

Num	Variable	Type	Len	Label
38	PFV45_DERV	Num	8	Fev1_derv
39	PFV46	Num	8	flag_fev_best
40	PFV66_DERV	Num	8	Vext_derv
41	PFV67_DERV	Num	8	Pctvext_derv
42	PFV69_DERV	Num	8	RVSPCA_derv
43	PFV70_DERV	Num	8	Fevdiff_derv
44	PFV33_DERV	Num	8	Fev1_fvcpd_derv
45	PFV39_DERV	Num	8	Pctfev_fvc_derv
46	PFV44_DERV	Num	8	Fev05fvc_derv
47	PFV47_DERV	Num	8	Fev1fvc_derv
48	PFV48	Num	8	flag_fevfvc_best
49	PFV50_DERV	Num	8	Fev3fvc_derv
50	PFV32_DERV	Num	8	Fefpd_derv
51	PFV37_DERV	Num	8	Pctfef2575_derv
52	PFV52_DERV	Num	8	Fef212_derv
53	PFV53_DERV	Num	8	Fef2575_derv
54	PFV54	Num	8	flag_fef2575_best
55	PFV55_DERV	Num	8	Fef25756_derv
56	PFV56_DERV	Num	8	Fef25_derv
57	PFV57_DERV	Num	8	Fef50_derv
58	PFV58_DERV	Num	8	Fef506_derv
59	PFV59_DERV	Num	8	Fef75_derv
60	PFV60_DERV	Num	8	Fef756_derv
61	PFV61_DERV	Num	8	Fef7585_derv
62	PFV64_DERV	Num	8	Met_derv
63	PFV34_DERV	Num	8	Pefpd_derv
64	PFV38_DERV	Num	8	Pctpefr_derv
65	PFV62_DERV	Num	8	Pefr_derv
66	PFV63	Num	8	flag_pefr_best
67	PFV65_DERV	Num	8	Peft_derv
68	PFV77_DERV	Num	8	Pifr_derv
69	POST_FEV1FVC_DERV	Num	8	post_BD derived FEV1 FVC ratio using best FEV1 and FVC value
70	PFV22A_DAYS	Num	8	Date - Days from enrollment
71	PFV23A_DAYS	Num	8	Date best - Days from enrollment
72	PFV24A_DAYS	Num	8	Date first - Days from enrollment
73	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v1_derv_post_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PSV01	Char	9	study_id
5	PSV10	Char	15	position
6	PSV12	Num	8	visit_num
7	PSV13	Char	15	interval_num
8	PSV14	Num	8	stage_num
9	PSV15	Num	8	seq_num
10	PSV16	Char	5	vlabel
11	PSV17	Num	8	repeats
12	PSV19	Char	15	qa_grade
13	PSV20	Char	15	qa_status
14	PSV23B	Char	8	time_best
15	PSV24B	Char	8	time_first
16	PSV28	Num	8	temperature
17	PSV29	Num	8	barometric
18	PSV30	Num	8	humidity
19	PSV32	Char	5	tom
20	VERSION	Char	21	Version
21	PSV33_DERV	Num	8	Svc_derv
22	PSV34_DERV	Num	8	Svcpd_derv
23	PSV35_DERV	Num	8	Pctsvc_derv
24	PSV36	Num	8	flag_svc_best
25	PSV37_DERV	Num	8	IC_derv
26	PSV38_DERV	Num	8	IRV_derv
27	PSV39_DERV	Num	8	ERV_derv
28	PSV40_DERV	Num	8	TV_derv
29	PSV22A_DAYS	Num	8	Date - Days from enrollment
30	PSV23A_DAYS	Num	8	Date best - Days from enrollment
31	PSV24A_DAYS	Num	8	Date first - Days from enrollment
32	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v1_derv_pre_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFV01	Char	9	study_id
5	SFV10	Char	15	Position
6	SFV12	Num	8	visit_num
7	SFV13	Num	8	interval_num
8	SFV14	Num	8	stage_num
9	SFV15	Num	8	seq_num
10	SFV16	Char	10	vlabel
11	SFV17	Num	8	repeats
12	SFV22B	Char	8	time
13	SFV23B	Char	8	time_best
14	SFV24B	Char	8	time_first
15	SFV27	Num	8	temperature
16	SFV28	Num	8	barometric
17	SFV29	Num	8	humidity
18	VERSION	Char	21	Version
19	SFV31_DERV	Num	8	Fvcpd_derv
20	SFV36_DERV	Num	8	Pctfvc_derv
21	SFV40_DERV	Num	8	Fvc_derv
22	SFV41	Num	8	flag_fvc_best
23	SFV49_DERV	Num	8	Fev3_derv
24	SFV51_DERV	Num	8	Fev6_derv
25	SFV68_DERV	Num	8	Expt_derv
26	SFV71_DERV	Num	8	Fivc_derv
27	SFV72_DERV	Num	8	Fiv05_derv
28	SFV73_DERV	Num	8	Fiv05fivc_derv
29	SFV74_DERV	Num	8	Fiv1_derv
30	SFV75_DERV	Num	8	Fiv1fivc_derv
31	SFV76_DERV	Num	8	Fiv3_derv
32	SFV78_DERV	Num	8	Fif212_derv
33	SFV79_DERV	Num	8	Fif2575_derv
34	SFV80_DERV	Num	8	Mit_derv
35	SFV30_DERV	Num	8	Fevpd_derv
36	SFV35_DERV	Num	8	Pctfev_derv
37	SFV43_DERV	Num	8	Fev05_derv

Num	Variable	Type	Len	Label
38	SFV45_DERV	Num	8	Fev1_derv
39	SFV46	Num	8	flag_fev_best
40	SFV66_DERV	Num	8	Vext_derv
41	SFV67_DERV	Num	8	Pctvext_derv
42	SFV33_DERV	Num	8	Fev1_fvcpd_derv
43	SFV39_DERV	Num	8	Pctfev_fvc_derv
44	SFV44_DERV	Num	8	Fev05fvc_derv
45	SFV47_DERV	Num	8	Fev1fvc_derv
46	SFV48	Num	8	flag_fevfvc_best
47	SFV50_DERV	Num	8	Fev3fvc_derv
48	SFV32_DERV	Num	8	Fefpd_derv
49	SFV37_DERV	Num	8	Pctfef2575_derv
50	SFV52_DERV	Num	8	Fef212_derv
51	SFV53_DERV	Num	8	Fef2575_derv
52	SFV54	Num	8	flag_fef2575_best
53	SFV55_DERV	Num	8	Fef25756_derv
54	SFV56_DERV	Num	8	Fef25_derv
55	SFV57_DERV	Num	8	Fef50_derv
56	SFV58_DERV	Num	8	Fef506_derv
57	SFV59_DERV	Num	8	Fef75_derv
58	SFV60_DERV	Num	8	Fef756_derv
59	SFV61_DERV	Num	8	Fef7585_derv
60	SFV64_DERV	Num	8	Met_derv
61	SFV34_DERV	Num	8	Pefpd_derv
62	SFV38_DERV	Num	8	Pctpefr_derv
63	SFV62_DERV	Num	8	Pefr_derv
64	SFV63	Num	8	flag_pefr_best
65	SFV65_DERV	Num	8	Peft_derv
66	SFV77_DERV	Num	8	Pifr_derv
67	PRE_FEV1FVC_DERV	Num	8	pre-BD derived FEV1 FVC ratio using best FEV1 and FVC value
68	SFV22A_DAYS	Num	8	Date - Days from enrollment
69	SFV23A_DAYS	Num	8	Date best - Days from enrollment
70	SFV24A_DAYS	Num	8	Date first - Days from enrollment
71	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v1_derv_pre_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SSV01	Char	9	study_id
5	SSV10	Char	15	position
6	SSV12	Num	8	visit_num
7	SSV13	Num	8	interval_num
8	SSV14	Num	8	stage_num
9	SSV15	Num	8	seq_num
10	SSV16	Char	5	vlabel
11	SSV17	Num	8	repeats
12	SSV19	Char	15	qa_grade
13	SSV20	Char	15	qa_status
14	SSV23B	Char	8	time_best
15	SSV28	Num	8	temperature
16	SSV29	Num	8	barometric
17	SSV30	Num	8	humidity
18	SSV31	Num	8	pre_washout_1
19	VERSION	Char	21	Version
20	SSV33_DERV	Num	8	Svc_derv
21	SSV34_DERV	Num	8	Svcpd_derv
22	SSV35_DERV	Num	8	Pctsvc_derv
23	SSV36	Num	8	flag_svc_best
24	SSV37_DERV	Num	8	IC_derv
25	SSV38_DERV	Num	8	IRV_derv
26	SSV39_DERV	Num	8	ERV_derv
27	SSV40_DERV	Num	8	TV_derv
28	SSV22A_DAYS	Num	8	Date - Days from enrollment
29	SSV23A_DAYS	Num	8	Date best - Days from enrollment
30	SSV24A_DAYS	Num	8	Date first - Days from enrollment
31	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v1_eca_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ECA1	Char	1	1. Have you ever used an electronic cigarette or eCigarette?
5	ECA3A	Char	1	3a. Usually were the eCigarettes you smoke/smoked with flavorings?
6	ECA3B	Char	1	3b. If yes, what flavor was it?
7	ECA4	Char	1	4. Do you still smoke eCigarettes?
8	ECA5A	Char	1	5a. Do you still smoke regular tobacco cigarettes?
9	ECA5B	Num	8	5b. If Yes, how many regular cigarettes do you smoke a day:
10	ECA5C	Char	1	5c. Has your use of eCigarettes decreased the number of regular cigarettes you smoke each day?
11	ECA5C1	Num	8	5c1. If Yes, about how many fewer cigarettes do you now smoke?
12	ECA6	Char	1	6. How often do you smoke eCigarettes?
13	ECA7	Char	1	7. When did you last smoke an eCigarette?
14	ECA8	Num	8	8. In the last 24 hours, how many times have you smoked an eCigarette?
15	ECA9A	Char	1	9a. What brand of eCigarette do you now smoke?
16	ECA9B	Char	100	9b. Specify:
17	ECA10A	Char	1	10a. What cartridge size do you use most often with your eCigarettes?
18	ECA11	Num	8	11. In one week, how many eCigarette cartridges do you use?
19	ECA12	Char	1	12. Did you start smoking eCigarettes because you wanted to cut down or stop smoking regular cigarettes?
20	ECA13	Char	1	13. Did you start smoking eCigarettes because you wanted to improve your health?
21	ECA14A	Num	8	how long did you smoke eCigarettes days
22	ECA14B	Num	8	how long did you smoke eCigarettes months
23	ECA14C	Num	8	how long did you smoke eCigarettes years
24	ECA15A	Num	8	how long has it been since you smoked eCigarettes days
25	ECA15B	Num	8	how long has it been since you smoked eCigarettes months
26	ECA15C	Num	8	how long has it been since you smoked eCigarettes years
27	ECA16	Char	1	16. When did you did smoke eCigarettes, how often did you smoke eCigarettes?
28	ECA17	Char	1	17. What brand of eCigarette did you usually smoke?
29	ECA17A	Char	100	17a. Specify:
30	ECA18A	Char	1	18a. What size cartridge did you use most often with your eCigarettes?
31	ECA19	Num	8	19. On average, in one week, how many eCigarette cartridges did you use?
32	VERSION	Char	21	Version
33	ECA0A_DAYS	Num	8	Form Date - Days from enrollment
34	ECA2_DAYS	Num	8	Date first started smoking eCigarettes - Days from enrollment

Data Set Name: v1_ehf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	VISIT
4	EHF01	Char	1	EHF01 Have you ever been employed
5	EHF02	Char	1	EHF02 current employment situation
6	EHF07	Num	8	EHF07 Total number of years at last job
7	EHF08	Char	1	EHF08 left last job because of breathing or lung problems
8	EHF09	Char	1	EHF09 Not working because of difficulty breathing
9	EHF10	Char	1	EHF10 stoped work because of missed time due to illness
10	EHF11	Char	1	EHF11 Exposure to vapors, gas, dust or fumes at last job
11	EHF12	Char	1	EHF12 was last job the longest job ever held
12	EHF12D	Char	1	EHF12D Exposure to vapors, gas, dust, or fumes at longest job
13	EHF16	Num	8	EHF16 Number of years at current job
14	EHF17	Num	8	EHF17 average hours worked per week at current job
15	EHF18A	Char	1	EHF18A ever worked in a cotton, flax or hemp mill?
16	EHF18B	Char	1	EHF18B ever worked in a foundry?
17	EHF18C	Char	1	EHF18C ever worked in a glass works?
18	EHF18D	Char	1	EHF18D ever worked in a mine?
19	EHF18E	Char	1	EHF18E ever worked in a pottery?
20	EHF18F	Char	1	EHF18F ever worked in a power plant?
21	EHF18G	Char	1	EHF18G ever worked in a quarry?
22	EHF18H	Char	1	EHF18H ever worked in a refinery?
23	EHF18I	Char	1	EHF18I ever worked or with asbestos?
24	EHF18J	Char	1	EHF18J ever worked in synthetic fibers or fabric manufacturing?
25	EHF18K	Char	1	EHF18K ever worked in a paper mill?
26	EHF18L	Char	1	EHF18L ever worked in building or highway construction?
27	EHF18M	Char	1	EHF18M ever worked in an aluminum factory?
28	EHF18N	Char	1	EHF18N ever worked in a rubber tire plant?
29	EHF18O	Char	1	EHF18O ever worked in HVAC?
30	EHF18P	Char	1	EHF18P ever worked in demolition?
31	EHF18Q	Char	1	EHF18Q ever worked in remodeling?
32	EHF18R	Char	1	EHF18R ever worked in professional cleaning?
33	EHF18S	Char	1	EHF18S ever worked in beauty care?
34	EHF18T	Char	1	EHF18T ever worked in agriculture?
35	EHF18U	Char	1	EHF18U ever worked in the flooring industry?
36	EHF19A	Char	1	EHF19A ever worked as a boilermaker?
37	EHF19B	Char	1	EHF19B ever worked as a carpenter?

Num	Variable	Type	Len	Label
38	EHF19C	Char	1	EHF19C ever worked as a chemical worker?
39	EHF19D	Char	1	EHF19D ever worked as an electrician?
40	EHF19E	Char	1	EHF19E ever worked as an elevator operator?
41	EHF19F	Char	1	EHF19F ever worked as an insulator?
42	EHF19G	Char	1	EHF19G ever worked as a lather?
43	EHF19H	Char	1	EHF19H ever worked as a machinist?
44	EHF19I	Char	1	EHF19I ever worked as a mechanic?
45	EHF19J	Char	1	EHF19J ever worked as a millwright?
46	EHF19K	Char	1	EHF19K ever worked as a pipefitter?
47	EHF19L	Char	1	EHF19L ever worked as a plasterer?
48	EHF19M	Char	1	EHF19M ever worked as a plumber?
49	EHF19N	Char	1	EHF19N ever worked as a sander?
50	EHF19O	Char	1	EHF19O ever worked as a sheet metal worker?
51	EHF19P	Char	1	EHF19P ever worked as a steelworker?
52	EHF19Q	Char	1	EHF19Q ever worked as a welder?
53	EHF19R	Char	1	EHF19R ever worked as a pig farmer?
54	EHF19S	Char	1	EHF19S ever worked as a rigger?
55	EHF19T	Char	1	EHF19T ever worked as a roofer?
56	EHF19U	Char	1	EHF19U ever worked as a painter?
57	EHF19V	Char	1	EHF19V ever worked as a mason?
58	EHF20A	Char	1	EHF20A ever had regular exposure to Irritant gases, such as chlorine or ammonia?
59	EHF20B	Char	1	EHF20B ever had regular exposure to Fire, smoke or other combustion products?
60	EHF20C	Char	1	EHF20C ever had regular exposure to Incinerators, boilers, or oil refineries?
61	EHF20D	Char	1	EHF20D ever had regular exposure to Coal dust or powder?
62	EHF20E	Char	1	EHF20E ever had regular exposure to Silica or sand, or concrete or cement dust?
63	EHF20F	Char	1	EHF20F ever had regular exposure to Indoor fuel powered motors, compressors, or engines?
64	EHF20G	Char	1	EHF20G ever had regular exposure to Diesel engine exhaust?
65	EHF20H	Char	1	EHF20H ever had regular exposure to Wheat flour or other grain dusts?
66	EHF20I	Char	1	EHF20I ever had regular exposure to Animal feeds or fodder?
67	EHF20J	Char	1	EHF20J ever had regular exposure to Cotton dust or cotton processing?
68	EHF20K	Char	1	EHF20K ever had regular exposure to Wood dust or saw dust?
69	EHF20L	Char	1	EHF20L ever had regular exposure to Cadmium fumes or batteries or sliver solder?
70	EHF20M	Char	1	EHF20M ever had regular exposure to Other metal dusts or metal fumes?
71	EHF20N	Char	1	EHF20N ever had regular exposure to Welding or flame cutting?
72	EHF20O	Char	1	EHF20O ever had regular exposure to Fiberglass or other man-made mineral fibers?
73	EHF20P	Char	1	EHF20P ever had regular exposure to Explosives or blasting fumes?
74	EHF07A	Num	8	EHF07A average number of hours per week worked at last job
75	EHF12E	Num	8	EHF12E year longest held job started
76	EHF12F	Num	8	EHF12F Total number of years at longest job held

Num	Variable	Type	Len	Label
77	EHF12G	Num	8	EHF12G average number of hours per week worked at longest held job
78	EHF18A1	Num	8	EHF18A1 How many years worked in a cotton, flax or hemp mill?
79	EHF18B1	Num	8	EHF18B1 How many years worked in a foundry?
80	EHF18C1	Num	8	EHF18C1 How many years worked in a glass works?
81	EHF18D1	Num	8	EHF18D1 How many years worked in a mine?
82	EHF18E1	Num	8	EHF18E1 How many years worked in a pottery?
83	EHF18F1	Num	8	EHF18F1 How many years worked in a power plant?
84	EHF18G1	Num	8	EHF18G1 How many years worked in a quarry?
85	EHF18H1	Num	8	EHF18H1 How many years worked in a refinery?
86	EHF18I1	Num	8	EHF18I1 How many years worked or with asbestos?
87	EHF18J1	Num	8	EHF18J1 How many years worked in synthetic fibers or fabric manufacturing?
88	EHF18K1	Num	8	EHF18K1 How many years worked in a paper mill?
89	EHF18L1	Num	8	EHF18L1 How many years worked in building or highway construction?
90	EHF18M1	Num	8	EHF18M1 How many years worked in an aluminum factory?
91	EHF18N1	Num	8	EHF18N1 How many years worked in a rubber tire plant?
92	EHF18O1	Num	8	EHF18O1 How many years worked in HVAC?
93	EHF18P1	Num	8	EHF18P1 How many years worked in demolition?
94	EHF18Q1	Num	8	EHF18Q1 How many years worked in remodeling?
95	EHF18R1	Num	8	EHF18R1 How many years worked in professional cleaning?
96	EHF18S1	Num	8	EHF18S1 How many years worked in beauty care?
97	EHF18T1	Num	8	EHF18T1 How many years worked in agriculture?
98	EHF18U1	Num	8	EHF18U1 How many years worked in the flooring industry?
99	EHF19A1	Num	8	EHF19A1 How many years worked as a boilermaker?
100	EHF19B1	Num	8	EHF19B1 How many years worked as a carpenter?
101	EHF19C1	Num	8	EHF19C1 How many years worked as a chemical worker?
102	EHF19D1	Num	8	EHF19D1 How many years worked as an electrician?
103	EHF19E1	Num	8	EHF19E1 How many years worked as an elevator operator?
104	EHF19F1	Num	8	EHF19F1 How many years worked as an insulator?
105	EHF19G1	Num	8	EHF19G1 How many years worked as a lather?
106	EHF19I1	Num	8	EHF19I1 How many years worked as a machinist?
107	EHF19J1	Num	8	EHF19J1 How many years worked as a mechanic?
108	EHF19K1	Num	8	EHF19K1 How many years worked as a millwright?
109	EHF19L1	Num	8	EHF19L1 How many years worked as a pipefitter?
110	EHF19M1	Num	8	EHF19M1 How many years worked as a plasterer?
111	EHF19N1	Num	8	EHF19N1 How many years worked as a plumber?
112	EHF19O1	Num	8	EHF19O1 How many years worked as a sander?
113	EHF19P1	Num	8	EHF19P1 How many years worked as a sheet metal worker?
114	EHF19Q1	Num	8	EHF19Q1 How many years worked as a steelworker?
115	EHF19R1	Num	8	EHF19R1 How many years worked as a welder?

Num	Variable	Type	Len	Label
116	EHF19S1	Num	8	EHF19S1 How many years worked as a pig farmer?
117	EHF19T1	Num	8	EHF19T1 How many years worked as a rigger?
118	EHF19U1	Num	8	EHF19U1 How many years worked as a roofer?
119	EHF19V1	Num	8	EHF19V1 How many years worked as a painter?
120	EHF20A1	Num	8	EHF20A1 How many years worked as a mason?
121	EHF20B1	Num	8	EHF20B1 How many years regularly exposed to Irritant gases, such as chlorine or ammonia?
122	EHF20C1	Num	8	EHF20C1 How many years regularly exposed to Fire, smoke or other combustion products?
123	EHF20D1	Num	8	EHF20D1 How many years regularly exposed to Incinerators, boilers, or oil refineries?
124	EHF20E1	Num	8	EHF20E1 How many years regularly exposed to Coal dust or powder?
125	EHF20F1	Num	8	EHF20F1 How many years regularly exposed to Silica or sand, or concrete or cement dust?
126	EHF20G1	Num	8	EHF20G1 How many years regularly exposed to Indoor fuel powered motors, compressors, or engines?
127	EHF20H1	Num	8	EHF20H1 How many years regularly exposed to Diesel engine exhaust?
128	EHF20I1	Num	8	EHF20I1 How many years regularly exposed to Wheat flour or other grain dusts?
129	EHF20J1	Num	8	EHF20J1 How many years regularly exposed to Animal feeds or fodder?
130	EHF20K1	Num	8	EHF20K1 How many years regularly exposed to Cotton dust or cotton processing?
131	EHF20L1	Num	8	EHF20L1 How many years regularly exposed to Wood dust or saw dust?
132	EHF20M1	Num	8	EHF20M1 How many years regularly exposed to Cadmium fumes or batteries or sliver solder?
133	EHF20N1	Num	8	EHF20N1 How many years regularly exposed to Other metal dusts or metal fumes?
134	EHF20O1	Num	8	EHF20O1 How many years regularly exposed to Welding or flame cutting?
135	EHF20P1	Num	8	EHF20P1 How many years regularly exposed to Fiberglass or other man-made mineral fibers?
136	EHF21	Char	1	EHF21 Type of mine
137	EHF21A	Char	50	EHF21A Specify type of mine
138	EHF22	Char	1	EHF22 What was mined?
139	EHF22A	Char	50	EHF22A Specify type of material mined
140	EHF23	Char	1	EHF23 Exposure to vapors, gas, dust, or fumes at current job
141	EHF24	Char	1	EHF24 Is current job the longest job you ever had
142	EHF24D	Char	1	EHF24D Exposure to vapors, gas, dust, or fumes in current/longest held job
143	EHF24F	Num	8	EHF24F number of years worked at current/longest held job
144	EHF24G	Num	8	EHF24G average number of hours per week at current/longest job
145	EHF19H1	Num	8	How many years?
146	VERSION	Char	21	VERSION
147	EHF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_fct_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	FCT01	Char	1	FCT01 Lack of energy
5	FCT02	Char	1	FCT02 Nausea
6	FCT03	Char	1	FCT03 Physical limitations
7	FCT04	Char	1	FCT04 Pain
8	FCT05	Char	1	FCT05 Side effects of treatment
9	FCT06	Char	1	FCT06 Illness
10	FCT07	Char	1	FCT07 Forced time in bed
11	FCT08	Char	1	FCT08 Closeness to friends
12	FCT09	Char	1	FCT09 Emotional support from family
13	FCT10	Char	1	FCT10 Support from friends
14	FCT11	Char	1	FCT11 Family accepted illness
15	FCT12	Char	1	FCT12 Satisfied with communication
16	FCT13	Char	1	FCT13 Closeness to partner
17	FCT14	Num	8	FCT14 Answer or mark box
18	FCT15	Char	1	FCT15 Satisfaction with sex life
19	FCT16	Char	1	FCT16 Feeling sad
20	FCT17	Char	1	FCT17 Satisfaction with coping
21	FCT18	Char	1	FCT18 Loss of hope
22	FCT19	Char	1	FCT19 Feeling nervous
23	FCT20	Char	1	FCT20 Worries about death
24	FCT21	Char	1	FCT21 Worry about worsening condition
25	FCT22	Char	1	FCT22 Ability to work
26	FCT23	Char	1	FCT23 Fulfillment of work
27	FCT24	Char	1	FCT24 Ability to enjoy life
28	FCT25	Char	1	FCT25 Acceptance of illness
29	FCT26	Char	1	FCT26 Sleeping well
30	FCT27	Char	1	FCT27 Enjoyment of fun activities
31	FCT28	Char	1	FCT28 Content with quality of life
32	FCT29	Char	1	FCT29 Feeling fatigued
33	FCT30	Char	1	FCT30 Feeling weak
34	FCT31	Char	1	FCT31 Feeling listless
35	FCT32	Char	1	FCT32 Feeling tired
36	FCT33	Char	1	FCT33 Trouble starting things
37	FCT34	Char	1	FCT34 Trouble finishing things

Num	Variable	Type	Len	Label
38	FCT35	Char	1	FCT35 Energy
39	FCT36	Char	1	FCT36 Ability to do usual activities
40	FCT37	Char	1	FCT37 Need to sleep during day
41	FCT38	Char	1	FCT38 Too tired to eat
42	FCT39	Char	1	FCT39 Need helping with usual activities
43	FCT40	Char	1	FCT40 Frustrated with fatigue
44	FCT41	Char	1	FCT41 Fatigue limits social activities
45	VERSION	Char	21	Version
46	FACIT_PHYSICALWELLBEINGSCORE01	Num	8	Baseline FACIT physical wellbeing score
47	FACIT_SOCIALWELLBEINGSCORE01	Num	8	Baseline FACIT social wellbeing score
48	FACIT_EMOTIONALWELLBEINGSCORE01	Num	8	Baseline FACIT emotional wellbeing score
49	FACIT_FUNCTIONALWELLBEINGSCORE01	Num	8	Baseline FACIT functional wellbeing score
50	FACIT_FATIGUESCORE01	Num	8	Baseline FACIT fatigue score
51	FACIT_FTRIALOUTCOMEINDEX01	Num	8	Baseline FACIT F trial outcome index score
52	FACIT_GTOTALSCORE01	Num	8	Baseline FACIT G total score
53	FACIT_FTOTALSCORE01	Num	8	Baseline FACIT F total score
54	FCT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_hds_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	HDS01	Num	8	HDS01 Feeling tense
5	HDS02	Num	8	HDS02 Enjoyment
6	HDS03	Char	1	HDS03 Feeling fearful
7	HDS04	Char	1	HDS04 Sense of humor
8	HDS05	Num	8	HDS05 Worried thoughts
9	HDS06	Num	8	HDS06 Feeling cheerful
10	HDS07	Num	8	HDS07 Ability to relax
11	HDS08	Num	8	HDS08 Feeling slowed down
12	HDS09	Num	8	HDS09 Feeling frightened
13	HDS10	Num	8	HDS10 Lost interest in appearance
14	HDS11	Num	8	HDS11 Feeling restless
15	HDS12	Num	8	HDS12 Looking forward
16	HDS13	Num	8	HDS13 Sudden feelings of panic
17	HDS14	Num	8	HDS14 Ability to enjoy
18	VERSION	Char	21	Version
19	HDS_ANXIETYSCORE01	Num	8	Baseline HDS Anxiety Score
20	HDS_DEPRESSIONSCORE01	Num	8	Baseline HDS Depression Score
21	HDS0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_isp_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ISP01A	Num	8	1) 10% fall from
5	ISP01B	Num	8	is
6	ISP02A	Num	8	2) 20% fall from
7	ISP02B	Num	8	is
8	ISP03	Num	8	3) Was the participant given albuterol prior to suptum induction?
9	ISP03A	Num	8	3a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
10	ISP03B	Num	8	3b) How many puffs of albuterol was the participant given?
11	ISP04A	Num	8	a) FEV1
12	ISP05A	Num	8	a) FEV1
13	ISP06A	Num	8	a) FEV1
14	ISP08	Char	1	8) Spirometry ok to continue?
15	ISP09A	Num	8	a) FEV1
16	ISP10A	Num	8	a) FEV1
17	ISP11A	Num	8	a) FEV1
18	ISP12A	Num	8	a) FEV1
19	ISP13A	Num	8	a) FEV1
20	ISP14A	Num	8	a) FEV1
21	ISP15A	Num	8	a) FEV1
22	ISP16	Char	1	16) First 7 minutes complete, continue induction? (If 'No', go to item 27)
23	ISP17	Char	1	17) If yes, % NaCl used:
24	ISP18A	Num	8	a) FEV1
25	ISP19A	Num	8	a) FEV1
26	ISP20A	Num	8	a) FEV1
27	ISP21A	Num	8	a) FEV1
28	ISP22	Char	1	22) Second 7 minutes complete, continue induction? (If 'No', go to item 27)
29	ISP23A	Num	8	a) FEV1
30	ISP24A	Num	8	a) FEV1
31	ISP25A	Num	8	a) FEV1
32	ISP26A	Num	8	a) FEV1
33	ISP27	Char	1	27) Was the participant able to produce sputum?
34	ISP28	Char	1	28) Was the induction terminated early? (If 'No', 30)
35	ISP29	Char	1	29) Reason terminated early
36	ISP29A	Char	30	Specify other
37	ISP30	Char	1	30) Did the participant require additional albuterol?

Num	Variable	Type	Len	Label
38	ISP31A	Num	8	a) FEV1
39	ISP32A	Num	8	a) FEV1
40	ISP33A	Num	8	a) FEV1
41	ISP0D	Char	5	Time Collected
42	ISP0D_AMPM	Char	1	AM/PM
43	VERSION	Char	21	Version
44	ISP0A_DAYS	Num	8	Form Date - Days from enrollment
45	ISP0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v1_isw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ISW01A	Num	8	1) 10% fall from
5	ISW01B	Num	8	is
6	ISW02A	Num	8	2) 20% fall from
7	ISW02B	Num	8	is
8	ISW03	Num	8	3) Was the participant given albuterol prior to suptum induction?
9	ISW03A	Num	8	3a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
10	ISW03B	Num	8	3b) How many puffs of albuterol was the participant given?
11	ISW04A	Num	8	a) FEV1:
12	ISW05A	Num	8	a) FEV1:
13	ISW06A	Num	8	a) FEV1:
14	ISW08	Char	1	8) Spirometry ok to continue?
15	ISW09A	Num	8	a) FEV1
16	ISW10A	Num	8	a) FEV1
17	ISW11A	Num	8	a) FEV1
18	ISW12A	Num	8	a) FEV1
19	ISW13A	Num	8	a) FEV1
20	ISW14	Char	1	14) First 7 minutes complete, continue induction? (If 'No', go to item 20)
21	ISW15	Char	1	15) If yes, % NaCl used:
22	ISW16A	Num	8	a) FEV1
23	ISW17A	Num	8	a) FEV1
24	ISW18	Char	1	18) Second 7 minutes complete, continue induction? (If 'No', go to item 20)
25	ISW19	Char	1	19) If yes, % NaCl used:
26	ISW20A	Num	8	a) FEV1
27	ISW21A	Num	8	a) FEV1
28	ISW22	Char	1	22) Was the participant able to produce sputum?
29	ISW23	Char	1	23) Was the induction terminated early?
30	ISW24	Char	1	24) Reason terminated early
31	ISW24A	Char	30	Specify other
32	ISW25	Char	1	25) Did the participant require additional albuterol?
33	ISW26A	Num	8	a) FEV1
34	ISW27A	Num	8	a) FEV1
35	ISW28A	Num	8	a) FVC
36	ISW29	Char	2000	29) Note reason and time point obtained
37	ISW0D	Char	5	Time Collected

Num	Variable	Type	Len	Label
38	ISW0D_AMPM	Char	1	AM/PM
39	VERSION	Char	21	Version
40	ISW0A_DAYS	Num	8	Form Date - Days from enrollment
41	ISW0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v1_mcq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MCQ01	Char	1	MCQ01 Frequency of cough today
5	MCQ02	Char	1	MCQ02 Frequency of cough last night
6	MCQ03	Char	1	MCQ03 Severity of cough episodes
7	MCQ04	Char	1	MCQ04 Ease of coughing up sputum today
8	MCQ05	Char	1	MCQ05 Chest tightness/discomfort today
9	VERSION	Char	21	Version
10	MCQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_mrc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MRC01	Num	8	MRC01 Describe shortness of breath
5	VERSION	Char	21	Version
6	MRC0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_pft_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFT01	Num	8	PFT01 Large meal eaten within the last 2 hours
5	PFT02	Num	8	PFT02 Smoked within the last hour
6	PFT03	Num	8	PFT03 Vigorous exercise in the past 30 minutes
7	PFT04	Num	8	PFT04 Consumed alcohol within past 4 hours
8	PFT05	Num	8	PFT05 Medication for lungs in past 48 hours
9	PFT06	Num	8	PFT06 Use of Spiriva within past 48 hours
10	PFT06B	Char	5	PFT06B Time last used Spiriva
11	PFT06B_AMPM	Char	1	PFT06B_AMPM Last used Spiriva AM/PM
12	PFT07	Num	8	PFT07 Use of theophylline within past 48 hrs
13	PFT07A	Num	8	PFT07A Most recent type of theophyline used
14	PFT07C	Char	5	PFT07C Time last used theophyline
15	PFT07C_AMPM	Char	1	PFT07C_AMPM last used theophyline AM/PM
16	PFT08	Num	8	PFT08 Use of one-a-day bronchodilator
17	PFT08B	Char	5	PFT08B Time last used one-a-day bronchodilator
18	PFT08B_AMPM	Char	1	PFT08B_AMPM last used one-a-day bronchodilator AM/PM
19	PFT09	Num	8	PFT09 Use of long-acting beta agonist
20	PFT09A	Num	8	PFT09A Most recent long-acting beta agonist used
21	PFT09A1	Char	50	PFT09A1 Specify long-acting beta agonist
22	PFT09B	Char	5	PFT09B Time last used long-acting beta agonist
23	PFT09B_AMPM	Char	1	PFT09B_AMPM last used long-acting beta agonist AM/PM
24	PFT10	Num	8	PFT10 Use of ipratropium within the past 8 hours
25	PFT10A	Num	8	PFT10A Most recent ipratropium used
26	PFT10B	Char	5	PFT10B Time last used ipratropium
27	PFT10C_AMPM	Char	1	PFT10C_AMPM last used ipratropium AM/PM
28	PFT11	Num	8	PFT11 Use of short-acting beta agonist
29	PFT11A	Num	8	PFT11A Most recent short-acting beta agonist used
30	PFT11A7A	Char	50	PFT11A7A Specify short-acting beta agonist
31	PFT11B	Char	5	PFT11B Time last short-acting beta agonist used
32	PFT11B_AMPM	Char	1	PFT11B_AMPM last short-acting beta agonist used AM/PM
33	PFT12	Char	1	PFT12 Consumption of caffeine in past 6 hours
34	VERSION	Char	21	Version
35	PFT0A_DAYS	Num	8	Form Date - Days from enrollment
36	PFT06A_DAYS	Num	8	Date last used Spiriva - Days from enrollment
37	PFT07B_DAYS	Num	8	Date last used theophyline - Days from enrollment

Num	Variable	Type	Len	Label
38	PFT08A_DAYS	Num	8	Date last used one-a-day bronchodilator - Days from enrollment

Data Set Name: v1_pfv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFV01	Char	9	PFV01 study_id
5	PFV10	Char	15	PFV10 Position
6	PFV12	Num	8	PFV12 visit_num
7	PFV13	Num	8	PFV13 interval_num
8	PFV14	Num	8	PFV14 stage_num
9	PFV15	Num	8	PFV15 seq_num
10	PFV16	Char	15	PFV16 vlabel
11	PFV17	Num	8	PFV17 repeats
12	PFV19	Char	15	PFV19 qa_grade
13	PFV20	Char	15	PFV20 qa_status
14	PFV22B	Char	8	PFV22B time
15	PFV23B	Char	8	PFV23B time_best
16	PFV24B	Char	8	PFV24B time_first
17	PFV25	Num	8	PFV25 trial_seq_num
18	PFV26	Num	8	PFV26 ranking
19	PFV27	Num	8	PFV27 temperature
20	PFV28	Num	8	PFV28 barometric
21	PFV29	Num	8	PFV29 humidity
22	PFV30	Num	8	PFV30 fevpd
23	PFV31	Num	8	PFV31 fvcpd
24	PFV32	Num	8	PFV32 fefpd
25	PFV33	Num	8	PFV33 fev1_fvcpd
26	PFV34	Num	8	PFV34 pefpd
27	PFV35	Num	8	PFV35 pctfev
28	PFV36	Num	8	PFV36 pctfvc
29	PFV37	Num	8	PFV37 pctfef2575
30	PFV38	Num	8	PFV38 pctpefr
31	PFV39	Num	8	PFV39 pctfev_fvc
32	PFV40	Num	8	PFV40 fvc
33	PFV41	Num	8	PFV41 flag_fvc_best
34	PFV42B	Char	8	PFV42B trials_time
35	PFV43	Num	8	PFV43 fev05
36	PFV44	Num	8	PFV44 fev05fvc
37	PFV45	Num	8	PFV45 fev1

Num	Variable	Type	Len	Label
38	PFV46	Num	8	PFV46 flag_fev_best
39	PFV47	Num	8	PFV47 fev1fvc
40	PFV48	Num	8	PFV48 flag_fevfvc_best
41	PFV49	Num	8	PFV49 fev3
42	PFV50	Num	8	PFV50 fev3fvc
43	PFV51	Num	8	PFV51 fev6
44	PFV52	Num	8	PFV52 fef212
45	PFV53	Num	8	PFV53 fef2575
46	PFV54	Num	8	PFV54 flag_fef2575_best
47	PFV55	Num	8	PFV55 fef25756
48	PFV56	Num	8	PFV56 fef25
49	PFV57	Num	8	PFV57 fef50
50	PFV58	Num	8	PFV58 fef506
51	PFV59	Num	8	PFV59 fef75
52	PFV60	Num	8	PFV60 fef756
53	PFV61	Num	8	PFV61 fef7585
54	PFV62	Num	8	PFV62 pefr
55	PFV63	Num	8	PFV63 flag_pefr_best
56	PFV64	Num	8	PFV64 met
57	PFV65	Num	8	PFV65 peft
58	PFV66	Num	8	PFV66 vext
59	PFV67	Num	8	PFV67 pctvext
60	PFV68	Num	8	PFV68 expt
61	PFV69	Num	8	PFV69 RVSPCA
62	PFV70	Char	4	PFV70 fevdiff
63	PFV71	Num	8	PFV71 fivc
64	PFV72	Num	8	PFV72 fiv05
65	PFV73	Num	8	PFV73 fiv05fivc
66	PFV74	Num	8	PFV74 fiv1
67	PFV75	Num	8	PFV75 fiv1fivc
68	PFV76	Num	8	PFV76 fiv3
69	PFV77	Num	8	PFV77 pifr
70	PFV78	Num	8	PFV78 fif212
71	PFV79	Num	8	PFV79 fif2575
72	PFV80	Num	8	PFV80 mit
73	VERSION	Char	21	Version
74	PFV22A_DAYS	Num	8	Date - Days from enrollment
75	PFV23A_DAYS	Num	8	Date best - Days from enrollment
76	PFV24A_DAYS	Num	8	Date first - Days from enrollment

Num	Variable	Type	Len	Label
77	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v1_psq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	PSAQ7	Char	2000	PSAQ7 Frequency of taking medication to sleep during the last month
4	PSAQ8	Char	2000	PSAQ8 Frequency of having trouble staying awake during the last month
5	PSAQ9	Char	2000	PSAQ9 Difficulty keeping up enthusiasm during the last month
6	VISIT	Char	10	Visit
7	PSQ01	Char	5	PSQ01 Usual bedtime in the past month
8	PSQ01_AMPM	Char	1	PSQ01_AMPM bedtime AM/PM
9	PSQ02	Num	8	PSQ02 Time taken to fall asleep in the past month
10	PSQ03	Char	5	PQQ03 Waking hour in the past month
11	PSQ03_AMPM	Char	1	PSQ03_AMPM waking hour AM/PM
12	PSQ04	Num	8	PSQ04 Hours of sleep per night in the past month
13	PSQ05A	Char	1	PSQ05A Trouble sleeping: Cannot get to sleep within 30 minutes
14	PSQ05B	Char	1	PSQ05B Trouble sleeping: Wake up in the middle of the night or early morning
15	PSQ05C	Char	1	PSQ05C Trouble sleeping: Have to get up to use the bathroom
16	PSQ05D	Char	1	PSQ05D Trouble sleeping: Cannot breathe comfortably
17	PSQ05E	Char	1	PSQ05E Trouble sleeping: Cough or snore loudly
18	PSQ05F	Char	1	PSQ05F Trouble sleeping: Feel too cold
19	PSQ05G	Char	1	PSQ05G Trouble sleeping: Feel too hot
20	PSQ05H	Char	1	PSQ05H Trouble sleeping: Have bad dreams
21	PSQ05I	Char	1	PSQ05I Trouble sleeping: Have pain
22	PSQ05J	Char	1	PSQ05J Trouble sleeping: Other reasons
23	PSQ06	Char	1	PSQ06 Sleep quality during the last month
24	PSQ10	Char	1	PSQ10 Bed partner/roommate
25	PSQ10A	Char	1	PSQ10A Bed partner/roommate reports: Loud snoring
26	PSQ10B	Char	1	PSQ10B Bed partner/roommate reports: Long pauses between breaths while asleep
27	PSQ10C	Char	1	PSQ10C Bed partner/roommate reports: Legs twitching or jerking while you sleep
28	PSQ10D	Char	1	PSQ10D Bed partner/roommate reports: Episodes of disorientation or confusion during sleep
29	PSQ10E	Char	1	PSQ10E Bed partner/roommate reports: Other restlessness while you sleep
30	PSQ10E1	Char	2000	PSQ10E1 Describe other restlessness during sleep
31	VERSION	Char	21	Version
32	PSQ_TOTALSCORE01	Num	8	Baseline Pittsburgh sleep total score
33	PSQ_DURATIONSLEEP01	Num	8	Baseline PSQ Duration of sleep)
34	PSQ_SLEEPDISTURBANCE01	Num	8	Baseline PSQ sleep disturbance

Num	Variable	Type	Len	Label
35	PSQ_SLEEPLATENCY01	Num	8	Baseline PSQ sleep latency
36	PSQ_DAYSLEEPYDYSFUNC01	Num	8	Baseline PSQ day dysfunction due to sleepness
37	PSQ_SLEEPEFFICIENCY01	Num	8	Baseline PSQ sleep efficiency
38	PSQ_OVERALLSLEEPQUALITY01	Num	8	Baseline PSQ overall sleep quality
39	PSQ_NEEDMEDSTOSLEEP01	Num	8	Baseline PSQ need meds to sleep
40	PSQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_psv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PSV01	Char	9	PSV01 study_id
5	PSV10	Char	15	PSV10 position
6	PSV12	Num	8	PSV12 visit_num
7	PSV13	Char	15	PSV13 interval_num
8	PSV14	Num	8	PSV14 stage_num
9	PSV15	Num	8	PSV15 seq_num
10	PSV16	Char	5	PSV16 vlabel
11	PSV17	Num	8	PSV17 repeats
12	PSV19	Char	15	PSV19 qa_grade
13	PSV20	Char	15	PSV20 qa_status
14	PSV22B	Char	8	PSV22B time
15	PSV23B	Char	8	PSV23B time_best
16	PSV24B	Char	8	PSV24B time_first
17	PSV25B	Char	8	PSV25B trials_time
18	PSV26	Num	8	PSV26 trial_seq_num
19	PSV27	Num	8	PSV27 ranking
20	PSV28	Num	8	PSV28 temperature
21	PSV29	Num	8	PSV29 barometric
22	PSV30	Num	8	PSV30 humidity
23	PSV32	Char	5	PSV32 tom
24	PSV33	Num	8	PSV33 svc
25	PSV34	Num	8	PSV34 svcpd
26	PSV35	Num	8	PSV35 pctsvc
27	PSV36	Num	8	PSV36 flag_svc_best
28	PSV37	Num	8	PSV37 ic
29	PSV38	Num	8	PSV38 irv
30	PSV39	Num	8	PSV39 erv
31	PSV40	Num	8	PSV40 tv
32	VERSION	Char	21	Version
33	PSV22A_DAYS	Num	8	Date - Days from enrollment
34	PSV23A_DAYS	Num	8	Date best - Days from enrollment
35	PSV24A_DAYS	Num	8	Date first - Days from enrollment
36	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v1_rds_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	WHEEZINGAGE	Num	8	RDS08A Age of first wheezing/whistling in chest
4	NATURECONDITION	Char	2000	RDS15a Nature of condition causing inability to walk
5	VISIT	Char	10	Visit
6	RDS01	Char	1	RDS01 Presence of cough
7	RDS01A	Char	1	RDS01A Frequency of cough
8	RDS02	Char	1	RDS02 Presence of cough in the morning
9	RDS03	Char	1	RDS03 Presence of cough during day/night
10	RDS03A	Char	1	RDS03A Severity of cough during the year
11	RDS03B	Num	8	RDS03B Number of years having cough
12	RDS04	Char	1	RDS04 Bringing up phlegm from chest
13	RDS04A	Char	1	RDS04A Frequency of bringing up phlegm
14	RDS05	Char	1	RDS05 Bringing up phlegm in the morning
15	RDS06	Char	1	RDS06 Bringing up phlegm in the day/night
16	RDS06A	Char	1	RDS06A Bringing up phlegm during the year
17	RDS06B	Num	8	RDS06B Number of years having trouble with phlegm
18	RDS07	Char	1	RDS07 Episodes of cough with phlegm
19	RDS07A	Num	8	RDS07A Number of episodes of cough with phlegm
20	RDS07B	Num	8	RDS07B Number of years having at least one episode
21	RDS08	Char	1	RDS08 Wheezing/ whistling in chest
22	RDS09	Char	1	RDS09 Shortness of breath from attack
23	RDS09A	Num	8	RDS09A Age of first attack
24	RDS09B	Char	1	RDS09B Two or more attacks
25	RDS09C	Char	1	RDS09C Required medicine for attacks
26	RDS10	Char	1	RDS10 Wheezing/whistling in last 12 months
27	RDS10A1	Char	1	RDS10A1 Recent wheezing with cold
28	RDS10A2	Char	1	RDS10A2 Recent wheezing apart from colds
29	RDS10A3	Char	1	RDS10A3 Recent wheezing more than once a week
30	RDS10A4	Char	1	RDS10A4 Recent wheezing most days/nights
31	RDS11	Char	1	RDS11 Sleep-disturbing cough
32	RDS12	Char	1	RDS12 Shortness of breath during sleep
33	RDS13	Char	1	RDS13 Recent wheezing/whistling
34	RDS14	Char	1	RDS14 Eye irritation
35	RDS15	Char	1	RDS15 Inability to walk not related to dyspnea
36	RDS16	Char	1	RDS16 Asthma
37	RDS16A	Num	8	RDS16A Age asthma started

Num	Variable	Type	Len	Label
38	RDS16A1	Num	8	RDS16A1 Age asthma started not known
39	RDS16B	Char	1	RDS16B Diagnosis of asthma
40	RDS16C	Char	1	RDS16C Current asthma
41	RDS16D	Num	8	RDS16D Age asthma stopped
42	RDS16D1	Num	8	RDS16D1 Age asthma stopped not known
43	RDS16E	Char	1	RDS16E Recent medical treatment for asthma
44	RDS17	Char	1	RDS17 Nose/eye allergies
45	RDS17A	Num	8	RDS17A Age allergies started
46	RDS17A1	Num	8	RDS17A1 Age allergies started not known
47	RDS17B	Char	1	RDS17B Diagnosis of allergies
48	RDS17C	Char	1	RDS17C Current allergies
49	RDS17D	Num	8	RDS17D Age allergies stopped
50	RDS17D1	Num	8	RDS17D1 Age allergies stopped not known
51	RDS17E	Char	1	RDS17E Recent medical treatment for allergies
52	RDS18	Char	1	RDS18 Attack of bronchitis
53	RDS18A	Char	1	RDS18A Diagnosis of bronchitis
54	RDS18B	Num	8	RDS18B Age first having bronchitis
55	RDS18B1	Num	8	As a child; age not known (Check if appropriate)
56	RDS18C	Num	8	RDS18C Number of times having bronchitis
57	RDS19	Char	1	RDS19 Pneumonia
58	RDS19A	Char	1	RDS19A Diagnosis of pneumonia
59	RDS19B	Num	8	RDS19B Age first having pneumonia
60	RDS19B1	Num	8	RDS19B1 Age of first pneumonia not known
61	RDS19C	Num	8	RDS19C Number of times having pneumonia
62	RDS20	Char	1	RDS20 Chronic bronchitis
63	RDS20A	Char	1	RDS20A Diagnosis of chronic bronchitis
64	RDS20B	Num	8	RDS20B Age chronic bronchitis started
65	RDS20C	Char	1	RDS20C Current chronic bronchitis
66	RDS20D	Char	1	RDS20D Recent medical treatment for chronic bronchitis
67	RDS21	Char	1	RDS21 Emphysema
68	RDS21A	Char	1	RDS21A Diagnosis of emphysema
69	RDS21B	Num	8	RDS21B Age emphysema started
70	RDS21C	Char	1	RDS21C Current emphysema
71	RDS21D	Char	1	RDS21D Recent medical treatment for emphysema
72	RDS22	Char	1	RDS22 COPD
73	RDS22A	Char	1	RDS22A Diagnosis of COPD
74	RDS22B	Num	8	RDS22B Age COPD started
75	RDS22C	Char	1	RDS22C Current COPD
76	RDS22D	Char	1	RDS22D Recent medical treatment for COPD

Num	Variable	Type	Len	Label
77	RDS23	Char	1	RDS23 Sleep apnea
78	RDS23A	Char	1	RDS23A Diagnosis of sleep apnea
79	RDS23B	Num	8	RDS23B Age sleep apnea started
80	RDS23C	Char	1	RDS23C Current sleep apnea
81	RDS23D	Char	1	RDS23D Recent medical treatment for sleep apnea
82	RDS24A	Char	1	RDS24A Other chest illness
83	RDS24B	Char	1	RDS24B Chest operations
84	RDS24C	Char	1	RDS24C Chest injuries
85	RDS24C1	Char	2000	RDS24C1 Other chest injuries Specify
86	RDS25A1	Char	1	RDS25A1 Father had chronic bronchitis
87	RDS25B1	Char	1	RDS25B1 Mother had chronic bronchitis
88	RDS25A2	Char	1	RDS25A2 Father had emphysema
89	RDS25B2	Char	1	RDS25B2 Mother had emphysema
90	RDS25A3	Char	1	RDS25A3 Father had COPD
91	RDS25B3	Char	1	RDS25B3 Mother had COPD
92	RDS25A4	Char	1	RDS25A4 Father had asthma
93	RDS25B4	Char	1	RDS25B4 Mother had asthma
94	RDS25A5	Char	1	RDS25A5 Father had lung cancer
95	RDS25B5	Char	1	RDS25B5 Mother han lung cancer
96	RDS26A	Char	1	RDS26A Father: smoked cigarettes
97	RDS26B	Char	1	RDS26B Mother: smoked cigarettes
98	RDS27	Char	1	RDS27 Ever Smoked cigarettes
99	RDS28	Num	8	RDS28 Age first started smoking
100	RDS29	Char	1	RDS29 Currently smoking as of one month ago
101	RDS30	Num	8	RDS30 Number Cigarettes smoked per day
102	RDS31	Num	8	RDS31 Age stopped smoking
103	RDS32	Num	8	RDS32 Average number cigarettes smoked per day
104	RDS33	Num	8	RDS33 No cigarettes smoked in the past 24 hours
105	RDS33A	Num	8	RDS33A Number of cigarettes smoked in the last 24 hours
106	RDS33B	Num	8	RDS33B Number of cigarettes smoked in the last 2 hours
107	RDS33C	Num	8	RDS33C Number of cigarettes smoked in the last 1/2 hour
108	RDS34	Char	1	RDS34 Ever smoked a pipe
109	RDS35	Num	8	RDS35 Age first started smoking a pipe
110	RDS36	Char	1	RDS36 Currently smoking pipe as of one month ago
111	RDS37	Num	8	RDS37 Number of ounces of pipe tobacco smoked per day currently
112	RDS38	Num	8	RDS38 Age stopped smoking a pipe
113	RDS39	Num	8	RDS39 Average Pipe tobacco usage per week
114	RDS40	Char	1	RDS40 Ever smoked cigars
115	RDS41	Num	8	RDS41 Age first started smoking cigars

Num	Variable	Type	Len	Label
116	RDS42	Char	1	RDS42 Currently smoking cigars as of one month ago
117	RDS43	Num	8	RDS43 Cigars smoked per day currently
118	RDS44	Num	8	RDS44 Age stopped smoking cigars
119	RDS45	Num	8	RDS45 Cigars smoked per week
120	RDS46	Char	1	RDS46 Approach to tobacco smoking in home
121	RDS47A	Num	8	RDS47A Years following approach to smoking in home
122	RDS47B	Char	1	RDS47B Refused or Don't Know number of year following approach to smoking in home
123	RDS48	Char	1	RDS48 Currently living with tobacco smoker
124	RDS49	Char	1	RDS49 Ever lived with a tobacco smoker as an adult (age 18) since adulthood
125	RDS50	Num	8	RDS50 Number of individuals smoking in household
126	RDS51A	Num	8	RDS51A Years living in household with smoker as an adult
127	RDS51B	Char	1	RDS51B Refused or don't know number of years living in a household with a smoker
128	RDS52	Char	1	RDS52 Ever lived with a tobacco smoker during childhood (prior to age 18)
129	RDS53FATHERCBI	Num	8	RDS53FATHERCBI Father smoked
130	RDS53MOTHERCBI	Num	8	RDS53MOTHERCBI Mother smoked
131	RDS53OTHERCBI	Num	8	RDS53OTHERCBI Other person smoked
132	RDS53REFUSEDCBI	Num	8	RDS53REFUSEDCBI Refused to indicate who smoked
133	RDS53NOTKNOWCBI	Num	8	RDS53NOTKNOWCBI Don't know person who smoked
134	RDS55	Char	1	RDS55 Mother smoking during pregnancy
135	RDS55A	Num	8	RDS55A Years during childhood living with tobacco smoker
136	RDS55B	Char	1	RDS55B Refused or don't know number of years living with a smoker as a child
137	RDS56	Char	1	RDS56 Anyone smoked in home in the last 7 days
138	RDS57	Num	8	RDS57 House of tobacco smoke exposure in the home in the last 7 days
139	RDS58	Char	1	RDS58 Visibly smokey room in the home in the last 7 days
140	RDS59	Char	1	RDS59 Tobacco smell in home in the last 7 days
141	RDS60	Char	1	RDS60 Eye irriation in the last 7 days after in-home exposure
142	RDS61	Char	1	RDS61 Nose irriation in the last 7 days after in-home exposure
143	RDS62	Char	1	RDS62 Coughing in the last 7 days after in-home exposure
144	RDS63	Char	1	RDS63 Extra inhalers used in the last 7 days due to smoke in home
145	RDS64	Char	1	RDS64 Visited home with indoor tobacco smokers in the last 7 days
146	RDS65	Num	8	RDS65 Number of hours of exposure to second-hand smoke in anothers home in the last 7 days
147	RDS66	Char	1	RDS66 Visibly smokey room when visiting another's home in the last 7 days
148	RDS67	Char	1	RDS67 Tobacco smell when visiting another's home in the last 7 days
149	RDS68	Char	1	RDS68 Eye irriation after smoke exposure when visiting another's home
150	RDS69	Char	1	RDS69 Nose irriation after smoke exposure when visiting another's home
151	RDS70	Char	1	RDS70 Coughing after smoke exposure when visiting another's home
152	RDS71	Char	1	RDS71 Extra inhalers used in the last 7 days due to smoke exposure when visiting another's home

Num	Variable	Type	Len	Label
153	RDS72	Char	1	RDS72 Traveled by car or other vehicle in the last 7 days with someone who smokes
154	RDS73	Num	8	RDS73 Hours spent traveling with tobacco smokers in the last 7 days
155	RDS74	Char	1	RDS74 Eye irriation after smoke exposure in car
156	RDS75	Char	1	RDS75 Nose irritation after smoke exposure in car
157	RDS76	Char	1	RDS76 Coughing/wheezing after smoke exposure in car
158	RDS77	Char	1	RDS77 Extra inhalers used after smoke exposure in car in the last 7 days
159	RDS78	Char	1	RDS78 Exposure to tobacco smoke at indoors at work in the last 7 days
160	RDS79	Num	8	RDS79 Hours exposed to tobacco smoke in doors at work in the last 7 days
161	RDS80	Char	1	RDS80 Visibly smoky indoors at work in the last 7 days
162	RDS81	Char	1	RDS81 Tobacco smell indoors at work in the last 7 days
163	RDS82	Char	1	RDS82 Eye irritation after smoke exposure indoors at work
164	RDS83	Char	1	RDS83 Nose irriation after smoke exposure indoors at work
165	RDS84	Char	1	RDS84 Coughing/wheezing after smoke exposure indoors at work
166	RDS85	Char	1	RDS85 Extra inhalers used in the last 7 days after smoke exposure indoors at work
167	RDS86	Char	1	RDS86 Outdoor area for smokers at work
168	RDS87	Num	8	RDS87 Number of times walking through outdoor smoker area in the last 7 days
169	RDS88	Num	8	RDS88 Hours spent at outdoor smoking area in the last 7 days
170	RDS89	Char	1	RDS89 Smell smoke in outdoor smokers area
171	RDS90	Char	1	RDS90 Eye irritation after smoke exposure from outdoor area
172	RDS91	Char	1	RDS91 Nose irritation after smoke exposure from outdoor area
173	RDS92	Char	1	RDS92 Coughing/wheezing after smoke exposure from outdoor area
174	RDS93	Char	1	RDS93 Extra inhalers used in the last 7 days after smoke exposure from outdoor smoking area
175	RDS94	Char	1	RDS94 Work requires one or more hours of outdoor time a week
176	RDS95	Num	8	RDS95 Hours spent in proximity to smoking coworkers in the last 7 days
177	RDS96	Char	1	RDS96 Smell smoke while working outdoors in the last 7 days
178	RDS97	Char	1	RDS97 Eye irritation after outdoor smoke exposure at work
179	RDS98	Char	1	RDS98 Nose irritation after outdoor smoke exposure at work
180	RDS99	Char	1	RDS99 Coughing/wheezing after outdoor smoke exposure at work
181	RDS100	Char	1	RDS100 Extra inhalers used in the last 7 days after exposure to smoke outdoors
182	RDS101	Char	1	RDS101 Exposure to tobacco smoke outdoors somewhere other than work in the last 7 days
183	RDS103	Char	1	RDS103 Smell tobacco smoke at non-work outdoor location in the last 7 days
184	RDS104	Num	8	RDS104 Hours of smoke exposure at non-work outdoor location in the last 7 days
185	RDS105	Char	1	RDS105 Eye irritation after non-work outdoor smoke exposure
186	RDS106	Char	1	RDS106 Nose irritation after non-work outdoor smoke exposure
187	RDS107	Char	1	RDS107 Coughing/wheezing after non-work outdoor smoke exposure
188	RDS108	Char	1	RDS108 Extra inhalers used in the last 7 days after non-work outdoor smoke exposure
189	RDS109	Char	1	RDS109 Exposure to tobacco smoke at place of entertainment in the last 7 days
190	RDS110	Num	8	RDS110 Hours of exposure to smoke at place of entertainment in the last 7 days

Num	Variable	Type	Len	Label
191	RDS111	Char	1	RDS111 Visibly smoky in place of entertainment in the last 7 days
192	RDS112	Char	1	RDS112 Smell tobacco in place of entertainment in the last 7 days
193	RDS113	Char	1	RDS113 Eye irritation after exposure in place of entertainment
194	RDS114	Char	1	RDS114 Nose irritation after exposure in place of entertainment
195	RDS115	Char	1	RDS115 Coughing/wheezing after exposure in place of entertainment
196	RDS116	Char	1	RDS116 Extra inhalers used in the last 7 days after smoke exposure in place of entertainment
197	RDS117	Char	1	RDS117 Other sites of exposure to tobacco smoke in the last 7 days
198	RDS119	Num	8	RDS119 Hours of exposure to smoke at this other location in the last 7 days
199	RDS120	Char	1	RDS120 Eye irritation after exposure from this other location
200	RDS121	Char	1	RDS121 Nose irritation after exposure from this other location
201	RDS122	Char	1	RDS122 Coughing/wheezing after exposure from this other location
202	RDS123	Char	1	RSD123 Extra inhalers used in the last 7 days after smoke exposure in this other location
203	RDS124	Char	1	RDS124 Ever smoked marijuana
204	RDS125	Char	1	RDS125 Ever regularly smoked marijuana (at least five times in a year)
205	RDS126	Num	8	RDS126 Average joints smoked per week
206	RDS127	Num	8	RDS127 Average number of pipes smoked per week
207	RDS128	Num	8	RDS128 Years smoking marijuana
208	RDS129	Char	1	RDS129 Recent marijuana smoking (last 12 months)
209	RDS130	Char	1	130) When was the last time you smoked marijuana?
210	VERSION	Char	21	Version
211	RDS0A_DAYS	Num	8	Form Date - Days from enrollment

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Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	VISIT
4	RMU01	Char	1	RMU01 Currently using Theophylline
5	RMU02	Char	1	RMU02 Currently using Oral Corticosteroids
6	RMU02A1	Num	8	RMU02A1 Years on oral corticosteroids
7	RMU02A2	Num	8	RMU02A2 Days on oral corticosteroids
8	RMU03	Char	1	RMU03 Supplemental oxygen usage
9	RMU03A	Num	8	RMU03A Hours using supplemental oxygen per day
10	RMU04	Char	1	RMU04 Inhaled steroids usage in last three months
11	RMU04A1	Char	1	RMU04A1 Inhaled steroids used in last 3 months: Azmacort (triamcinolone)
12	RMU04A1A	Num	8	RMU04A1A Azmacort (triamcinolone): Puffs/day?
13	RMU04A2	Char	1	RMU04A2 Inhaled steroids used in last 3 months: Beclovent (beclomethasone)
14	RMU04A2A	Num	8	RMU04A2A Beclovent (beclomethasone): Puffs/day?
15	RMU04A3	Char	1	RMU04A3 Inhaled steroids used in last 3 months: Vanceril (beclomethasone)
16	RMU04A3A	Num	8	RMU04A3A Vanceril (beclomethasone): Puffs/day?
17	RMU04A3B	Char	1	RMU04A3B Inhaled steroids used in last 3 months: Vanceril dose
18	RMU04A4	Char	1	RMU04A4 Inhaled steroids used in last 3 months: AeroBid (blunisolide)
19	RMU04A4A	Num	8	RMU04A4A AeroBid (blunisolide): Puffs/day?
20	RMU04A5	Char	1	RMU04A5 Inhaled steroids used in last 3 months: Flovent (fluticasone)
21	RMU04A5A	Num	8	RMU04A5A Flovent (fluticasone): Puffs/day?
22	RMU04A5B	Char	1	RMU04A5B Inhaled steroids used in last 3 months: Flovent dose
23	RMU04A6	Char	1	RMU04A6 Inhaled steroids used in last 3 months: Pulmicort (budesonide)
24	RMU04A6A	Num	8	RMU04A6A Pulmicort (budesonide): Puffs/day?
25	RMU04A6B	Char	1	RMU04A6B Inhaled steroids used in last 3 months: Pulmicort dose
26	RMU04A7	Char	1	RMU04A7 Inhaled steroids used in last 3 months: Qvar (beclomethasone)
27	RMU04A7A	Num	8	RMU04A7A Qvar (beclomethasone): Puffs/day?
28	RMU04A7B	Char	1	RMU04A7B Inhaled steroids used in last 3 months: Qvar dose
29	RMU04A8	Char	1	RMU04A8 Inhaled steroids used in last 3 months: Advair (bluticasone/salmeterol)
30	RMU04A8A	Num	8	RMU04A8A Advair (bluticasone/salmeterol): Puffs/day?
31	RMU04A8B	Char	1	RMU04A8B Inhaled steroids used in last 3 months: Advair dose
32	RMU04A9	Char	1	RMU04A9 Inhaled steroids used in last 3 months: Symbicort
33	RMU04A9A	Num	8	RMU04A9A Symbicort): Puffs/day?
34	RMU04A9B	Char	1	RMU04A9B Inhaled steroids used in last 3 months: Symbicort dose
35	RMU04A10	Char	1	RMU04A10 Inhaled steroids used in last 3 months: Other, specify
36	RMU04A10A	Num	8	RMU04A10A Other, specify: Puffs/day?
37	RMU04A10B	Char	50	RMU04A10B Inhaled steroids used in last 3 months:Specify

Num	Variable	Type	Len	Label
38	RMU05	Char	1	RMU05 Inhaled bronchodilators in last three months
39	RMU05A1	Char	1	RMU05A1 Inhaled bronchodilators used in last 3 months: Albuterol (Proventil, Ventolin, ProAir)
40	RMU05A1A	Num	8	RMU05A1A Albuterol (Proventil, Ventolin, ProAir): Puffs/day?
41	RMU05A2	Char	1	RMU05A2 Inhaled bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
42	RMU05A2A	Num	8	RMU05A2A ipratropium bromide (Atrovent): Puffs/day?
43	RMU05A3	Char	1	RMU05A3 Inhaled bronchodilators used in last 3 months: ipratropium bromide/albuterol sulfate (Combivent)
44	RMU05A3A	Num	8	RMU05A3A ipratropium bromide/albuterol sulfate (Combivent): Puffs/day?
45	RMU05A4	Char	1	RMU05A4 Inhaled bronchodilators used in last 3 months: terbutaline (Brethaire, Brethine, Bricanyl)
46	RMU05A4A	Num	8	RMU05A4A terbutaline (Brethaire, Brethine, Bricanyl): Puffs/day?
47	RMU05A5	Char	1	RMU05A5 Inhaled bronchodilators used in last 3 months: formoterol (Foradil)
48	RMU05A5A	Num	8	RMU05A5A formoterol (Foradil): Puffs/day?
49	RMU05A6	Char	1	RMU05A6 Inhaled bronchodilators used in last 3 months: tiotropium (Spiriva)
50	RMU05A6A	Num	8	RMU05A6A tiotropium (Spiriva): Puffs/day?
51	RMU05A7	Char	1	RMU05A7 Inhaled bronchodilators used in last 3 months: Salmeterol (Serevent Diskus)
52	RMU05A7A	Num	8	RMU05A7A Salmeterol (Serevent Diskus): Puffs/day?
53	RMU05A8	Char	1	RMU05A8 Inhaled bronchodilators used in last 3 months: Pirbuterol (Maxair)
54	RMU05A8A	Num	8	RMU05A8A Pirbuterol (Maxair): Puffs/day?
55	RMU05A9	Char	1	RMU05A9 Inhaled bronchodilators used in last 3 months: Metaproterenol (Alupent, Metaprel)
56	RMU05A10	Char	1	RMU05A10 Inhaled bronchodilators used in last 3 months: levalbuterol (Tomalate)
57	RMU05A10A	Num	8	RMU05A10A levalbuterol (Tomalate): Puffs/day?
58	RMU05A11	Char	1	RMU05A11 Inhaled bronchodilators used in last 3 months: bitolterol (Tornalate)
59	RMU05A12	Char	1	RMU05A12 Inhaled bronchodilators used in last 3 months: epinephrine (Primatene, Bronkaid)
60	RMU05A12A	Num	8	RMU05A12A epinephrine (Primatene, Bronkaid): Puffs/day?
61	RMU05A13	Char	1	RMU05A13 Inhaled bronchodilators used in last 3 months: fluticasone/salmeterol (Advair Diskus)
62	RMU05A13A	Num	8	RMU05A13A fluticasone/salmeterol (Advair Diskus): Puffs/day?
63	RMU05A14	Char	1	RMU05A14 Inhaled bronchodilators used in last 3 months: budesonide/formoterol (Symbicort)
64	RMU05A14A	Num	8	RMU05A14A budesonide/formoterol (Symbicort): Puffs/day?
65	RMU05A15	Char	1	RMU05A15 Inhaled bronchodilators used in last 3 months: Other)
66	RMU05A15A	Num	8	RMU05A15A Other: Puffs/day?
67	RMU05A15B	Char	50	RMU05A15B Inhaled bronchodilators used in last 3 months:Specify
68	RMU06	Char	1	RMU06 Nebulized bronchodilators usage in the last three months
69	RMU06A1	Char	1	RMU06A1 nebulized bronchodilators used in last 3 months: formoterol (Perforomist)
70	RMU06A2	Char	1	RMU06A2 nebulized bronchodilators used in last 3 months: arformoterol (Brovana)
71	RMU06A3	Char	1	RMU06A3 nebulized bronchodilators used in last 3 months: albuterol and ipratropium bromide (DuoNeb)
72	RMU06A4	Char	1	RMU06A4 nebulized bronchodilators used in last 3 months: albuterol (Proventil, Ventolin, ProAir)
73	RMU06A5	Char	1	RMU06A5 nebulized bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
74	RMU07	Char	1	RMU07 Leukotriene antagonist usage in the last 3 months

Num	Variable	Type	Len	Label
75	RMU08	Char	1	RMU08 Statin medications usage in the last three months
76	RMU08A1	Char	1	RMU08A1 statin used in last 3 months: Crestor (resuvastatin)
77	RMU08A2	Char	1	RMU08A2 statin used in last 3 months: Lescol (fluvastatin)
78	RMU08A3	Char	1	RMU08A3 statin used in last 3 months: Lipitor (atorvastatin)
79	RMU08A4	Char	1	RMU08A4 statin used in last 3 months: Mevacor (lovastatin)
80	RMU08A5	Char	1	RMU08A5 statin used in last 3 months: Pravachol (pravastatin)
81	RMU08A6	Char	1	RMU08A6 statin used in last 3 months: Vytorin (ezetimibe, simvastatin)
82	RMU08A7	Char	1	RMU08A7 statin used in last 3 months: Zocor (simvastatin)
83	RMU08A8	Char	1	RMU08A8 statin used in last 3 months: Other
84	RMU08A8B	Char	50	RMU08A8B statin used in last 3 months:Specify
85	RMU09	Char	1	RMU09 Beta-blocker medications usage in the last three months
86	RMU09A1	Char	1	RMU09A1 beta blocker used in last 3 months: Atenolol (tenormin, tenoretic)
87	RMU09A2	Char	1	RMU09A2 beta blocker used in last 3 months: Metoprolol (lopresor, toprol)
88	RMU09A3	Char	1	RMU09A3 beta blocker used in last 3 months: Carvedilol (coreg)
89	RMU09A4	Char	1	RMU09A4 beta blocker used in last 3 months: Labetalol (trandate, normodyne)
90	RMU09A5	Char	1	RMU09A5 beta blocker used in last 3 months: Propranalol (Inderal, Inderide)
91	RMU09A6	Char	1	RMU09A6 beta blocker used in last 3 months: Sotalol (Betapace, Sorine)
92	RMU09A7	Char	1	RMU09A7 beta blocker used in last 3 months: Timolol (Blocadren, timolide)
93	RMU09A8	Char	1	RMU09A8 beta blocker used in last 3 months: bisoprolol (zebeta, ziac)
94	RMU09A9	Char	1	RMU09A9 beta blocker used in last 3 months: pindolol (visken)
95	RMU09A10	Char	1	RMU09A10 beta blocker used in last 3 months: Other
96	RMU09A10B	Char	50	RMU09A10B beta blocker used in last 3 months:Specify
97	RMU10	Char	1	RMU10 Oral anti-oxidant supplements usage in the past three months
98	RMU10A1	Char	1	RMU10A1 oral anti-oxidants used in last 3 months: Vitamin C (ascorbic acid)
99	RMU10A2	Char	1	RMU10A2 oral anti-oxidants used in last 3 months: Vitamin E (alpha-tocopherol)
100	RMU10A3	Char	1	RMU10A3 oral anti-oxidants used in last 3 months: beta carotene
101	RMU10A4	Char	1	RMU10A4 oral anti-oxidants used in last 3 months: zinc
102	RMU10A5	Char	1	RMU10A5 oral anti-oxidants used in last 3 months: copper
103	RMU10A6	Char	1	RMU10A6 oral anti-oxidants used in last 3 months: fish oil
104	RMU10A7	Char	1	RMU10A7 oral anti-oxidants used in last 3 months: omega 3
105	RMU10A8	Char	1	RMU10A8 oral anti-oxidants used in last 3 months: Other
106	RMU11	Char	1	RMU11 Aspirin usage
107	RMU12H	Char	50	RMU12H Other Medication taken in the last 3 months
108	RMU12I	Char	50	RMU12I Other Medication taken in the last 3 months
109	RMU13D	Char	50	RMU13D Other Supplement taken in the last 3 months
110	RMU13E	Char	50	RMU13E Other Supplement taken in the last 3 months
111	RMU13F	Char	50	RMU13F Other Supplement taken in the last 3 months
112	RMU13G	Char	50	RMU13G Other Supplement taken in the last 3 months
113	RMU13H	Char	50	RMU13H Other Supplement taken in the last 3 months

Num	Variable	Type	Len	Label
114	RMU13I	Char	50	RMU13I Other Supplement taken in the last 3 months
115	VERSION	Char	21	VERSION
116	RMU0A_DAYS	Num	8	Form Date - Days from enrollment

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Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SDF01	Char	1	SDF01 Exhaled CO Measured
5	SDF01A	Num	8	SDF01A Monitor number
6	SDF01B	Num	8	SDF01B eCO Measurement 1
7	SDF01C	Num	8	SDF01C eCO Measurement 2
8	SDF02	Char	1	SDF02 Pre-bronchodilator spirometry
9	SDF02A	Char	5	SDF02A Time pre-BD slow vital capacity procedure began
10	SDF02A_AMPM	Char	1	SDF02A_AMPM AM/PM
11	SDF03A	Num	8	SDF03A Pre-BD Inspiratory Capacity
12	SDF03B	Num	8	SDF03B Pre-BD Expiratory slow vital capacity
13	SDF03C	Num	8	SDF03C Pre-BD FEV1
14	SDF03D	Num	8	SDF03D Pre-BD FVC
15	SDF04	Char	1	SDF04 Post-bronchodilator spirometry
16	SDF04A	Char	5	SDF04A Time first puff of bronchodilator administered
17	SDF04A_AMPM	Char	1	SDF04A_AMPM AM/PM
18	SDF04B	Char	5	SDF04B Time post-BD slow vital capacity procedure began
19	SDF04B_AMPM	Char	1	SDF04B_AMPM AM/PM
20	SDF05A	Num	8	SDF05A Post-BD Inspiratory Capacity
21	SDF05B	Num	8	SDF05B Post-BD Expiratory slow vital capacity
22	SDF05C	Num	8	SDF05C Post-BD FEV1
23	SDF05D	Num	8	SDF05D Post-BD FVC
24	SDF06	Char	1	SDF06 Post-BD Meet ATS-ERS requirements
25	SDF07	Char	1	SDF07 Complications during spirometry
26	VERSION	Char	21	Version
27	SDF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_sfh_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFH01	Num	8	SFH01 General Health
5	SFH02A	Num	8	SFH02A Limitations on moderate activites
6	SFH02B	Num	8	SFH02B Limitations on difficult activities
7	SFH03A	Char	1	SFH03A Limited in accomplishing tasks
8	SFH03B	Char	1	SFH03B Limited in daily activities
9	SFH04A	Char	1	SFH04A Emotional limitations on activities
10	SFH04B	Char	1	SHF04B Emotional limitations on daily life
11	SFH05	Num	8	SFH05 Pain interfering with normal work
12	SFH06A	Num	8	SFH06A Feeling calm
13	SFH06B	Num	8	SFH06B Energy level
14	SFH06C	Num	8	SFH06C Feeling depressed
15	SFH07	Num	8	SFH07 Physical/emotional health interfering with social life
16	VERSION	Char	21	Version
17	SFH_BP01	Num	8	Baseline SFH bodily pain
18	SFH_GH01	Num	8	Baseline SFH general health
19	SFH_MCS01	Num	8	Baseline SFH mental component summary
20	SFH_MH01	Num	8	Baseline SFH mental health
21	SFH_PCS01	Num	8	Baseline SFH physical component summary
22	SFH_PF01	Num	8	Baseline SFH physical functioning
23	SFH_RE01	Num	8	Baseline SFH role emotion
24	SFH_RP01	Num	8	Baseline SFH role physical
25	SFH_SF01	Num	8	Baseline SFH social functioning
26	SFH_VT01	Num	8	Baseline SFH vitality
27	SFH0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_sfv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFV01	Char	9	SFV01 study_id
5	SFV10	Char	15	SFV10 Position
6	SFV12	Num	8	SFV12 visit_num
7	SFV13	Num	8	SFV13 interval_num
8	SFV14	Num	8	SFV14 stage_num
9	SFV15	Num	8	SFV15 seq_num
10	SFV16	Char	10	SFV16 vlabel
11	SFV17	Num	8	SFV17 repeats
12	SFV19	Char	15	SFV19 qa_grade
13	SFV20	Char	15	SFV20 qa_status
14	SFV22B	Char	8	SFV22B time
15	SFV23B	Char	8	SFV23B time_best
16	SFV24B	Char	8	SFV24B time_first
17	SFV25	Num	8	SFV25 trial_seq_num
18	SFV26	Num	8	SFV26 ranking
19	SFV27	Num	8	SFV27 temperature
20	SFV28	Num	8	SFV28 barometric
21	SFV29	Num	8	SFV29 humidity
22	SFV30	Num	8	SFV30 fevpd
23	SFV31	Num	8	SFV31 fvcpd
24	SFV32	Num	8	SFV32 fefpd
25	SFV33	Num	8	SFV33 fev1_fvcpd
26	SFV34	Num	8	SFV34 pefpd
27	SFV35	Num	8	SFV35 pctfev
28	SFV36	Num	8	SFV36 pctfvc
29	SFV37	Num	8	SFV37 pctfef2575
30	SFV38	Num	8	SFV38 pctpefr
31	SFV39	Num	8	SFV39 pctfev_fvc
32	SFV40	Num	8	SFV40 fvc
33	SFV41	Num	8	SFV41 flag_fvc_best
34	SFV42B	Char	8	SFV42B trials_time
35	SFV43	Num	8	SFV43 fev05
36	SFV44	Num	8	SFV44 fev05fvc
37	SFV45	Num	8	SFV45 fev1

Num	Variable	Type	Len	Label
38	SFV46	Num	8	SFV46 flag_fev_best
39	SFV47	Num	8	SFV47 fev1fvc
40	SFV48	Num	8	SFV48 flag_fevfvc_best
41	SFV49	Num	8	SFV49 fev3
42	SFV50	Num	8	SFV50 fev3fvc
43	SFV51	Num	8	SFV51 fev6
44	SFV52	Num	8	SFV52 fef212
45	SFV53	Num	8	SFV53 fef2575
46	SFV54	Num	8	SFV54 flag_fef2575_best
47	SFV55	Num	8	SFV55 fef25756
48	SFV56	Num	8	SFV56 fef25
49	SFV57	Num	8	SFV57 fef50
50	SFV58	Num	8	SFV58 fef506
51	SFV59	Num	8	SFV59 fef75
52	SFV60	Num	8	SFV60 fef756
53	SFV61	Num	8	SFV61 fef7585
54	SFV62	Num	8	SFV62 pefr
55	SFV63	Num	8	SFV63 flag_pefr_best
56	SFV64	Num	8	SFV64 met
57	SFV65	Num	8	SFV65 peft
58	SFV66	Num	8	SFV66 vext
59	SFV67	Num	8	SFV67 pctvext
60	SFV68	Num	8	SFV68 expt
61	SFV71	Num	8	SFV71 fivc
62	SFV72	Num	8	SFV72 fiv05
63	SFV73	Num	8	SFV73 fiv05fivc
64	SFV74	Num	8	SFV74 fiv1
65	SFV75	Num	8	SFV75 fiv1fivc
66	SFV76	Num	8	SFV76 fiv3
67	SFV77	Num	8	SFV77 pifr
68	SFV78	Num	8	SFV78 fif212
69	SFV79	Num	8	SFV79 fif2575
70	SFV80	Num	8	SFV80 mit
71	VERSION	Char	21	Version
72	SFV22A_DAYS	Num	8	Date - Days from enrollment
73	SFV23A_DAYS	Num	8	Date best - Days from enrollment
74	SFV24A_DAYS	Num	8	Date first - Days from enrollment
75	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v1_sgr_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SGR0	Char	1	SGR01 Describe current health
5	SGR01	Num	8	SGR01 chest trouble: I cough:
6	SGR02	Num	8	SGR02 chest trouble: I bring up phlegm (sputum):
7	SGR03	Num	8	SGR03 chest trouble: I have had shortness of breath:
8	SGR04	Num	8	SGR04 chest trouble: I have attacks of wheezing:
9	SGR05	Char	1	SGR05 Number of attacks
10	SGR06	Char	1	SGR06 Days with little chest trouble
11	SGR07	Char	1	SGR07 Wheeze in morning
12	SGR08	Char	1	SGR08 Describe chest condition
13	SGR09A	Char	1	SGR09A Feel breathless:Getting washed or dressed
14	SGR09B	Char	1	SGR09B Feel breathless:Walking around the home
15	SGR09C	Char	1	SGR09C Feel breathless:Walking outside on the level
16	SGR09D	Char	1	SGR09D Feel breathless:Walking up a flight of stairs
17	SGR09E	Char	1	SGR09E Feel breathless:Walking up hills
18	SGR10A	Char	1	SGR10A About cough and breathlessness: Painful cough
19	SGR10B	Char	1	SGR10B About cough and breathlessness: Tiring cough
20	SGR10C	Char	1	SGR10C About cough and breathlessness: Breathless when talking
21	SGR10D	Char	1	SGR10D About cough and breathlessness: Breathless when bending over
22	SGR10E	Char	1	SGR10E About cough and breathlessness: Coughing/breathing disturbs sleep
23	SGR10F	Char	1	SGR10F About cough and breathlessness: Easily exhausted
24	SGR11A	Char	1	SGR11A Effect of chest trouble: Embarrassed in public
25	SGR11B	Char	1	SGR11B Effect of chest trouble: Chest trouble annoys others
26	SGR11C	Char	1	SGR11C Effect of chest trouble: Feeling panicked when out of breath
27	SGR11D	Char	1	SGR11D Effect of chest trouble: Chest problem beyond control
28	SGR11E	Char	1	SGR11E Effect of chest trouble: Frail/invalid
29	SGR11F	Char	1	SGR11F Effect of chest trouble: Exercise is unsafe
30	SGR11G	Char	1	SGR11G Effect of chest trouble: Effort
31	SGR12A	Char	1	SGR12A Activities effected by respiratory problems: Long time washing/dressing
32	SGR12B	Char	1	SGR12B Activities effected by respiratory problems: Long time bathing
33	SGR12C	Char	1	SGR12C Activities effected by respiratory problems: Walking slowly/pausing often
34	SGR12D	Char	1	SGR12D Activities effected by respiratory problems: Long time doing housework
35	SGR12E	Char	1	SGR12E Activities effected by respiratory problems: Walking up stairs
36	SGR12F	Char	1	SGR12F Activities effected by respiratory problems: Difficulty walking fast

Num	Variable	Type	Len	Label
37	SGR12G	Char	1	SGR12G Activities effected by respiratory problems: Difficulty performing moderate tasks
38	SGR12H	Char	1	SGR12H Activities effected by respiratory problems: Difficulty performing hard tasks
39	SGR13A	Char	1	SGR13A Activities usually effected by chest: Cannot play sports or games
40	SGR13B	Char	1	SGR13B Activities usually effected by chest: Cannot go out for recreation
41	SGR13C	Char	1	SGR13C Activities usually effected by chest: Cannot go out shopping
42	SGR13D	Char	1	SGR13DActivities usually effected by chest: Cannot do housework
43	SGR13E	Char	1	SGR13E Activities usually effected by chest: Cannot move far from bed/chair
44	SGR14	Num	8	SGR14 Personal effects of chest trouble
45	VERSION	Char	21	Version
46	SGR_SYMPTOMSCORE01	Num	8	Baseline SGR symptom score
47	SGR_ACTIVITYSCORE01	Num	8	Baseline SGR activity score
48	SGR_IMPACTSCORE01	Num	8	Baseline SGR impact score
49	SGR_TOTALSCORE01	Num	8	Baseline SGR total score
50	SGR0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_smw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SMW01	Num	8	SMW01 Medications taken since post-bronchodilator spirometry
5	SMW01A1	Char	45	SMW01A1 Medication name
6	SMW01A2	Char	20	SMW01A2 Dose
7	SMW01A3	Char	5	SMW01A3 Time
8	SMW01A3_AMPM	Char	1	SMW01A3_AMPM AM/PM
9	SMW01B1	Char	45	SMW01B1 Medication name
10	SMW01B2	Char	20	SMW01B2 Dose
11	SMW01B3	Char	5	SMW01B3 Time
12	SMW01B3_AMPM	Char	1	SMW01B3_AMPM AM/PM
13	SMW01C1	Char	45	SMW01C1 Medication name
14	SMW01C2	Char	20	SMW01C2 Dose
15	SMW01C3	Char	5	SMW01C3 Time
16	SMW01C3_AMPM	Char	1	SMW01C3_AMPM AM/PM
17	SMW02	Char	1	SMW02 blood pressure taken more than 4 hours prior to SMW
18	SMW02A	Num	8	SMW02A Systolic
19	SMW02B	Num	8	SMW02B Diastolic
20	SMW03	Char	1	SMW03 Supplemental Oxygen
21	SMW03A	Num	8	SMW03A Supplemental Oxygen Flow rate
22	SMW03B	Char	1	SMW03B Flow Type
23	SMW04A	Num	8	SMW04A Oxygen saturation (SpO2) at rest prior to SMW
24	SMW04B	Num	8	SMW04B Pulse at rest prior to SMW
25	SMW05	Char	1	SMW05 Was continuous oximetry recorded?
26	SMW06	Char	5	SMW06 Start time of 6MW
27	SMW06_AMPM	Char	1	SMW06_AMPM AM/PM
28	SMW07A	Num	8	SMW07A Oxygen saturation (SpO2) immediately following SMW
29	SMW07B	Num	8	SMW07B Pulse immediately following SMW
30	SMW07C	Num	8	SMW07C Breathlessness Score immediately following SMW
31	SMW07D	Num	8	SMW07D Exertion score immediately following SMW
32	SMW08A	Char	1	SMW08A Type of SMW course used (meters, feet, or other)
33	SMW08A1	Char	100	SMW08A1 Specify other type of SMW course used
34	SMW08B	Num	8	SMW08B Number of full laps
35	SMW08C	Num	8	SMW08C Distance walked final partial lap
36	SMW09	Char	1	SMW09 Stopped before 6 minutes
37	SMW09A1	Num	8	SMW09A1 Duration (minutes)

Num	Variable	Type	Len	Label
38	SMW09A2	Num	8	SMW09A2 Duration (seconds)
39	SMW09B1	Num	8	SMW09B1 Primary reason for stopping/not walking faster: Desaturation to LT 80%
40	SMW09B2	Num	8	SMW09B2 Primary reason for stopping/not walking faster: Orthopedic pain
41	SMW09B3	Num	8	SMW09B3 Primary reason for stopping/not walking faster: Muscle pain
42	SMW09B4	Num	8	SMW09B4 Primary reason for stopping/not walking faster: Breathlessness
43	SMW09B5	Num	8	SMW09B5 Primary reason for stopping/not walking faster: Adverse Event
44	SMW09B5A	Num	8	SMW09B5A SMW related AE: Angina
45	SMW09B5B	Num	8	SMW09B5B SMW related AE: Lightheadedness
46	SMW09B5C	Num	8	SMW09B5C SMW related AE: Intolerable dyspnea
47	SMW09B5D	Num	8	SMW09B5D SMW related AE: Leg cramps
48	SMW09B5E	Num	8	SMW09B5E SMW related AE: Staggering
49	SMW09B5F	Num	8	SMW09B5F SMW related AE: Diaphoresis
50	SMW09B5G	Num	8	SMW09B5G SMW related AE: Pale or ashen appearance
51	SMW09B5H	Num	8	SMW09B5H SMW related AE: Mental confusion or headache
52	SMW09B5I	Num	8	SMW09B5I SMW related AE: Other
53	SMW09B5ISP	Char	100	SMW09B5ISP Explain other AE related to SMW
54	VERSION	Char	21	Version
55	SMW0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v1_spw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SPW01	Num	8	SPW01 Weight of entire sample
5	SPW02A	Num	8	SPW02A Salivary Contamination: Minimal
6	SPW02B	Num	8	SPW02B Salivary Contamination: Mild
7	SPW02C	Num	8	SPW02C Salivary Contamination: Moderate
8	SPW02D	Num	8	SPW02D Salivary Contamination: Excessive
9	SPW03A	Num	8	SPW03A Consistency: Watery
10	SPW03B	Num	8	SPW03B Consistency: Mucoid
11	SPW03C	Num	8	SPW03C Consistency: Purulent (puss)
12	SPW04A	Num	8	SPW04A Mucus plugs: Numerous
13	SPW04B	Num	8	SPW04B Mucus plugs: Moderate number
14	SPW04C	Num	8	SPW04C Mucus plugs: Sparse
15	SPW04D	Num	8	SPW04D Mucus plugs: Large
16	SPW04E	Num	8	SPW04E Mucus plugs: Small
17	SPW04F	Num	8	SPW04F Mucus plugs: Dense/flocculent
18	SPW04G	Num	8	SPW04G Mucus plugs: Diffuse opacity
19	SPW05A	Num	8	SPW05A Color of plugs: Clear
20	SPW05B	Num	8	SPW05B Color of plugs: White
21	SPW05C	Num	8	SPW05C Color of plugs: Yellow/Tan
22	SPW05D	Num	8	SPW05D Color of plugs: Brown
23	SPW05E	Num	8	SPW05E Color of plugs: Green
24	SPW07A	Num	8	SPW07A Mucin Method: SPW07A Weighing Trayweight in grams
25	SPW07B	Num	8	SPW07B Mucin Method: SPW07B Whole Sputumweight in grams
26	SPW07C	Num	8	SPW07C Mucin Method: SPW07C Guanidine Vol.weight in grams
27	SPW08A	Num	8	SPW08A Microbiology Method: SPW08A Microcentrifuge tubeweight in grams
28	SPW08B	Num	8	SPW08B Microbiology Method: SPW08B Whole sputumweight in grams
29	SPW09A	Num	8	SPW09A Viscoelastic Method: SPW09A Microcentrifuge tubeweight in grams
30	SPW09B	Num	8	SPW09B Viscoelastic Method: SPW09B Whole sputumweight in grams
31	SPW10A	Num	8	SPW10A EDTA processing: SPW10A Weight of centrifuge tube
32	SPW10B	Num	8	SPW10B EDTA processing: SPW10B Weight of sputum
33	SPW10C	Num	8	SPW10C EDTA processing: SPW10C 1% sputolysin volume
34	SPW10D	Num	8	SPW10D EDTA processing: SPW10D Volume EDTA added
35	SPW10E	Char	5	SPW10E EDTA processing: SPW10E Time of 15 minute tumble
36	SPW10F	Num	8	SPW10F EDTA processing: SPW10F Volume EDTA added after tumble
37	SPW10G	Char	5	SPW10G EDTA processing: SPW10G Time of 5 minute tumble

Num	Variable	Type	Len	Label
38	SPW11A	Num	8	SPW11A Supernatants: SPW11A Number of aliquots in SPW11A
39	SPW11B	Num	8	SPW11B Supernatants: SPW11B Volume stored in SPW11B
40	SPW11C	Num	8	SPW11C Supernatants: SPW11C Number of aliquots in SPW11C
41	SPW11D	Num	8	SPW11D Supernatants: SPW11D Volumbe stored in SPW11D
42	SPW11E	Num	8	SPW11E Supernatants: SPW11E Volume of Hanks added
43	SPW12A1	Num	8	SPW12A1 Cell counts: SPW12A1 Dead cell count in SPW12A1
44	SPW12A2	Num	8	SPW12A2 Cell counts: SPW12A2 Live cell count in SPW12A2
45	SPW12A3	Num	8	SPW12A3 Cell counts: SPW12A3 Total cell count in SPW12A3
46	SPW12B1	Num	8	SPW12B1 Cell counts: SPW12B1 Dead cell count in SPW12B1
47	SPW12B2	Num	8	SPW12B2 Cell counts: SPW12B2 Live cell count in SPW12B2
48	SPW12B3	Num	8	SPW12B3 Cell counts: SPW12B3 Total cell count in SPW12B3
49	SPW12C1	Num	8	SPW12C1 Cell counts: SPW12C1 Dead cell count in SPW12C1
50	SPW12C2	Num	8	SPW12C2 Cell counts: SPW12C2 Live cell count in SPW12C2
51	SPW12C3	Num	8	SPW12C3 Cell counts: SPW12C3 Dead cell count in SPW12C3
52	SPW12D1	Num	8	SPW12D1 Cell counts: SPW12D1 Dead cell count in SPW12D1
53	SPW12D2	Num	8	SPW12D2 Cell counts: SPW12D2 Live cell count in SPW12D2
54	SPW12D3	Num	8	SPW12D3 Cell counts: SPW12D3 Total cell count in SPW12D3
55	SPW12E1	Num	8	SPW12E1 Cell counts: SPW12E1 Dead cell count in SPW12E1
56	SPW12E2	Num	8	SPW12E2 Cell counts: SPW12E2 Live cell count in SPW12E2
57	SPW12E3	Num	8	SPW12E3 Cell counts: SPW12F Totals
58	SPW12F	Num	8	SPW12F Cell counts: SPW12F TCC
59	SPW12G	Num	8	SPW12G Cell counts: SPW12G TCC/Weight of selected sample
60	SPW12H	Num	8	SPW12H Cell counts: SPW12H Viability
61	SPW13	Num	8	SPW13 Hema 3 stained slides
62	SPW14	Num	8	SPW14 Trizol Cell Pellet: Number of cells
63	SPW06A	Char	1	6a) Sputum processing method
64	SPW0D	Char	5	Processing Started
65	SPW0D_AMPM	Char	1	AM/PM
66	SPW0E	Char	5	Processing Ended
67	SPW0E_AMPM	Char	1	AM/PM
68	VERSION	Char	21	Version
69	SPW0A_DAYS	Num	8	Form Date - Days from enrollment
70	SPW0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v1_ssv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SSV01	Char	9	SSV01 study_id
5	SSV10	Char	15	SSV10 position
6	SSV12	Num	8	SSV12 visit_num
7	SSV13	Num	8	SSV13 interval_num
8	SSV14	Num	8	SSV14 stage_num
9	SSV15	Num	8	SSV15 seq_num
10	SSV16	Char	5	SSV16 vlabel
11	SSV17	Num	8	SSV17 repeats
12	SSV19	Char	15	SSV19 qa_grade
13	SSV20	Char	15	SSV20 qa_status
14	SSV22B	Char	8	SSV22B time
15	SSV23B	Char	8	SSV23B time_best
16	SSV24B	Char	8	SSV24B time_first
17	SSV25B	Char	8	SSV25B trials_time
18	SSV26	Num	8	SSV26 trial_seq_num
19	SSV27	Num	8	SSV27 ranking
20	SSV28	Num	8	SSV28 temperature
21	SSV29	Num	8	SSV29 barometric
22	SSV30	Num	8	SSV30 humidity
23	SSV31	Num	8	SSV31 pre_washout_1
24	SSV33	Num	8	SSV33 svc
25	SSV34	Num	8	SSV34 svcpd
26	SSV35	Num	8	SSV35 pctsvc
27	SSV36	Num	8	SSV36 flag_svc_best
28	SSV37	Num	8	SSV37 ic
29	SSV38	Num	8	SSV38 irv
30	SSV39	Num	8	SSV39 erv
31	SSV40	Num	8	SSV40 tv
32	VERSION	Char	21	Version
33	SSV22A_DAYS	Num	8	Date - Days from enrollment
34	SSV23A_DAYS	Num	8	Date best - Days from enrollment
35	SSV24A_DAYS	Num	8	Date first - Days from enrollment
36	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v1_vsa_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	VSA01	Char	1	VSA01 1 MET
5	VSA02	Char	1	VSA02 2 METs
6	VSA03	Char	1	VSA03 3 METs
7	VSA04	Char	1	VSA04 4 METs
8	VSA05	Char	1	VSA05 5 METs
9	VSA06	Char	1	VSA06 6 METs
10	VSA07	Char	1	VSA07 7 METs
11	VSA08	Char	1	VSA08 8 METs
12	VSA09	Char	1	VSA09 9 METs
13	VSA10	Char	1	VSA10 10 METs
14	VSA11	Char	1	VSA11 11 METs
15	VSA12	Char	1	VSA12 12 METs
16	VSA13	Char	1	VSA13 13 METs
17	VERSION	Char	21	Version
18	VSASCORE01	Num	8	Baseline veteran specific activity score
19	VSA0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_ant_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ANT01	Char	1	ANT01 Assessment of ability to stand
5	ANT02	Num	8	ANT02 Standing Height (cm)
6	ANT03	Num	8	ANT03 Weight (kg)
7	ANT04	Num	8	ANT04 BMI
8	ANT05	Num	8	ANT05 Arm Span (cm)
9	ANT06A	Num	8	ANT06A Waist (cm)
10	ANT06B	Num	8	ANT06B Hip (cm)
11	ANT06C	Num	8	ANT06C Neck (cm)
12	VERSION	Char	21	Version
13	ANT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_bio_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	FORM	Char	10	Form
2	VISIT	Char	10	Visit
3	BIO01	Char	1	BIO01 Fasting before appointment?
4	BIO02	Char	5	BIO02 Time most recently eaten
5	BIO02_AMPM	Char	1	BIO02_AMPM Recently eaten AM/PM
6	BIO04	Char	5	BIO04 Collection time
7	BIO04_AMPM	Char	1	BIO04_AMPM Blood collection time AM/PM
8	BIO05	Num	8	BIO05 Number of venipuncture attempts
9	BIO06	Char	1	BIO06 Incidents/Problems drawing blood?
10	BIO07A1	Num	8	BIO07A1 Tube 1 Sample Not Drawn
11	BIO07A2	Num	8	BIO07A2 Tube 2 Sample Not Drawn
12	BIO07A3	Num	8	BIO07A3 Tube 3 Sample Not Drawn
13	BIO07A4	Num	8	BIO07A4 Tube 4 Sample Not Drawn
14	BIO07A5	Num	8	BIO07A5 Tube 5 Sample Not Drawn
15	BIO07A6	Num	8	BIO07A6 Tube 6 Sample Not Drawn
16	BIO07A7	Num	8	BIO07A7 Tube 7 Sample Not Drawn
17	BIO07A8	Num	8	BIO07A8 Tube 8 Sample Not Drawn
18	BIO07A9	Num	8	BIO07A9 Tube 9 Sample Not Drawn
19	BIO07B1	Num	8	BIO07B1 Tube 1 Partial sample drawn
20	BIO07B2	Num	8	BIO07B2 Tube 2 Partial sample drawn
21	BIO07B3	Num	8	BIO07B3 Tube 3 Partial sample drawn
22	BIO07B4	Num	8	BIO07B4 Tube 4 Partial sample drawn
23	BIO07B5	Num	8	BIO07B5 Tube 5 Partial sample drawn
24	BIO07B6	Num	8	BIO07B6 Tube 6 Partial sample drawn
25	BIO07B7	Num	8	BIO07B7 Tube 7 Partial sample drawn
26	BIO07B8	Num	8	BIO07B8 Tube 8 Partial sample drawn
27	BIO07B9	Num	8	BIO07B9 Tube 9 Partial sample drawn
28	BIO07C1	Num	8	BIO07C1 Tube 1 Tourniquet reapplied
29	BIO07C2	Num	8	BIO07C2 Tube 2 Tourniquet reapplied
30	BIO07C3	Num	8	BIO07C3 Tube 3 Tourniquet reapplied
31	BIO07C4	Num	8	BIO07C4 Tube 4 Tourniquet reapplied
32	BIO07C5	Num	8	BIO07C5 Tube 5 Tourniquet reapplied
33	BIO07C6	Num	8	BIO07C6 Tube 6 Tourniquet reapplied
34	BIO07C7	Num	8	BIO07C7 Tube 7 Tourniquet reapplied
35	BIO07C8	Num	8	BIO07C8 Tube 8 Tourniquet reapplied
36	BIO07C9	Num	8	BIO07C9 Tube 9 Tourniquet reapplied
37	BIO07D1	Num	8	BIO07D1 Tube 1 Fist clenching

Num	Variable	Type	Len	Label
38	BIO07D2	Num	8	BIO07D2 Tube 2 Fist clenching
39	BIO07D3	Num	8	BIO07D3 Tube 3 Fist clenching
40	BIO07D4	Num	8	BIO07D4 Tube 4 Fist clenching
41	BIO07D5	Num	8	BIO07D5 Tube 5 Fist clenching
42	BIO07D6	Num	8	BIO07D6 Tube 6 Fist clenching
43	BIO07D7	Num	8	BIO07D7 Tube 7 Fist clenching
44	BIO07D8	Num	8	BIO07D8 Tube 8 Fist clenching
45	BIO07D9	Num	8	BIO07D9 Tube 9 Fist clenching
46	BIO07E1	Num	8	BIO07E1 Tube 1 Needle movement
47	BIO07E2	Num	8	BIO07E2 Tube 2 Needle movement
48	BIO07E3	Num	8	BIO07E3 Tube 3 Needle movement
49	BIO07E4	Num	8	BIO07E4 Tube 4 Needle movement
50	BIO07E5	Num	8	BIO07E5 Tube 5 Needle movement
51	BIO07E6	Num	8	BIO07E6 Tube 6 Needle movement
52	BIO07E7	Num	8	BIO07E7 Tube 7 Needle movement
53	BIO07E8	Num	8	BIO07E8 Tube 8 Needle movement
54	BIO07E9	Num	8	BIO07E9 Tube 9 Needle movement
55	BIO07F1	Num	8	BIO07F1 Tube 1 Participant reclining
56	BIO07F2	Num	8	BIO07F2 Tube 2 Participant reclining
57	BIO07F3	Num	8	BIO07F3 Tube 3 Participant reclining
58	BIO07F4	Num	8	BIO07F4 Tube 4 Participant reclining
59	BIO07F5	Num	8	BIO07F5 Tube 5 Participant reclining
60	BIO07F6	Num	8	BIO07F6 Tube 6 Participant reclining
61	BIO07F7	Num	8	BIO07F7 Tube 7 Participant reclining
62	BIO07F8	Num	8	BIO07F8 Tube 8 Participant reclining
63	BIO07F9	Num	8	BIO07F9 Tube 9 Participant reclining
64	BIO10A	Char	5	BIO10A Tube 1: Time processed
65	BIO10A_AMPM	Char	1	BIO10A_AMPM Tube 1: Processed AM/PM
66	BIO10B	Char	1	BIO10B Tube 1: Problems Processing?
67	BIO10B1	Num	8	BIO10B1 Tube 1: Broken tube
68	BIO10B2	Num	8	BIO10B2 Tube 1: Sample re-centrifuged
69	BIO10B3	Num	8	BIO10B3 Tube 1: Clotted
70	BIO10B4	Num	8	BIO10B4 Tube 1: Hemolyzed
71	BIO10B5	Num	8	BIO10B5 Tube 1: Lipemic
72	BIO10B6	Num	8	BIO10B6 Tube 1: Other
73	BIO10B6A	Char	30	BIO10B6A Tube 1:Specify Problem Processing
74	BIO10C	Num	8	BIO10C Tube 1: Number of aliquots
75	BIO10D	Num	8	BIO10D Tube 1: Volume in last four aliquots
76	BIO10E	Num	8	BIO10E Tube 1: Freezer box number

Num	Variable	Type	Len	Label
77	BIO10F	Char	5	BIO10F Tube 1: Time aliquots placed in freezer
78	BIO10F_AMPM	Char	1	BIO10F_AMPM Tube 1: Freezer AM/PM
79	BIO11A	Char	5	BIO11A Tube 2: Time processed
80	BIO11A_AMPM	Char	1	BIO11A_AMPM Tube 2: Processed AM/PM
81	BIO11B	Char	1	BIO11B Tube 2: Problems processing?
82	BIO11B1	Num	8	BIO11B1 Tube 2: Broken tube
83	BIO11B2	Num	8	BIO11B2 Tube 2: Sample re-centrifuged
84	BIO11B3	Num	8	BIO11B3 Tube 2: Clotted
85	BIO11B4	Num	8	BIO11B4 Tube 2: Hemolyzed
86	BIO11B5	Num	8	BIO11B5 Tube 2: Lipemic
87	BIO11B6	Num	8	BIO11B6 Tube 2: Other
88	BIO11B6A	Char	30	BIO11B6A Tube 2:Specify Problem Processing
89	BIO11C	Num	8	BIO11C Tube 2: Number of aliquots
90	BIO11D	Num	8	BIO11D Tube 2: Volume in last four aliquots
91	BIO11E	Num	8	BIO11E Tube 2: Freezer box number
92	BIO11F	Char	5	BIO11F Tube 2: Time aliquots placed in freezer
93	BIO11F_AMPM	Char	1	BIO11F_AMPM Tube 2: Freezer AM/PM
94	BIO12A	Char	5	BIO12A Tube 3: Time processed
95	BIO12A_AMPM	Char	1	BIO12A_AMPM Tube 3: Processed AM/PM
96	BIO12B	Char	1	BIO12B Tube 3: Problems processing?
97	BIO12B1	Num	8	BIO12B1 Tube 3: Broken tube
98	BIO12B2	Num	8	BIO12B2 Tube 3: Sample re-centrifuged
99	BIO12B3	Num	8	BIO12B3 Tube 3: Clotted
100	BIO12B4	Num	8	BIO12B4 Tube 3: Hemolyzed
101	BIO12B5	Num	8	BIO12B5 Tube 3: Lipemic
102	BIO12B6	Num	8	BIO12B6 Tube 3: Other
103	BIO12B6A	Char	30	BIO12B6A Tube 3:Specify Problem Processing
104	BIO12C	Num	8	BIO12C Tube 3: Number of aliquots
105	BIO12D	Num	8	BIO12D Tube 3: Volume in last four aliquots
106	BIO12E	Num	8	BIO12E Tube 3: Freezer box number
107	BIO12F	Char	5	BIO12F Tube 3: Time aliquots placed in freezer
108	BIO12F_AMPM	Char	1	BIO12F_AMPM Tube 3: Freezer AM/PM
109	BIO13A	Char	5	BIO13A Tube 4: Time processed
110	BIO13A_AMPM	Char	1	BIO13A_AMPM Tube 4:Processed AM/PM
111	BIO13B	Char	1	BIO13B Tube 4: Problems processing?
112	BIO13B1	Num	8	BIO13B1 Tube 4: Broken tube
113	BIO13B2	Num	8	BIO13B2 Tube 4: Sample re-centrifuged
114	BIO13B3	Num	8	BIO13B3 Tube 4: Clotted
115	BIO13B4	Num	8	BIO13B4 Tube 4: Hemolyzed

Num	Variable	Type	Len	Label
116	BIO13B5	Num	8	BIO13B5 Tube 4: Lipemic
117	BIO13B6	Num	8	BIO13B6 Tube 4: Other
118	BIO13B6A	Char	30	BIO13B6A Tube 4:Specify Problem Processing
119	BIO13C	Num	8	BIO13C Tube 4: Number of aliquots
120	BIO13D	Num	8	BIO13D Tube 4: Volume in last four aliquots
121	BIO13E	Num	8	BIO13E Tube 4: Freezer box number
122	BIO13F	Char	5	BIO13F Tube 4: Time aliquots placed in freezer
123	BIO13F_AMPM	Char	1	BIO13F_AMPM Tube 4:Freezer AM/PM
124	BIO14A	Char	5	BIO14A Tube 5: Time processed
125	BIO14A_AMPM	Char	1	BIO14A_AMPM Tube 5:Processed AM/PM
126	BIO14B	Char	1	BIO14B Tube 5: Problems processing?
127	BIO14B1	Num	8	BIO14B1 Tube 5: Broken tube
128	BIO14B2	Num	8	BIO14B2 Tube 5: Sample re-centrifuged
129	BIO14B3	Num	8	BIO14B3 Tube 5: Clotted
130	BIO14B4	Num	8	BIO14B4 Tube 5: Hemolyzed
131	BIO14B5	Num	8	BIO14B5 Tube 5: Lipemic
132	BIO14B6	Num	8	BIO14B6 Tube 5: Other
133	BIO14B6A	Char	30	BIO14B6A Tube 5:Specify Problem Processing
134	BIO14C	Num	8	BIO14C Tube 5: Number of aliquots
135	BIO14D	Num	8	BIO14D Tube 5: Volume in last four aliquots
136	BIO14E	Num	8	BIO14E Tube 5: Freezer box number
137	BIO14F	Char	5	BIO14F Tube 5: Time aliquots placed in freezer
138	BIO14F_AMPM	Char	1	BIO14F_AMPM Tube 5:Freezer AM/PM
139	BIO15A	Char	5	BIO15A Tube 6: Time processed
140	BIO15A_AMPM	Char	1	BIO15A_AMPM Tube 6:Processed AM/PM
141	BIO15B	Char	1	BIO15B Tube 6: Problems processing?
142	BIO15B1	Num	8	BIO15B1 Tube 6: Broken tube
143	BIO15B2	Num	8	BIO15B2 Tube 6: Sample re-centrifuged
144	BIO15B3	Num	8	BIO15B3 Tube 6: Clotted
145	BIO15B4	Num	8	BIO15B4 Tube 6: Hemolyzed
146	BIO15B5	Num	8	BIO15B5 Tube 6: Lipemic
147	BIO15B6	Num	8	BIO15B6 Tube 6: Other
148	BIO15C	Num	8	BIO15C Tube 6: Number of aliquots
149	BIO15D	Num	8	BIO15D Tube 6: Volume in last four aliquots
150	BIO15E	Num	8	BIO15E Tube 6: Freezer box number
151	BIO15F	Char	5	BIO15F Tube 6: Time aliquots placed in freezer
152	BIO15F_AMPM	Char	1	BIO15F_AMPM Tube 6:Freezer AM/PM
153	BIO16A	Char	5	BIO16A Tube 7: Time sent to clinical center lab:
154	BIO16A_AMPM	Char	1	BIO16A_AMPM Tube 7: Sent to clinical lab AM/PM

Num	Variable	Type	Len	Label
155	BIO17A	Char	5	BIO17A Tube 8: Time processed
156	BIO17A_AMPM	Char	1	BIO17A_AMPM Tube 8:Processed AM/PM
157	BIO17B	Char	1	BIO17B Tube 8: Problems processing?
158	BIO17B1	Num	8	BIO17B1 Tube 8: Broken tube
159	BIO17B2	Num	8	BIO17B2 Tube 8: Sample re-centrifuged
160	BIO17B3	Num	8	BIO17B3 Tube 8: Clotted
161	BIO17B4	Num	8	BIO17B4 Tube 8: Hemolyzed
162	BIO17B5	Num	8	BIO17B5 Tube 8: Lipemic
163	BIO17B6	Num	8	BIO17B6 Tube 8: Other
164	BIO17B6A	Char	30	BIO17B6A Tube 8:Specify Problem Processing
165	BIO17C	Num	8	BIO17C Tube 8: Number of aliquots
166	BIO17D	Num	8	BIO17D Tube 8: Volume in last four aliquots
167	BIO17E	Num	8	BIO17E Tube 8: Freezer box number
168	BIO17F	Char	5	BIO17F Tube 8: Time aliquots placed in freezer
169	BIO17F_AMPM	Char	1	BIO17F_AMPM Tube 8:Freezer AM/PM
170	BIO18B	Char	5	BIO18B Tube 9: Time placed in freezer
171	BIO18B_AMPM	Char	1	BIO18B_AMPM Tube 9:Freezer AM/PM
172	BIO18C	Char	1	BIO18C Tube 9: Problems processing?
173	BIO18C1	Num	8	BIO18C1 Tube 9: Broken tube
174	BIO18C2	Num	8	BIO18C2 Tube 9: Sample re-centrifuged
175	BIO18C3	Num	8	BIO18C3 Tube 9: Clotted
176	BIO18C4	Num	8	BIO18C4 Tube 9: Hemolyzed
177	BIO18C5	Num	8	BIO18C5 Tube 9: Lipemic
178	BIO18C6	Num	8	BIO18C6 Tube 9: Other
179	BIO18C6A	Char	30	BIO18C6A Tube 9:Specify Problem Processing
180	BIO18D	Num	8	BIO18D Tube 9: Freezer box number
181	BIO19	Char	1	BIO19 Urine sample collected
182	BIO21	Char	5	BIO21 Time urine sample collected
183	BIO21_AMPM	Char	1	BIO21_AMPM urine sample collected AM/PM
184	BIO22	Char	5	BIO22 Time urine sample processed
185	BIO22_AMPM	Char	1	BIO22 AMPM urine sample processed AM/PM
186	BIO23	Num	8	BIO23 Number of aliquots with preservative:
187	BIO24	Num	8	BIO24 Number of aliquots without preservative:
188	BIO25	Char	1	BIO25 Able to become pregnant?
189	BIO26	Char	1	BIO26 Pregnancy test requested?
190	BIO26A	Char	1	BIO26A Pregnant?
191	BIO24A	Char	5	BIO24A Time urine sample entered freezer
192	BIO24A_AMPM	Char	1	BIO24A_AMPM
193	VERSION	Char	21	Version

Num	Variable	Type	Len	Label
194	BIO0A_DAYS	Num	8	Form Date - Days from enrollment
195	BIO03_DAYS	Num	8	BIO03 Date of blood collection - Days from enrollment
196	BIO18A_DAYS	Num	8	BIO18A Tube 9: Date placed in freezer - Days from enrollment
197	BIO20_DAYS	Num	8	BIO20 Date of urine sample: - Days from enrollment
198	subjectid	Char	9	dbgapid

Data Set Name: v2_bpf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BPF01	Char	1	BPF01 Right arm blood pressure
5	BPF02	Num	8	BPF02 Arm circumference
6	BPF03	Char	1	BPF03 Cuff size
7	BPF04	Num	8	BPF04 Respiration Rate
8	BPF05	Char	5	BPF05 Time first blood pressure taken
9	BPF05_AMPM	Char	1	BPF05_AMPM first bp measurement AM/PM
10	BPF05A	Num	8	BPF05A First Systolic
11	BPF05B	Num	8	BPF05B First Diastolic
12	BPF05C	Num	8	BPF05C First Heart Rate
13	BPF06	Char	5	BPF06 Time second blood pressure taken:
14	BPF06_AMPM	Char	1	BPF06_AMPM second BP measurement AM/PM
15	BPF06A	Num	8	BPF05A Second Systolic
16	BPF06B	Num	8	BPF05B Second Diastolic
17	BPF06C	Num	8	BPF05C Second Heart Rate
18	BPF07	Char	5	BPF07 Time third blood pressure taken:
19	BPF07_AMPM	Char	1	BPF07_AMPM third BP measurement AM/PM
20	BPF07A	Num	8	BPF05A Third Systolic
21	BPF07B	Num	8	BPF05B Third Diastolic
22	BPF07C	Num	8	BPF05C Third Heart Rate
23	BPF08A	Num	8	BPF08A Average Systolic
24	BPF08B	Num	8	BPF08B Average Diastolic
25	BPF08C	Num	8	BPF08C Average Heart Rate
26	VERSION	Char	21	Version
27	BPF0A_DAYS	Num	8	BPF0A Form Date - Days from enrollment

Data Set Name: v2_bsq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	FORM	Char	10	Form
2	VISIT	Char	10	Visit
3	BSQ01	Char	1	BSQ01 Snore
4	BSQ02	Num	8	BSQ02 Describe snore
5	BSQ03	Num	8	BSQ03 Snoring frequency
6	BSQ04	Char	1	BSQ04 Bothersome snoring
7	BSQ05	Num	8	BSQ05 Breathing during sleep
8	BSQ06	Char	1	BSQ06 Fatigue after sleep
9	BSQ07	Char	1	BSQ07 Fatigue during waking time
10	BSQ08	Char	1	BSQ08 Fatigue while driving
11	BSQ09	Char	1	BSQ09 Frequency of fatigue while driving
12	BSQ10	Char	1	BSQ10 High blood pressure
13	VERSION	Char	21	Version
14	BSQ_APNEARISK02	Char	5	Year 1 Berlin Sleep apnea risk
15	BSQ0A_DAYS	Num	8	FORM Date - Days from enrollment
16	subjectid	Char	9	dbgapid

Data Set Name: v2_cat_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	CAT01	Char	1	CAT01 Never cough
5	CAT02	Char	1	CAT02 No phlegm
6	CAT03	Char	1	CAT03 No chest tightness
7	CAT04	Char	1	CAT04 Not out of breath
8	CAT05	Char	1	CAT05 Not limited at home
9	CAT06	Char	1	CAT06 Confidence leaving home
10	CAT07	Char	1	CAT07 Sound sleeping
11	CAT08	Char	1	CAT08 Energy level
12	VERSION	Char	21	Version
13	CAT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_ct_airtlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	
3	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
4	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
5	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
6	AIRWAY_ISSUE	Char	13	Denotes whether or not there was any issue detected when analyzing the airway
7	ANALYSIS_STATUS	Char	12	Denotes analysis status of scan (Passed, problem, or rejected)
8	ANATOMICALNAME	Char	25	The anatomical name of the segment
9	NUMBER_OF_AVG_POINTS	Num	8	The number of measurement points that were used to compute the average measurements in this tree (the number of measurement points in the middle 1/3 of the segment)
10	RB1_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the RB1 path (1=Yes, 0=No)
11	RB4_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the RB4 path (1=Yes, 0=No)
12	RB10_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the RB10 path (1=Yes, 0=No)
13	LB1_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the LB1 path (1=Yes, 0=No)
14	LB10_PATH	Num	8	Indicates if anatomical structure (ANNATOMICALNAME) appears on the LB10 path (1=Yes, 0=No)
15	GENERATION	Num	8	Generation number of the segment.
16	SEGMENTALGENERATION	Num	8	Segmental branches are defined as generation 3. Distal airways are assigned an incremental number from the segmental branch. Branches before segmental are assigned -1.
17	LOBE	Char	3	Lobe number identifying which lung lobe the segment belongs to.
18	SUBLOBE	Char	4	Defines the sub-lobe the airway is located in.
19	AIRWAY_ID	Num	8	Internal database ID for airway or segment record (serial number and guaranteed to be unique)
20	PARENT_ID	Num	8	The ID of the parent segment
21	DIRCOSX	Num	8	x-component of direction cosine.
22	DIRCOSY	Num	8	y-component of direction cosine.
23	DIRCOSZ	Num	8	z-component of direction cosine.
24	ANGLE	Num	8	Angle between a segment and its parent segment (identified by startbpid).
25	CENTERLINELENGTH	Num	8	Measured between parent-branchpoint and child-branchpoint. The center line length represents the true path length, i.e. it follows the curvature of the segment.
26	AVGMINORINNERDIAM	Num	8	The smallest inner (lumen) diameter is measured at each centerline voxel position. The average minor inner diameter represents the average of these measurements along the middle 1/3 of the segment.

Num	Variable	Type	Len	Label
27	AVGMAJORINNERDIAM	Num	8	The greatest inner (lumen) diameter is measured at each centerline-voxel position. The average major inner diameter represents the average of these measurements along the middle 1/3 of the segment.
28	AVGINNERAREA	Num	8	The lumen area is measured at each centerline voxel position. The average inner (lumen) area represents the average of these measurements along the middle 1/3 of the segment.
29	AVGAVGWALLTHICKNESS	Num	8	At every centerline voxel position the wall thickness at every every half-degree, for total of 720 measurements. These average values are averaged along the middle 1/3 of the airway segment to obtain the Average Average Wall Thickness.
30	AVGMINOROUTERDIAM	Num	8	The smallest outer diameter ismeasured at each centerline voxel position. The average minor outer diameter represents the average of these measurements along the middle 1/3 of the segment.
31	AVGMAJOROUTERDIAM	Num	8	The greatest outer diameter is measured at each centerline voxel position. The average major outer diameter represents the average of these measurements along the middle 1/3 of the segment.
32	AVGOUTERAREA	Num	8	The area enclosed by the outer airway border is measured at each centerline voxel position. The average outer area represents the average of these measurements along the middle 1/3 of the segment.
33	WALL_AREA	Num	8	Wall area (avgouterarea - avginnerarea)
34	WALL_AREA_PERC	Num	8	Wall area % ((avgouterarea - avginnerarea)/avgouterarea)
35	AVGINNERPERIMETER	Num	8	At every centerline voxel position along the middle 1/3 of the airway segment the inner perimeter is measured. These measurements are then averaged into Average Inner Perimeter.
36	AVGOUTERPERIMETER	Num	8	At every centerline voxel position along the middle 1/3 of the airway segment the Average Outer Perimeter measurement. These measurements are then averaged into Average Outer Perimeter.
37	AVGWALLAREAFRACTION	Num	8	At every centerline voxel position along the middle 1/3 of the airway segment the wall area fraction is determined. These measurements are then averaged into Average Wall Area Fraction.
38	MINORINNERDIAM_30	Num	8	The smallest lumen diameter at the 30% point within the segment.
39	MAJORINNERDIAM_30	Num	8	The largest lumen diameter at the 30% point within the segment.
40	INNERCROSSSECAREA_30	Num	8	The lumen area at the 30% point within the segment.
41	MINOROUTERDIAM_30	Num	8	The smallest diameter measured at the outer airway wall at the 30% point within the segment.
42	MAJOROUTERDIAM_30	Num	8	The largest diameter measured at the outer airway wall at the 30% point within the segment.
43	OUTERCROSSSECAREA_30	Num	8	The area enclosed by the outer airway wall at the 30% point within the segment.
44	AVGWALLTHICKNESS_30	Num	8	The average wall thickness at the 30% point within the segment.
45	INNERPERIMETER_30	Num	8	The lumen perimeter at the 30% point within the segment.
46	OUTERPERIMETER_30	Num	8	The perimeter of the outer airway wall at the 30% point within the segment.
47	MINORINNERDIAM_40	Num	8	The smallest lumen diameter at the 40% point within the segment.
48	MAJORINNERDIAM_40	Num	8	The largest lumen diameter at the 40% point within the segment.
49	INNERCROSSSECAREA_40	Num	8	The lumen area at the 40% point within the segment.
50	MINOROUTERDIAM_40	Num	8	The smallest diameter measured at the outer airway wall at the 40% point within the segment.

Num	Variable	Type	Len	Label
51	MAJOROUTERDIAM_40	Num	8	The largest diameter measured at the outer airway wall at the 40% point within the segment.
52	OUTERCROSSSECAREA_40	Num	8	The area enclosed by the outer airway wall at the 40% point within the segment.
53	AVGWALLTHICKNESS_40	Num	8	The average wall thickness at the 40% point within the segment.
54	INNERPERIMETER_40	Num	8	The lumen perimeter at the 40% point within the segment.
55	OUTERPERIMETER_40	Num	8	The perimeter of the outer airway wall at the 40% point within the segment.
56	MINORINNERDIAM_50	Num	8	The smallest lumen diameter at the 50% point within the segment.
57	MAJORINNERDIAM_50	Num	8	The largest lumen diameter at the 50% point within the segment.
58	INNERCROSSSECAREA_50	Num	8	The lumen area at the 50% point within the segment.
59	MINOROUTERDIAM_50	Num	8	The smallest diameter measured at the outer airway wall at the 50% point within the segment.
60	MAJOROUTERDIAM_50	Num	8	The largest diameter measured at the outer airway wall at the 50% point within the segment.
61	OUTERCROSSSECAREA_50	Num	8	The area enclosed by the outer airway wall at the 50% point within the segment.
62	AVGWALLTHICKNESS_50	Num	8	The average wall thickness at the 50% point within the segment.
63	INNERPERIMETER_50	Num	8	The lumen perimeter at the 50% point within the segment.
64	OUTERPERIMETER_50	Num	8	The perimeter of the outer airway wall at the 50% point within the segment.
65	MINORINNERDIAM_60	Num	8	The smallest lumen diameter at the 60% point within the segment.
66	MAJORINNERDIAM_60	Num	8	The largest lumen diameter at the 60% point within the segment.
67	INNERCROSSSECAREA_60	Num	8	The lumen area at the 60% point within the segment.
68	MINOROUTERDIAM_60	Num	8	The smallest diameter measured at the outer airway wall at the 60% point within the segment.
69	MAJOROUTERDIAM_60	Num	8	The largest diameter measured at the outer airway wall at the 60% point within the segment.
70	OUTERCROSSSECAREA_60	Num	8	The area enclosed by the outer airway wall at the 60% point within the segment.
71	AVGWALLTHICKNESS_60	Num	8	The average wall thickness at the 60% point within the segment.
72	INNERPERIMETER_60	Num	8	The lumen perimeter at the 60% point within the segment.
73	OUTERPERIMETER_60	Num	8	The perimeter of the outer airway wall at the 60% point within the segment.
74	MINORINNERDIAM_70	Num	8	The smallest lumen diameter at the 70% point within the segment.
75	MAJORINNERDIAM_70	Num	8	The largest lumen diameter at the 70% point within the segment.
76	INNERCROSSSECAREA_70	Num	8	The lumen area at the 70% point within the segment.
77	MINOROUTERDIAM_70	Num	8	The smallest diameter measured at the outer airway wall at the 70% point within the segment.
78	MAJOROUTERDIAM_70	Num	8	The largest diameter measured at the outer airway wall at the 70% point within the segment.
79	OUTERCROSSSECAREA_70	Num	8	The area enclosed by the outer airway wall at the 70% point within the segment.
80	AVGWALLTHICKNESS_70	Num	8	The average wall thickness at the 70% point within the segment.
81	INNERPERIMETER_70	Num	8	The lumen perimeter at the 70% point within the segment.
82	OUTERPERIMETER_70	Num	8	The perimeter of the outer airway wall at the 70% point within the segment.

Num	Variable	Type	Len	Label
83	INEQCIRDIA_50	Num	8	innerequivalentcirclediameter_50
84	STDDEVINNERAREA	Num	8	Standard deviation of the inner area measurements along the middle 1/3 of the segment.
85	STDDEVOUTERAREA	Num	8	Standard deviation of the Outer Area measurements along the middle 1/3 of the airway segment.
86	TAPER_RATIO	Num	8	Tapering ratio (comparing lumen area or diameter at 30% and 70% distances along a segment)
87	ASPECT_RATIO	Num	8	Aspect ratio calculated by float(float(float(i['centerLineLength'])/ (float(float(i['avgMajorInnerDiam'])+ float(i['avgMinorInnerDiam']))/2)))
88	AVGINNERAREA_ECCENTRICITY	Num	8	Calculated by float(float(i['avgMinorInnerDiam']) / float(i['avgMajorInnerDiam']))
89	CENTERPOINT_X	Num	8	The x-component of the respective center-line voxel coordinate. If the value is in integers then the unit is voxels, if the value is in floating point numbers then the unit is millimeters
90	CENTERPOINT_Y	Num	8	The y-component of the respective center-line voxel coordinate. If the value is in integers then the unit is voxels, if the value is in floating point numbers then the unit is millimeters
91	CENTERPOINT_Z	Num	8	The z-component of the respective center-line voxel coordinate. If the value is in integers then the unit is voxels, if the value is in floating point numbers then the unit is millimeters
92	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
93	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v2_ct_corepeelrv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	study visit
3	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime at residual volume (RV)
4	SERIES_NAME	Char	25	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime at residual volume (RV)
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	VXSIZE	Num	8	volume of a voxel in cubic millimeters
10	B_TOT_VX	Num	8	Total number of voxels in both lungs at residual volume (RV)
11	B_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for both lungs at residual volume (RV)
12	B_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for both lungs at residual volume (RV)
13	B_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for both lungs at residual volume (RV)
14	B_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for both lungs at residual volume (RV)
15	B_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for both lungs at residual volume (RV)
16	B_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for both lungs at residual volume (RV)
17	B_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for both lungs at residual volume (RV)
18	B_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for both lungs at residual volume (RV)
19	B_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for both lungs at residual volume (RV)
20	B_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for both lungs at residual volume (RV)
21	B_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for both lungs at residual volume (RV)
22	B_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for both lungs at residual volume (RV)
23	B_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for both lungs at residual volume (RV)
24	B_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for both lungs at residual volume (RV)
25	B_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for both lungs at residual volume (RV)
26	B_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
27	B_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for both lungs at residual volume (RV)
28	B_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for both lungs at residual volume (RV)
29	B_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for both lungs at residual volume (RV)
30	B_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for both lungs at residual volume (RV)
31	B_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for both lungs at residual volume (RV)
32	B_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for both lungs at residual volume (RV)
33	B_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for both lungs at residual volume (RV)
34	B_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for both lungs at residual volume (RV)
35	B_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for both lungs at residual volume (RV)
36	B_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for both lungs at residual volume (RV)
37	B_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for both lungs at residual volume (RV)
38	B_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for both lungs at residual volume (RV)
39	B_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for both lungs at residual volume (RV)
40	B_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for both lungs at residual volume (RV)
41	B_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for both lungs at residual volume (RV)
42	B_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for both lungs at residual volume (RV)
43	B_MEAN	Num	8	Average pixel values within both lungs (HU) at residual volume (RV)
44	B_MED	Num	8	Median pixel values within both lungs (HU) at residual volume (RV)
45	B_VAR	Num	8	Variance of pixel values within both lungs at residual volume (RV)
46	B_SD	Num	8	Standard deviation of pixel values within both lungs at residual volume (RV)
47	B_SKEW	Num	8	Skewness of pixel values in both lungs at residual volume (RV)
48	B_KURT	Num	8	Kurtosis of pixel values in both lungs at residual volume (RV)
49	B_FWHM	Num	8	Full width, half max (HU) for both lungs at residual volume (RV)
50	B_AIR_V	Num	8	Total volume of air in both lungs (milliliters) at residual volume (RV)
51	B_TIS_V	Num	8	Total volume of tissue in both lungs (ml) at residual volume (RV)
52	B_TOT_V	Num	8	Total volume of both lungs (ml) at residual volume (RV)
53	B_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for both lungs at residual volume (RV)
54	B_A_SLP	Num	8	The slope of the line at the ankle for both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
55	B_A_INT	Num	8	The interecept of the line at the ankle for both lungs at residual volume (RV)
56	B_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for both lungs at residual volume (RV)
57	B_K_SLP	Num	8	The slope of the line at the knee for both lungs at residual volume (RV)
58	B_K_INT	Num	8	The intercept of the line at the knee for both lungs at residual volume (RV)
59	B_C_CUTOFF_HU	Num	8	Both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema
60	B_C_V_M	Num	8	Mean length of vectors drawn from the centroid of both lungs to emphysema voxels at residual volume (RV)
61	B_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of both lungs to emphysema voxels. at residual volume (RV)
62	B_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of both lungs to emphysema voxels. at residual volume (RV)
63	B_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at residual volume (RV)
64	B_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of both lungs to emphysema voxels at residual volume (RV)
65	B_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at residual volume (RV)
66	B_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of both lungs to emphysema voxels at residual volume (RV)
67	B_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at residual volume (RV)
68	B_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for both lungs at residual volume (RV)
69	B_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for both lungs at residual volume (RV)
70	B_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for both lungs at residual volume (RV)
71	B_VESSEL_VX	Num	8	Total number of vessel voxels in both lungs at residual volume (RV)
72	B_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for both lungs at residual volume (RV)
73	BC_TOT_VX	Num	8	Total number of voxels in core region of both lungs at residual volume (RV)
74	BC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for core section of both lungs at residual volume (RV)
75	BC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of both lungs at residual volume (RV)
76	BC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of both lungs at residual volume (RV)
77	BC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for core section of both lungs at residual volume (RV)
78	BC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for core section of both lungs at residual volume (RV)
79	BC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for core section of both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
80	BC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for core section of both lungs at residual volume (RV)
81	BC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for core section of both lungs at residual volume (RV)
82	BC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for core section of both lungs at residual volume (RV)
83	BC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for core section of both lungs at residual volume (RV)
84	BC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for core section of both lungs at residual volume (RV)
85	BC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for core section of both lungs at residual volume (RV)
86	BC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for core section of both lungs at residual volume (RV)
87	BC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for core section of both lungs at residual volume (RV)
88	BC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for core section of both lungs at residual volume (RV)
89	BC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for core section of both lungs at residual volume (RV)
90	BC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for core section of both lungs at residual volume (RV)
91	BC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for core section of both lungs at residual volume (RV)
92	BC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for core section of both lungs at residual volume (RV)
93	BC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for core section of both lungs at residual volume (RV)
94	BC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for core section of both lungs at residual volume (RV)
95	BC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for core section of both lungs at residual volume (RV)
96	BC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for core section of both lungs at residual volume (RV)
97	BC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for core section of both lungs at residual volume (RV)
98	BC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for core section of both lungs at residual volume (RV)
99	BC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for core section of both lungs at residual volume (RV)
100	BC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for core section of both lungs at residual volume (RV)
101	BC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for core section of both lungs at residual volume (RV)
102	BC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for core section of both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
103	BC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for core section of both lungs at residual volume (RV)
104	BC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for core section of both lungs at residual volume (RV)
105	BC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for core section of both lungs at residual volume (RV)
106	BC_MEAN	Num	8	Average pixel values within core section of both lungs (HU) at residual volume (RV)
107	BC_MED	Num	8	Median pixel values within core region of both lungs (HU) at residual volume (RV)
108	BC_VAR	Num	8	Variance of pixel values within core region of both lungs at residual volume (RV)
109	BC_SD	Num	8	Standard deviation of pixel values within core region of both lungs at residual volume (RV)
110	BC_SKEW	Num	8	Skewness of pixel values in core region of both lungs at residual volume (RV)
111	BC_KURT	Num	8	Kurtosis of pixel values in core section of both lungs at residual volume (RV)
112	BC_FWHM	Num	8	Full width, half max (HU) for core section of both lungs at residual volume (RV)
113	BC_AIR_V	Num	8	Total volume of air in core section of both lungs (milliliters) at residual volume (RV)
114	BC_TIS_V	Num	8	Total volume of tissue in core region of both lungs (ml) at residual volume (RV)
115	BC_TOT_V	Num	8	Total volume of core region of both lungs (ml) at residual volume (RV)
116	BC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of both lungs at residual volume (RV)
117	BC_A_SLP	Num	8	The slope of the line at the ankle for core section of both lungs at residual volume (RV)
118	BC_A_INT	Num	8	The interecept of the line at the ankle for core section of both lungs at residual volume (RV)
119	BC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of both lungs at residual volume (RV)
120	BC_K_SLP	Num	8	The slope of the line at the knee for core section of both lungs at residual volume (RV)
121	BC_K_INT	Num	8	The intercept of the line at the knee for core section of both lungs at residual volume (RV)
122	BC_C_CUTOFF_HU	Num	8	Core section of both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema
123	BC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
124	BC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of the core section of both lungs to emphysema voxels. at residual volume (RV)
125	BC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels. at residual volume (RV)
126	BC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
127	BC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
128	BC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
129	BC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)
130	BC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
131	BC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for core section of both lungs at residual volume (RV)
132	BC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for core section of both lungs at residual volume (RV)
133	BC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for core section of both lungs at residual volume (RV)
134	BC_VESSEL_VX	Num	8	Total number of vessel voxels in core region of both lungs at residual volume (RV)
135	BC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for core region of both lungs at residual volume (RV)
136	BP_TOT_VX	Num	8	Total number of voxels in peel region of both lungs at residual volume (RV)
137	BP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for peel section of both lungs at residual volume (RV)
138	BP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of both lungs at residual volume (RV)
139	BP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of both lungs at residual volume (RV)
140	BP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for peel section of both lungs at residual volume (RV)
141	BP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for peel section of both lungs at residual volume (RV)
142	BP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for peel section of both lungs at residual volume (RV)
143	BP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for peel section of both lungs at residual volume (RV)
144	BP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for peel section of both lungs at residual volume (RV)
145	BP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for peel section of both lungs at residual volume (RV)
146	BP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for peel section of both lungs at residual volume (RV)
147	BP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for peel section of both lungs at residual volume (RV)
148	BP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for peel section of both lungs at residual volume (RV)
149	BP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for peel section of both lungs at residual volume (RV)
150	BP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for peel section of both lungs at residual volume (RV)
151	BP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for peel section of both lungs at residual volume (RV)
152	BP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for peel section of both lungs at residual volume (RV)
153	BP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for peel section of both lungs at residual volume (RV)
154	BP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for peel section of both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
155	BP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for peel section of both lungs at residual volume (RV)
156	BP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for peel section of both lungs at residual volume (RV)
157	BP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for peel section of both lungs at residual volume (RV)
158	BP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for peel section of both lungs at residual volume (RV)
159	BP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for peel section of both lungs at residual volume (RV)
160	BP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for peel section of both lungs at residual volume (RV)
161	BP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for peel section of both lungs at residual volume (RV)
162	BP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for peel section of both lungs at residual volume (RV)
163	BP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for peel section of both lungs at residual volume (RV)
164	BP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for peel section of both lungs at residual volume (RV)
165	BP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for peel section of both lungs at residual volume (RV)
166	BP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for peel section of both lungs at residual volume (RV)
167	BP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for peel section of both lungs at residual volume (RV)
168	BP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for peel section of both lungs at residual volume (RV)
169	BP_MEAN	Num	8	Average pixel values within peel section of both lungs (HU) at residual volume (RV)
170	BP_MED	Num	8	Median pixel values within peel region of both lungs (HU) at residual volume (RV)
171	BP_VAR	Num	8	Variance of pixel values within peel region of both lungs at residual volume (RV)
172	BP_SD	Num	8	Standard deviation of pixel values within peel region of both lungs at residual volume (RV)
173	BP_SKEW	Num	8	Skewness of pixel values in peel region of both lungs at residual volume (RV)
174	BP_KURT	Num	8	Kurtosis of pixel values in peel section of both lungs at residual volume (RV)
175	BP_FWHM	Num	8	Full width, half max (HU) for peel section of both lungs at residual volume (RV)
176	BP_AIR_V	Num	8	Total volume of air in peel section of both lungs (milliliters) at residual volume (RV)
177	BP_TIS_V	Num	8	Total volume of tissue in peel region of both lungs (ml) at residual volume (RV)
178	BP_TOT_V	Num	8	Total volume of peel region of both lungs (ml) at residual volume (RV)
179	BP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of both lungs at residual volume (RV)
180	BP_A_SLP	Num	8	The slope of the line at the ankle for peel section of both lungs at residual volume (RV)
181	BP_A_INT	Num	8	The interecept of the line at the ankle for peel section of both lungs at residual volume (RV)

Num	Variable	Type	Len	Label
182	BP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of both lungs at residual volume (RV)
183	BP_K_SLP	Num	8	The slope of the line at the knee for peel section of both lungs at residual volume (RV)
184	BP_K_INT	Num	8	The intercept of the line at the knee for peel section of both lungs at residual volume (RV)
185	BP_C_CUTOFF_HU	Num	8	Peel section of both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema at residual volume (RV)
186	BP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
187	BP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of the peel section of both lungs to emphysema voxels. at residual volume (RV)
188	BP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels. at residual volume (RV)
189	BP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
190	BP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
191	BP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
192	BP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
193	BP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at residual volume (RV)
194	BP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for peel section of both lungs at residual volume (RV)
195	BP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for peel section of both lungs at residual volume (RV)
196	BP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for peel section of both lungs at residual volume (RV)
197	BP_VESSEL_VX	Num	8	Total number of vessel voxels in peel region of both lungs at residual volume (RV)
198	BP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for peel region of both lungs at residual volume (RV)
199	L_TOT_VX	Num	8	Total number of voxels in left lung at residual volume (RV)
200	L_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for left lung at residual volume (RV)
201	L_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for left lung at residual volume (RV)
202	L_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for left lung at residual volume (RV)
203	L_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for left lung at residual volume (RV)
204	L_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for left lung at residual volume (RV)
205	L_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for left lung at residual volume (RV)

Num	Variable	Type	Len	Label
206	L_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for left lung at residual volume (RV)
207	L_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for left lung at residual volume (RV)
208	L_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for left lung at residual volume (RV)
209	L_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for left lung at residual volume (RV)
210	L_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for left lung at residual volume (RV)
211	L_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for left lung at residual volume (RV)
212	L_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for left lung at residual volume (RV)
213	L_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for left lung at residual volume (RV)
214	L_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for left lung at residual volume (RV)
215	L_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for left lung at residual volume (RV)
216	L_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for left lung at residual volume (RV)
217	L_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for left lung at residual volume (RV)
218	L_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for left lung at residual volume (RV)
219	L_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for left lung at residual volume (RV)
220	L_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for left lung at residual volume (RV)
221	L_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for left lung at residual volume (RV)
222	L_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for left lung at residual volume (RV)
223	L_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for left lung at residual volume (RV)
224	L_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for left lung at residual volume (RV)
225	L_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for left lung at residual volume (RV)
226	L_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for left lung at residual volume (RV)
227	L_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for left lung at residual volume (RV)
228	L_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for left lung at residual volume (RV)

Num	Variable	Type	Len	Label
229	L_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for left lung at residual volume (RV)
230	L_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for left lung at residual volume (RV)
231	L_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for left lung at residual volume (RV)
232	L_MEAN	Num	8	Average pixel values within left lung (HU) at residual volume (RV)
233	L_MED	Num	8	Median pixel values within left lung (HU) at residual volume (RV)
234	L_VAR	Num	8	Variance of pixel values within left lung at residual volume (RV)
235	L_SD	Num	8	Standard deviation of pixel values within left lung at residual volume (RV)
236	L_SKEW	Num	8	Skewness of pixel values in left lung at residual volume (RV)
237	L_KURT	Num	8	Kurtosis of pixel values in left lung at residual volume (RV)
238	L_FWHM	Num	8	Full width, half max (HU) for left lung at residual volume (RV)
239	L_AIR_V	Num	8	Total volume of air in left lung (milliliters) at residual volume (RV)
240	L_TIS_V	Num	8	Total volume of tissue in left lung (ml) at residual volume (RV)
241	L_TOT_V	Num	8	Total volume of left lung (ml) at residual volume (RV)
242	L_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for left lung at residual volume (RV)
243	L_A_SLP	Num	8	The slope of the line at the ankle for left lung at residual volume (RV)
244	L_A_INT	Num	8	The interecept of the line at the ankle for left lung at residual volume (RV)
245	L_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for left lung at residual volume (RV)
246	L_K_SLP	Num	8	The slope of the line at the knee for left lung at residual volume (RV)
247	L_K_INT	Num	8	The intercept of the line at the knee for left lung at residual volume (RV)
248	L_C_CUTOFF_HU	Num	8	Left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
249	L_C_V_M	Num	8	Mean length of vectors drawn from the centroid of left lung to emphysema voxels at residual volume (RV)
250	L_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of left lung to emphysema voxels. at residual volume (RV)
251	L_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of left lung to emphysema voxels. at residual volume (RV)
252	L_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at residual volume (RV)
253	L_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of left lung to emphysema voxels at residual volume (RV)
254	L_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at residual volume (RV)
255	L_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of left lung to emphysema voxels at residual volume (RV)
256	L_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at residual volume (RV)
257	L_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for left lung at residual volume (RV)

Num	Variable	Type	Len	Label
258	L_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for left lung at residual volume (RV)
259	L_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for left lung at residual volume (RV)
260	L_VESSEL_VX	Num	8	Total number of vessel voxels in left lung at residual volume (RV)
261	L_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for left lung at residual volume (RV)
262	LC_TOT_VX	Num	8	Total number of voxels in core section of left lung at residual volume (RV)
263	LC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for core section of left lung at residual volume (RV)
264	LC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of left lung at residual volume (RV)
265	LC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of left lung at residual volume (RV)
266	LC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for core section of left lung at residual volume (RV)
267	LC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for core section of left lung at residual volume (RV)
268	LC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for core section of left lung at residual volume (RV)
269	LC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for core section of left lung at residual volume (RV)
270	LC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for core section of left lung at residual volume (RV)
271	LC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for core section of left lung at residual volume (RV)
272	LC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for core section of left lung at residual volume (RV)
273	LC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for core section of left lung at residual volume (RV)
274	LC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for core section of left lung at residual volume (RV)
275	LC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for core section of left lung at residual volume (RV)
276	LC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for core section of left lung at residual volume (RV)
277	LC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for core section of left lung at residual volume (RV)
278	LC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for core section of left lung at residual volume (RV)
279	LC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for core section of left lung at residual volume (RV)
280	LC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for core section of left lung at residual volume (RV)
281	LC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
282	LC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for core section of left lung at residual volume (RV)
283	LC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for core section of left lung at residual volume (RV)
284	LC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for core section of left lung at residual volume (RV)
285	LC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for core section of left lung at residual volume (RV)
286	LC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for core section of left lung at residual volume (RV)
287	LC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for core section of left lung at residual volume (RV)
288	LC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for core section of left lung at residual volume (RV)
289	LC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for core section of left lung at residual volume (RV)
290	LC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for core section of left lung at residual volume (RV)
291	LC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for core section of left lung at residual volume (RV)
292	LC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for core section of left lung at residual volume (RV)
293	LC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for core section of left lung at residual volume (RV)
294	LC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for core section of left lung at residual volume (RV)
295	LC_MEAN	Num	8	Average pixel values within core section of left lung (HU) at residual volume (RV)
296	LC_MED	Num	8	Median pixel values within of core section of left lung (HU) at residual volume (RV)
297	LC_VAR	Num	8	Variance of pixel values within core section of left lung at residual volume (RV)
298	LC_SD	Num	8	Standard deviation of pixel values within core section of left lung at residual volume (RV)
299	LC_SKEW	Num	8	Skewness of pixel values in core section of left lung at residual volume (RV)
300	LC_KURT	Num	8	Kurtosis of pixel values in core section of left lung at residual volume (RV)
301	LC_FWHM	Num	8	Full width, half max (HU) for core section of left lung at residual volume (RV)
302	LC_AIR_V	Num	8	Total volume of air in core section of left lung (milliliters) at residual volume (RV)
303	LC_TIS_V	Num	8	Total volume of tissue in core section of left lung (ml) at residual volume (RV)
304	LC_TOT_V	Num	8	Total volume of core section of left lung (ml) at residual volume (RV)
305	LC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of left lung at residual volume (RV)
306	LC_A_SLP	Num	8	The slope of the line at the ankle for core section of left lung at residual volume (RV)
307	LC_A_INT	Num	8	The interecept of the line at the ankle for core section of left lung at residual volume (RV)
308	LC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of left lung at residual volume (RV)
309	LC_K_SLP	Num	8	The slope of the line at the knee for core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
310	LC_K_INT	Num	8	The intercept of the line at the knee for core section of left lung at residual volume (RV)
311	LC_C_CUTOFF_HU	Num	8	Core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
312	LC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
313	LC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of core section of left lung to emphysema voxels. at residual volume (RV)
314	LC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels. at residual volume (RV)
315	LC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
316	LC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
317	LC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
318	LC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
319	LC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at residual volume (RV)
320	LC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for core section of left lung at residual volume (RV)
321	LC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for core section of left lung at residual volume (RV)
322	LC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for core section of left lung at residual volume (RV)
323	LC_VESSEL_VX	Num	8	Total number of vessel voxels in core section of left lung at residual volume (RV)
324	LC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) core section of left lung at residual volume (RV)
325	LL_TOT_VX	Num	8	Total number of voxels in lower part of left lung at residual volume (RV)
326	LL_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of left lung at residual volume (RV)
327	LL_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of left lung at residual volume (RV)
328	LL_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of left lung at residual volume (RV)
329	LL_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of left lung at residual volume (RV)
330	LL_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of left lung at residual volume (RV)
331	LL_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of left lung at residual volume (RV)
332	LL_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of left lung at residual volume (RV)
333	LL_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
334	LL_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of left lung at residual volume (RV)
335	LL_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of left lung at residual volume (RV)
336	LL_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of left lung at residual volume (RV)
337	LL_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of left lung at residual volume (RV)
338	LL_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of left lung at residual volume (RV)
339	LL_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of left lung at residual volume (RV)
340	LL_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of left lung at residual volume (RV)
341	LL_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of left lung at residual volume (RV)
342	LL_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of left lung at residual volume (RV)
343	LL_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of left lung at residual volume (RV)
344	LL_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of left lung at residual volume (RV)
345	LL_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of left lung at residual volume (RV)
346	LL_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of left lung at residual volume (RV)
347	LL_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of left lung at residual volume (RV)
348	LL_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of left lung at residual volume (RV)
349	LL_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of left lung at residual volume (RV)
350	LL_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of left lung at residual volume (RV)
351	LL_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of left lung at residual volume (RV)
352	LL_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of left lung at residual volume (RV)
353	LL_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of left lung at residual volume (RV)
354	LL_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of left lung at residual volume (RV)
355	LL_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of left lung at residual volume (RV)
356	LL_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
357	LL_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of left lung at residual volume (RV)
358	LL_MEAN	Num	8	Average pixel values within lower part of left lung (HU) at residual volume (RV)
359	LL_MED	Num	8	Median pixel values within lower part of left lung (HU) at residual volume (RV)
360	LL_VAR	Num	8	Variance of pixel values within lower part of left lung at residual volume (RV)
361	LL_SD	Num	8	Standard deviation of pixel values within lower part of left lung at residual volume (RV)
362	LL_SKEW	Num	8	Skewness of pixel values in lower part of left lung at residual volume (RV)
363	LL_KURT	Num	8	Kurtosis of pixel values in lower part of left lung at residual volume (RV)
364	LL_FWHM	Num	8	Full width, half max (HU) for lower part of left lung at residual volume (RV)
365	LL_AIR_V	Num	8	Total volume of air in lower part of left lung (milliliters) at residual volume (RV)
366	LL_TIS_V	Num	8	Total volume of tissue in lower part of left lung (ml) at residual volume (RV)
367	LL_TOT_V	Num	8	Total volume of lower part of left lung (ml) at residual volume (RV)
368	LL_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of left lung at residual volume (RV)
369	LL_A_SLP	Num	8	The slope of the line at the ankle for lower part of left lung at residual volume (RV)
370	LL_A_INT	Num	8	The interecept of the line at the ankle for lower part of left lung at residual volume (RV)
371	LL_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of left lung at residual volume (RV)
372	LL_K_SLP	Num	8	The slope of the line at the knee for lower part of left lung at residual volume (RV)
373	LL_K_INT	Num	8	The intercept of the line at the knee for lower part of left lung at residual volume (RV)
374	LL_C_CUTOFF_HU	Num	8	Lower part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
375	LL_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
376	LL_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of left lung to emphysema voxels. at residual volume (RV)
377	LL_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels. at residual volume (RV)
378	LL_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
379	LL_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
380	LL_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
381	LL_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
382	LL_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at residual volume (RV)
383	LL_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of left lung at residual volume (RV)
384	LL_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of left lung at residual volume (RV)
385	LL_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
386	LL_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of left lung at residual volume (RV)
387	LL_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of left lung at residual volume (RV)
388	LLC_TOT_VX	Num	8	Total number of voxels in lower part of core section of left lung at residual volume (RV)
389	LLC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of core section of left lung at residual volume (RV)
390	LLC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of core section of left lung at residual volume (RV)
391	LLC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of core section of left lung at residual volume (RV)
392	LLC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of core section of left lung at residual volume (RV)
393	LLC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of core section of left lung at residual volume (RV)
394	LLC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of core section of left lung at residual volume (RV)
395	LLC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of core section of left lung at residual volume (RV)
396	LLC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of core section of left lung at residual volume (RV)
397	LLC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of core section of left lung at residual volume (RV)
398	LLC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of core section of left lung at residual volume (RV)
399	LLC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of core section of left lung at residual volume (RV)
400	LLC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of core section of left lung at residual volume (RV)
401	LLC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of core section of left lung at residual volume (RV)
402	LLC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of core section of left lung at residual volume (RV)
403	LLC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of core section of left lung at residual volume (RV)
404	LLC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of core section of left lung at residual volume (RV)
405	LLC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of core section of left lung at residual volume (RV)
406	LLC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of core section of left lung at residual volume (RV)
407	LLC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of core section of left lung at residual volume (RV)
408	LLC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of core section of left lung at residual volume (RV)
409	LLC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
410	LLC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of core section of left lung at residual volume (RV)
411	LLC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of core section of left lung at residual volume (RV)
412	LLC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of core section of left lung at residual volume (RV)
413	LLC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of core section of left lung at residual volume (RV)
414	LLC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of core section of left lung at residual volume (RV)
415	LLC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of core section of left lung at residual volume (RV)
416	LLC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of core section of left lung at residual volume (RV)
417	LLC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of core section of left lung at residual volume (RV)
418	LLC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of core section of left lung at residual volume (RV)
419	LLC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of core section of left lung at residual volume (RV)
420	LLC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of core section of left lung at residual volume (RV)
421	LLC_MEAN	Num	8	Average pixel values within lower part of core section of left lung (HU) at residual volume (RV)
422	LLC_MED	Num	8	Median pixel values within of lower part of core section of left lung (HU) at residual volume (RV)
423	LLC_VAR	Num	8	Variance of pixel values within lower part of core section of left lung at residual volume (RV)
424	LLC_SD	Num	8	Standard deviation of pixel values within lower part of core section of left lung at residual volume (RV)
425	LLC_SKEW	Num	8	Skewness of pixel values in lower part of core section of left lung at residual volume (RV)
426	LLC_KURT	Num	8	Kurtosis of pixel values in lower part of core section of left lung at residual volume (RV)
427	LLC_FWHM	Num	8	Full width, half max (HU) for lower part of core section of left lung at residual volume (RV)
428	LLC_AIR_V	Num	8	Total volume of air in lower part of core section of left lung (milliliters) at residual volume (RV)
429	LLC_TIS_V	Num	8	Total volume of tissue in lower part of core section of left lung (ml) at residual volume (RV)
430	LLC_TOT_V	Num	8	Total volume of lower part of core section of left lung (ml) at residual volume (RV)
431	LLC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of core section of left lung at residual volume (RV)
432	LLC_A_SLP	Num	8	The slope of the line at the ankle for lower part of core section of left lung at residual volume (RV)
433	LLC_A_INT	Num	8	The interecept of the line at the ankle for lower part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
434	LLC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of core section of left lung at residual volume (RV)
435	LLC_K_SLP	Num	8	The slope of the line at the knee for lower part of core section of left lung at residual volume (RV)
436	LLC_K_INT	Num	8	The intercept of the line at the knee for lower part of core section of left lung at residual volume (RV)
437	LLC_C_CUTOFF_HU	Num	8	Lower part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
438	LLC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
439	LLC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of core section of left lung to emphysema voxels. at residual volume (RV)
440	LLC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels. at residual volume (RV)
441	LLC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
442	LLC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
443	LLC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
444	LLC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
445	LLC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at residual volume (RV)
446	LLC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of core section of left lung at residual volume (RV)
447	LLC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of core section of left lung at residual volume (RV)
448	LLC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of core section of left lung at residual volume (RV)
449	LLC_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of core section of left lung at residual volume (RV)
450	LLC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) lower part of core section of left lung at residual volume (RV)
451	LLP_TOT_VX	Num	8	Total number of voxels in lower part of peel section of left lung at residual volume (RV)
452	LLP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of peel section of left lung at residual volume (RV)
453	LLP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of left lung at residual volume (RV)
454	LLP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of left lung at residual volume (RV)
455	LLP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of peel section of left lung at residual volume (RV)
456	LLP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
457	LLP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of peel section of left lung at residual volume (RV)
458	LLP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of peel section of left lung at residual volume (RV)
459	LLP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of peel section of left lung at residual volume (RV)
460	LLP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of peel section of left lung at residual volume (RV)
461	LLP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of peel section of left lung at residual volume (RV)
462	LLP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of peel section of left lung at residual volume (RV)
463	LLP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of peel section of left lung at residual volume (RV)
464	LLP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of peel section of left lung at residual volume (RV)
465	LLP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of peel section of left lung at residual volume (RV)
466	LLP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of peel section of left lung at residual volume (RV)
467	LLP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of peel section of left lung at residual volume (RV)
468	LLP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of peel section of left lung at residual volume (RV)
469	LLP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of peel section of left lung at residual volume (RV)
470	LLP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of peel section of left lung at residual volume (RV)
471	LLP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of peel section of left lung at residual volume (RV)
472	LLP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of peel section of left lung at residual volume (RV)
473	LLP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of peel section of left lung at residual volume (RV)
474	LLP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of peel section of left lung at residual volume (RV)
475	LLP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of peel section of left lung at residual volume (RV)
476	LLP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of peel section of left lung at residual volume (RV)
477	LLP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of peel section of left lung at residual volume (RV)
478	LLP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of peel section of left lung at residual volume (RV)
479	LLP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
480	LLP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of peel section of left lung at residual volume (RV)
481	LLP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of peel section of left lung at residual volume (RV)
482	LLP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of peel section of left lung at residual volume (RV)
483	LLP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of peel section of left lung at residual volume (RV)
484	LLP_MEAN	Num	8	Average pixel values within lower part of peel section of left lung (HU) at residual volume (RV)
485	LLP_MED	Num	8	Median pixel values within lower part of peel section of left lung (HU) at residual volume (RV)
486	LLP_VAR	Num	8	Variance of pixel values within lower part of peel section of left lung at residual volume (RV)
487	LLP_SD	Num	8	Standard deviation of pixel values within lower part of peel section of left lung at residual volume (RV)
488	LLP_SKEW	Num	8	Skewness of pixel values in lower part of peel section of left lung at residual volume (RV)
489	LLP_KURT	Num	8	Kurtosis of pixel values in lower part of peel section of left lung at residual volume (RV)
490	LLP_FWHM	Num	8	Full width, half max (HU) for lower part of peel section of left lung at residual volume (RV)
491	LLP_AIR_V	Num	8	Total volume of air in lower part of peel section of left lung (milliliters) at residual volume (RV)
492	LLP_TIS_V	Num	8	Total volume of tissue in lower part of peel section of left lung (ml) at residual volume (RV)
493	LLP_TOT_V	Num	8	Total volume of lower part of peel section of left lung (ml) at residual volume (RV)
494	LLP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of peel section of left lung at residual volume (RV)
495	LLP_A_SLP	Num	8	The slope of the line at the ankle for lower part of peel section of left lung at residual volume (RV)
496	LLP_A_INT	Num	8	The interecept of the line at the ankle for lower part of peel section of left lung at residual volume (RV)
497	LLP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of peel section of left lung at residual volume (RV)
498	LLP_K_SLP	Num	8	The slope of the line at the knee for lower part of peel section of left lung at residual volume (RV)
499	LLP_K_INT	Num	8	The intercept of the line at the knee for lower part of peel section of left lung at residual volume (RV)
500	LLP_C_CUTOFF_HU	Num	8	Lower part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
501	LLP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
502	LLP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of peel section of left lung to emphysema voxels. at residual volume (RV)
503	LLP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels. at residual volume (RV)

Num	Variable	Type	Len	Label
504	LLP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
505	LLP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
506	LLP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
507	LLP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
508	LLP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at residual volume (RV)
509	LLP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of peel section of left lung at residual volume (RV)
510	LLP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of peel section of left lung at residual volume (RV)
511	LLP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of peel section of left lung at residual volume (RV)
512	LLP_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of peel section of left lung at residual volume (RV)
513	LLP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of peel section of left lung at residual volume (RV)
514	LM_TOT_VX	Num	8	Total number of voxels in middle part of left lung at residual volume (RV)
515	LM_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of left lung at residual volume (RV)
516	LM_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of left lung at residual volume (RV)
517	LM_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of left lung at residual volume (RV)
518	LM_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of left lung at residual volume (RV)
519	LM_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of left lung at residual volume (RV)
520	LM_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of left lung at residual volume (RV)
521	LM_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of left lung at residual volume (RV)
522	LM_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of left lung at residual volume (RV)
523	LM_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of left lung at residual volume (RV)
524	LM_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of left lung at residual volume (RV)
525	LM_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of left lung at residual volume (RV)
526	LM_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of left lung at residual volume (RV)
527	LM_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
528	LM_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of left lung at residual volume (RV)
529	LM_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of left lung at residual volume (RV)
530	LM_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of left lung at residual volume (RV)
531	LM_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of left lung at residual volume (RV)
532	LM_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of left lung at residual volume (RV)
533	LM_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of left lung at residual volume (RV)
534	LM_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of left lung at residual volume (RV)
535	LM_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of left lung at residual volume (RV)
536	LM_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of left lung at residual volume (RV)
537	LM_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of left lung at residual volume (RV)
538	LM_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of left lung at residual volume (RV)
539	LM_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of left lung at residual volume (RV)
540	LM_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of left lung at residual volume (RV)
541	LM_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of left lung at residual volume (RV)
542	LM_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of left lung at residual volume (RV)
543	LM_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of left lung at residual volume (RV)
544	LM_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of left lung at residual volume (RV)
545	LM_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of left lung at residual volume (RV)
546	LM_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of left lung at residual volume (RV)
547	LM_MEAN	Num	8	Average pixel values within middle part of left lung (HU) at residual volume (RV)
548	LM_MED	Num	8	Median pixel values within middle part of left lung (HU) at residual volume (RV)
549	LM_VAR	Num	8	Variance of pixel values within middle part of left lung at residual volume (RV)
550	LM_SD	Num	8	Standard deviation of pixel values within middle part of left lung at residual volume (RV)
551	LM_SKEW	Num	8	Skewness of pixel values in middle part of left lung at residual volume (RV)
552	LM_KURT	Num	8	Kurtosis of pixel values in middle part of left lung at residual volume (RV)
553	LM_FWHM	Num	8	Full width, half max (HU) for middle part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
554	LM_AIR_V	Num	8	Total volume of air in middle part of left lung (milliliters) at residual volume (RV)
555	LM_TIS_V	Num	8	Total volume of tissue in middle part of left lung (ml) at residual volume (RV)
556	LM_TOT_V	Num	8	Total volume of middle part of left lung (ml) at residual volume (RV)
557	LM_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of left lung at residual volume (RV)
558	LM_A_SLP	Num	8	The slope of the line at the ankle for middle part of left lung at residual volume (RV)
559	LM_A_INT	Num	8	The interecept of the line at the ankle for middle part of left lung at residual volume (RV)
560	LM_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of left lung at residual volume (RV)
561	LM_K_SLP	Num	8	The slope of the line at the knee for middle part of left lung at residual volume (RV)
562	LM_K_INT	Num	8	The intercept of the line at the knee for middle part of left lung at residual volume (RV)
563	LM_C_CUTOFF_HU	Num	8	Middle part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
564	LM_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
565	LM_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of left lung to emphysema voxels. at residual volume (RV)
566	LM_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of left lung to emphysema voxels. at residual volume (RV)
567	LM_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
568	LM_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
569	LM_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
570	LM_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
571	LM_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of left lung to emphysema voxels at residual volume (RV)
572	LM_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of left lung at residual volume (RV)
573	LM_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of left lung at residual volume (RV)
574	LM_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of left lung at residual volume (RV)
575	LM_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of left lung at residual volume (RV)
576	LM_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of left lung at residual volume (RV)
577	LMC_TOT_VX	Num	8	Total number of voxels in middle part of core section of left lung at residual volume (RV)
578	LMC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of core section of left lung at residual volume (RV)
579	LMC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
580	LMC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of core section of left lung at residual volume (RV)
581	LMC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of core section of left lung at residual volume (RV)
582	LMC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of core section of left lung at residual volume (RV)
583	LMC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of core section of left lung at residual volume (RV)
584	LMC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of core section of left lung at residual volume (RV)
585	LMC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of core section of left lung at residual volume (RV)
586	LMC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of core section of left lung at residual volume (RV)
587	LMC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of core section of left lung at residual volume (RV)
588	LMC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of core section of left lung at residual volume (RV)
589	LMC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of core section of left lung at residual volume (RV)
590	LMC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of core section of left lung at residual volume (RV)
591	LMC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of core section of left lung at residual volume (RV)
592	LMC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of core section of left lung at residual volume (RV)
593	LMC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of core section of left lung at residual volume (RV)
594	LMC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of core section of left lung at residual volume (RV)
595	LMC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of core section of left lung at residual volume (RV)
596	LMC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of core section of left lung at residual volume (RV)
597	LMC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of core section of left lung at residual volume (RV)
598	LMC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of core section of left lung at residual volume (RV)
599	LMC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of core section of left lung at residual volume (RV)
600	LMC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of core section of left lung at residual volume (RV)
601	LMC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of core section of left lung at residual volume (RV)
602	LMC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
603	LMC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of core section of left lung at residual volume (RV)
604	LMC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of core section of left lung at residual volume (RV)
605	LMC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of core section of left lung at residual volume (RV)
606	LMC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of core section of left lung at residual volume (RV)
607	LMC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of core section of left lung at residual volume (RV)
608	LMC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of core section of left lung at residual volume (RV)
609	LMC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of core section of left lung at residual volume (RV)
610	LMC_MEAN	Num	8	Average pixel values within middle part of core section of left lung (HU) at residual volume (RV)
611	LMC_MED	Num	8	Median pixel values within middle part of core section of left lung (HU) at residual volume (RV)
612	LMC_VAR	Num	8	Variance of pixel values within middle part of core section of left lung at residual volume (RV)
613	LMC_SD	Num	8	Standard deviation of pixel values within middle part of core section of left lung at residual volume (RV)
614	LMC_SKEW	Num	8	Skewness of pixel values in middle part of core section of left lung at residual volume (RV)
615	LMC_KURT	Num	8	Kurtosis of pixel values in middle part of core section of left lung at residual volume (RV)
616	LMC_FWHM	Num	8	Full width, half max (HU) for middle part of core section of left lung at residual volume (RV)
617	LMC_AIR_V	Num	8	Total volume of air in middle part of core section of left lung (milliliters) at residual volume (RV)
618	LMC_TIS_V	Num	8	Total volume of tissue in middle part of core section of left lung (ml) at residual volume (RV)
619	LMC_TOT_V	Num	8	Total volume of middle part of core section of left lung (ml) at residual volume (RV)
620	LMC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of core section of left lung at residual volume (RV)
621	LMC_A_SLP	Num	8	The slope of the line at the ankle for middle part of core section of left lung at residual volume (RV)
622	LMC_A_INT	Num	8	The interecept of the line at the ankle for middle part of core section of left lung at residual volume (RV)
623	LMC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of core section of left lung at residual volume (RV)
624	LMC_K_SLP	Num	8	The slope of the line at the knee for middle part of core section of left lung at residual volume (RV)
625	LMC_K_INT	Num	8	The intercept of the line at the knee for middle part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
626	LMC_C_CUTOFF_HU	Num	8	Middle part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
627	LMC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
628	LMC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of core section of left lung to emphysema voxels. at residual volume (RV)
629	LMC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of core section of left lung to emphysema voxels. at residual volume (RV)
630	LMC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
631	LMC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
632	LMC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
633	LMC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
634	LMC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of core section of left lung to emphysema voxels at residual volume (RV)
635	LMC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of core section of left lung at residual volume (RV)
636	LMC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of core section of left lung at residual volume (RV)
637	LMC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of core section of left lung at residual volume (RV)
638	LMC_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of core section of left lung at residual volume (RV)
639	LMC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of core section of left lung at residual volume (RV)
640	LMP_TOT_VX	Num	8	Total number of voxels in middle part of peel section of left lung at residual volume (RV)
641	LMP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of peel section of left lung at residual volume (RV)
642	LMP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of left lung at residual volume (RV)
643	LMP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of left lung at residual volume (RV)
644	LMP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of peel section of left lung at residual volume (RV)
645	LMP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of peel section of left lung at residual volume (RV)
646	LMP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of peel section of left lung at residual volume (RV)
647	LMP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of peel section of left lung at residual volume (RV)
648	LMP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
649	LMP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of peel section of left lung at residual volume (RV)
650	LMP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of peel section of left lung at residual volume (RV)
651	LMP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of peel section of left lung at residual volume (RV)
652	LMP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of peel section of left lung at residual volume (RV)
653	LMP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of peel section of left lung at residual volume (RV)
654	LMP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of peel section of left lung at residual volume (RV)
655	LMP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of peel section of left lung at residual volume (RV)
656	LMP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of peel section of left lung at residual volume (RV)
657	LMP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of peel section of left lung at residual volume (RV)
658	LMP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of peel section of left lung at residual volume (RV)
659	LMP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of peel section of left lung at residual volume (RV)
660	LMP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of peel section of left lung at residual volume (RV)
661	LMP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of peel section of left lung at residual volume (RV)
662	LMP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of peel section of left lung at residual volume (RV)
663	LMP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of peel section of left lung at residual volume (RV)
664	LMP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of peel section of left lung at residual volume (RV)
665	LMP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of peel section of left lung at residual volume (RV)
666	LMP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of peel section of left lung at residual volume (RV)
667	LMP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of peel section of left lung at residual volume (RV)
668	LMP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of peel section of left lung at residual volume (RV)
669	LMP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of peel section of left lung at residual volume (RV)
670	LMP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of peel section of left lung at residual volume (RV)
671	LMP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
672	LMP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of peel section of left lung at residual volume (RV)
673	LMP_MEAN	Num	8	Average pixel values within middle part of peel section of left lung (HU) at residual volume (RV)
674	LMP_MED	Num	8	Median pixel values within middle part of peel section of left lung (HU) at residual volume (RV)
675	LMP_VAR	Num	8	Variance of pixel values within middle part of peel section of left lung at residual volume (RV)
676	LMP_SD	Num	8	Standard deviation of pixel values within middle part of peel section of left lung at residual volume (RV)
677	LMP_SKEW	Num	8	Skewness of pixel values in middle part of peel section of left lung at residual volume (RV)
678	LMP_KURT	Num	8	Kurtosis of pixel values in middle part of peel section of left lung at residual volume (RV)
679	LMP_FWHM	Num	8	Full width, half max (HU) for middle part of peel section of left lung at residual volume (RV)
680	LMP_AIR_V	Num	8	Total volume of air in middle part of peel section of left lung (milliliters) at residual volume (RV)
681	LMP_TIS_V	Num	8	Total volume of tissue in middle part of peel section of left lung (ml) at residual volume (RV)
682	LMP_TOT_V	Num	8	Total volume of middle part of peel section of left lung (ml) at residual volume (RV)
683	LMP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of peel section of left lung at residual volume (RV)
684	LMP_A_SLP	Num	8	The slope of the line at the ankle for middle part of peel section of left lung at residual volume (RV)
685	LMP_A_INT	Num	8	The interecept of the line at the ankle for middle part of peel section of left lung at residual volume (RV)
686	LMP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of peel section of left lung at residual volume (RV)
687	LMP_K_SLP	Num	8	The slope of the line at the knee for middle part of peel section of left lung at residual volume (RV)
688	LMP_K_INT	Num	8	The intercept of the line at the knee for middle part of peel section of left lung at residual volume (RV)
689	LMP_C_CUTOFF_HU	Num	8	Middle part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
690	LMP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
691	LMP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of peel section of left lung to emphysema voxels. at residual volume (RV)
692	LMP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of peel section of left lung to emphysema voxels. at residual volume (RV)
693	LMP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
694	LMP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
695	LMP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
696	LMP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
697	LMP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of peel section of left lung to emphysema voxels at residual volume (RV)
698	LMP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of peel section of left lung at residual volume (RV)
699	LMP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of peel section of left lung at residual volume (RV)
700	LMP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of peel section of left lung at residual volume (RV)
701	LMP_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of peel section of left lung at residual volume (RV)
702	LMP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of peel section of left lung at residual volume (RV)
703	LP_TOT_VX	Num	8	Total number of voxels in peel section of left lung at residual volume (RV)
704	LP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for peel section of left lung at residual volume (RV)
705	LP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of left lung at residual volume (RV)
706	LP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of left lung at residual volume (RV)
707	LP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for peel section of left lung at residual volume (RV)
708	LP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for peel section of left lung at residual volume (RV)
709	LP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for peel section of left lung at residual volume (RV)
710	LP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for peel section of left lung at residual volume (RV)
711	LP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for peel section of left lung at residual volume (RV)
712	LP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for peel section of left lung at residual volume (RV)
713	LP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for peel section of left lung at residual volume (RV)
714	LP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for peel section of left lung at residual volume (RV)
715	LP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for peel section of left lung at residual volume (RV)
716	LP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for peel section of left lung at residual volume (RV)
717	LP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for peel section of left lung at residual volume (RV)
718	LP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
719	LP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for peel section of left lung at residual volume (RV)
720	LP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for peel section of left lung at residual volume (RV)
721	LP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for peel section of left lung at residual volume (RV)
722	LP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for peel section of left lung at residual volume (RV)
723	LP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for peel section of left lung at residual volume (RV)
724	LP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for peel section of left lung at residual volume (RV)
725	LP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for peel section of left lung at residual volume (RV)
726	LP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for peel section of left lung at residual volume (RV)
727	LP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for peel section of left lung at residual volume (RV)
728	LP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for peel section of left lung at residual volume (RV)
729	LP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for peel section of left lung at residual volume (RV)
730	LP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for peel section of left lung at residual volume (RV)
731	LP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for peel section of left lung at residual volume (RV)
732	LP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for peel section of left lung at residual volume (RV)
733	LP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for peel section of left lung at residual volume (RV)
734	LP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for peel section of left lung at residual volume (RV)
735	LP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for peel section of left lung at residual volume (RV)
736	LP_MEAN	Num	8	Average pixel values within peel section of left lung (HU) at residual volume (RV)
737	LP_MED	Num	8	Median pixel values within peel section of left lung (HU) at residual volume (RV)
738	LP_VAR	Num	8	Variance of pixel values within peel section of left lung at residual volume (RV)
739	LP_SD	Num	8	Standard deviation of pixel values within peel section of left lung at residual volume (RV)
740	LP_SKEW	Num	8	Skewness of pixel values in peel section of left lung at residual volume (RV)
741	LP_KURT	Num	8	Kurtosis of pixel values in peel section of left lung at residual volume (RV)
742	LP_FWHM	Num	8	Full width, half max (HU) for peel section of left lung at residual volume (RV)
743	LP_AIR_V	Num	8	Total volume of air in peel section of left lung (milliliters) at residual volume (RV)
744	LP_TIS_V	Num	8	Total volume of tissue in peel section of left lung (ml) at residual volume (RV)
745	LP_TOT_V	Num	8	Total volume of peel section of left lung (ml) at residual volume (RV)

Num	Variable	Type	Len	Label
746	LP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of left lung at residual volume (RV)
747	LP_A_SLP	Num	8	The slope of the line at the ankle for peel section of left lung at residual volume (RV)
748	LP_A_INT	Num	8	The interecept of the line at the ankle for peel section of left lung at residual volume (RV)
749	LP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of left lung at residual volume (RV)
750	LP_K_SLP	Num	8	The slope of the line at the knee for peel section of left lung at residual volume (RV)
751	LP_K_INT	Num	8	The intercept of the line at the knee for peel section of left lung at residual volume (RV)
752	LP_C_CUTOFF_HU	Num	8	Peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at residual volume (RV)
753	LP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
754	LP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of peel section of left lung to emphysema voxels. at residual volume (RV)
755	LP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels. at residual volume (RV)
756	LP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
757	LP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
758	LP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
759	LP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
760	LP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at residual volume (RV)
761	LP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for peel section of left lung at residual volume (RV)
762	LP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for peel section of left lung at residual volume (RV)
763	LP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for peel section of left lung at residual volume (RV)
764	LP_VESSEL_VX	Num	8	Total number of vessel voxels in peel section of left lung at residual volume (RV)
765	LP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for peel section of left lung at residual volume (RV)
766	LU_TOT_VX	Num	8	Total number of voxels in upper part of left lung at residual volume (RV)
767	LU_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of left lung at residual volume (RV)
768	LU_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of left lung at residual volume (RV)
769	LU_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of left lung at residual volume (RV)
770	LU_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
771	LU_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of left lung at residual volume (RV)
772	LU_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of left lung at residual volume (RV)
773	LU_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of left lung at residual volume (RV)
774	LU_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of left lung at residual volume (RV)
775	LU_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of left lung at residual volume (RV)
776	LU_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of left lung at residual volume (RV)
777	LU_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of left lung at residual volume (RV)
778	LU_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of left lung at residual volume (RV)
779	LU_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of left lung at residual volume (RV)
780	LU_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of left lung at residual volume (RV)
781	LU_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of left lung at residual volume (RV)
782	LU_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of left lung at residual volume (RV)
783	LU_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of left lung at residual volume (RV)
784	LU_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of left lung at residual volume (RV)
785	LU_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of left lung at residual volume (RV)
786	LU_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of left lung at residual volume (RV)
787	LU_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of left lung at residual volume (RV)
788	LU_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of left lung at residual volume (RV)
789	LU_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of left lung at residual volume (RV)
790	LU_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of left lung at residual volume (RV)
791	LU_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of left lung at residual volume (RV)
792	LU_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of left lung at residual volume (RV)
793	LU_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
794	LU_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of left lung at residual volume (RV)
795	LU_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of left lung at residual volume (RV)
796	LU_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of left lung at residual volume (RV)
797	LU_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of left lung at residual volume (RV)
798	LU_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of left lung at residual volume (RV)
799	LU_MEAN	Num	8	Average pixel values within upper part of left lung (HU) at residual volume (RV)
800	LU_MED	Num	8	Median pixel values within upper part of left lung (HU) at residual volume (RV)
801	LU_VAR	Num	8	Variance of pixel values within upper part of left lung at residual volume (RV)
802	LU_SD	Num	8	Standard deviation of pixel values within upper part of left lung at residual volume (RV)
803	LU_SKEW	Num	8	Skewness of pixel values in upper part of left lung at residual volume (RV)
804	LU_KURT	Num	8	Kurtosis of pixel values in upper part of left lung at residual volume (RV)
805	LU_FWHM	Num	8	Full width, half max (HU) for upper part of left lung at residual volume (RV)
806	LU_AIR_V	Num	8	Total volume of air in upper part of left lung (milliliters) at residual volume (RV)
807	LU_TIS_V	Num	8	Total volume of tissue in upper part of left lung (ml) at residual volume (RV)
808	LU_TOT_V	Num	8	Total volume of upper part of left lung (ml) at residual volume (RV)
809	LU_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of left lung at residual volume (RV)
810	LU_A_SLP	Num	8	The slope of the line at the ankle for upper part of left lung at residual volume (RV)
811	LU_A_INT	Num	8	The interecept of the line at the ankle for upper part of left lung at residual volume (RV)
812	LU_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of left lung at residual volume (RV)
813	LU_K_SLP	Num	8	The slope of the line at the knee for upper part of left lung at residual volume (RV)
814	LU_K_INT	Num	8	The intercept of the line at the knee for upper part of left lung at residual volume (RV)
815	LU_C_CUTOFF_HU	Num	8	Upper part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
816	LU_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
817	LU_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of left lung to emphysema voxels. at residual volume (RV)
818	LU_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels. at residual volume (RV)
819	LU_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
820	LU_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
821	LU_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
822	LU_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
823	LU_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at residual volume (RV)
824	LU_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of left lung at residual volume (RV)
825	LU_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of left lung at residual volume (RV)
826	LU_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of left lung at residual volume (RV)
827	LU_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of left lung at residual volume (RV)
828	LU_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of left lung at residual volume (RV)
829	LUC_TOT_VX	Num	8	Total number of voxels in upper part of core section of left lung at residual volume (RV)
830	LUC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of core section of left lung at residual volume (RV)
831	LUC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of core section of left lung at residual volume (RV)
832	LUC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of core section of left lung at residual volume (RV)
833	LUC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of core section of left lung at residual volume (RV)
834	LUC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of core section of left lung at residual volume (RV)
835	LUC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of core section of left lung at residual volume (RV)
836	LUC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of core section of left lung at residual volume (RV)
837	LUC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of core section of left lung at residual volume (RV)
838	LUC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of core section of left lung at residual volume (RV)
839	LUC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of core section of left lung at residual volume (RV)
840	LUC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of core section of left lung at residual volume (RV)
841	LUC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of core section of left lung at residual volume (RV)
842	LUC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of core section of left lung at residual volume (RV)
843	LUC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of core section of left lung at residual volume (RV)
844	LUC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of core section of left lung at residual volume (RV)
845	LUC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of core section of left lung at residual volume (RV)
846	LUC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of core section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
847	LUC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of core section of left lung at residual volume (RV)
848	LUC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of core section of left lung at residual volume (RV)
849	LUC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of core section of left lung at residual volume (RV)
850	LUC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of core section of left lung at residual volume (RV)
851	LUC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of core section of left lung at residual volume (RV)
852	LUC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of core section of left lung at residual volume (RV)
853	LUC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of core section of left lung at residual volume (RV)
854	LUC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of core section of left lung at residual volume (RV)
855	LUC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of core section of left lung at residual volume (RV)
856	LUC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of core section of left lung at residual volume (RV)
857	LUC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of core section of left lung at residual volume (RV)
858	LUC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of core section of left lung at residual volume (RV)
859	LUC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of core section of left lung at residual volume (RV)
860	LUC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of core section of left lung at residual volume (RV)
861	LUC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of core section of left lung at residual volume (RV)
862	LUC_MEAN	Num	8	Average pixel values within upper part of core section of left lung (HU) at residual volume (RV)
863	LUC_MED	Num	8	Median pixel values within upper part of core section of left lung (HU) at residual volume (RV)
864	LUC_VAR	Num	8	Variance of pixel values within upper part of core section of left lung at residual volume (RV)
865	LUC_SD	Num	8	Standard deviation of pixel values within upper part of core section of left lung at residual volume (RV)
866	LUC_SKEW	Num	8	Skewness of pixel values in upper part of core section of left lung at residual volume (RV)
867	LUC_KURT	Num	8	Kurtosis of pixel values in upper part of core section of left lung at residual volume (RV)
868	LUC_FWHM	Num	8	Full width, half max (HU) for upper part of core section of left lung at residual volume (RV)
869	LUC_AIR_V	Num	8	Total volume of air in upper part of core section of left lung (milliliters) at residual volume (RV)
870	LUC_TIS_V	Num	8	Total volume of tissue in upper part of core section of left lung (ml) at residual volume (RV)

Num	Variable	Type	Len	Label
871	LUC_TOT_V	Num	8	Total volume of upper part of core section of left lung (ml) at residual volume (RV)
872	LUC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of core section of left lung at residual volume (RV)
873	LUC_A_SLP	Num	8	The slope of the line at the ankle for upper part of core section of left lung at residual volume (RV)
874	LUC_A_INT	Num	8	The interecept of the line at the ankle for upper part of core section of left lung at residual volume (RV)
875	LUC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of core section of left lung at residual volume (RV)
876	LUC_K_SLP	Num	8	The slope of the line at the knee for upper part of core section of left lung at residual volume (RV)
877	LUC_K_INT	Num	8	The intercept of the line at the knee for upper part of core section of left lung at residual volume (RV)
878	LUC_C_CUTOFF_HU	Num	8	Upper part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
879	LUC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
880	LUC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of core section of left lung to emphysema voxels. at residual volume (RV)
881	LUC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels. at residual volume (RV)
882	LUC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
883	LUC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
884	LUC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
885	LUC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
886	LUC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at residual volume (RV)
887	LUC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of core section of left lung at residual volume (RV)
888	LUC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of core section of left lung at residual volume (RV)
889	LUC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of core section of left lung at residual volume (RV)
890	LUC_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of core section of left lung at residual volume (RV)
891	LUC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of core section of left lung at residual volume (RV)
892	LUP_TOT_VX	Num	8	Total number of voxels in upper part of peel section of left lung at residual volume (RV)
893	LUP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
894	LUP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of left lung at residual volume (RV)
895	LUP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of left lung at residual volume (RV)
896	LUP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of peel section of left lung at residual volume (RV)
897	LUP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of peel section of left lung at residual volume (RV)
898	LUP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of peel section of left lung at residual volume (RV)
899	LUP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of peel section of left lung at residual volume (RV)
900	LUP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of peel section of left lung at residual volume (RV)
901	LUP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of peel section of left lung at residual volume (RV)
902	LUP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of peel section of left lung at residual volume (RV)
903	LUP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of peel section of left lung at residual volume (RV)
904	LUP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of peel section of left lung at residual volume (RV)
905	LUP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of peel section of left lung at residual volume (RV)
906	LUP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of peel section of left lung at residual volume (RV)
907	LUP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of peel section of left lung at residual volume (RV)
908	LUP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of peel section of left lung at residual volume (RV)
909	LUP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of peel section of left lung at residual volume (RV)
910	LUP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of peel section of left lung at residual volume (RV)
911	LUP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of peel section of left lung at residual volume (RV)
912	LUP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of peel section of left lung at residual volume (RV)
913	LUP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of peel section of left lung at residual volume (RV)
914	LUP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of peel section of left lung at residual volume (RV)
915	LUP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of peel section of left lung at residual volume (RV)
916	LUP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
917	LUP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of peel section of left lung at residual volume (RV)
918	LUP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of peel section of left lung at residual volume (RV)
919	LUP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of peel section of left lung at residual volume (RV)
920	LUP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of peel section of left lung at residual volume (RV)
921	LUP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of peel section of left lung at residual volume (RV)
922	LUP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of peel section of left lung at residual volume (RV)
923	LUP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of peel section of left lung at residual volume (RV)
924	LUP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of peel section of left lung at residual volume (RV)
925	LUP_MEAN	Num	8	Average pixel values within upper part of peel section of left lung (HU) at residual volume (RV)
926	LUP_MED	Num	8	Median pixel values within upper part of peel section of left lung (HU) at residual volume (RV)
927	LUP_VAR	Num	8	Variance of pixel values within upper part of peel section of left lung at residual volume (RV)
928	LUP_SD	Num	8	Standard deviation of pixel values within upper part of peel section of left lung at residual volume (RV)
929	LUP_SKEW	Num	8	Skewness of pixel values in upper part of peel section of left lung at residual volume (RV)
930	LUP_KURT	Num	8	Kurtosis of pixel values in upper part of peel section of left lung at residual volume (RV)
931	LUP_FWHM	Num	8	Full width, half max (HU) for upper part of peel section of left lung at residual volume (RV)
932	LUP_AIR_V	Num	8	Total volume of air in upper part of peel section of left lung (milliliters) at residual volume (RV)
933	LUP_TIS_V	Num	8	Total volume of tissue in upper part of peel section of left lung (ml) at residual volume (RV)
934	LUP_TOT_V	Num	8	Total volume of upper part of peel section of left lung (ml) at residual volume (RV)
935	LUP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of peel section of left lung at residual volume (RV)
936	LUP_A_SLP	Num	8	The slope of the line at the ankle for upper part of peel section of left lung at residual volume (RV)
937	LUP_A_INT	Num	8	The interecept of the line at the ankle for upper part of peel section of left lung at residual volume (RV)
938	LUP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of peel section of left lung at residual volume (RV)
939	LUP_K_SLP	Num	8	The slope of the line at the knee for upper part of peel section of left lung at residual volume (RV)
940	LUP_K_INT	Num	8	The intercept of the line at the knee for upper part of peel section of left lung at residual volume (RV)

Num	Variable	Type	Len	Label
941	LUP_C_CUTOFF_HU	Num	8	Upper part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
942	LUP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
943	LUP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of peel section of left lung to emphysema voxels. at residual volume (RV)
944	LUP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels. at residual volume (RV)
945	LUP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
946	LUP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
947	LUP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
948	LUP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
949	LUP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at residual volume (RV)
950	LUP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of peel section of left lung at residual volume (RV)
951	LUP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of peel section of left lung at residual volume (RV)
952	LUP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of peel section of left lung at residual volume (RV)
953	LUP_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of peel section of left lung at residual volume (RV)
954	LUP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of peel section of left lung at residual volume (RV)
955	R_TOT_VX	Num	8	Total number of voxels in right lung at residual volume (RV)
956	R_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for right lung at residual volume (RV)
957	R_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for right lung at residual volume (RV)
958	R_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for right lung at residual volume (RV)
959	R_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for right lung at residual volume (RV)
960	R_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for right lung at residual volume (RV)
961	R_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for right lung at residual volume (RV)
962	R_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for right lung at residual volume (RV)
963	R_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for right lung at residual volume (RV)
964	R_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for right lung at residual volume (RV)

Num	Variable	Type	Len	Label
965	R_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for right lung at residual volume (RV)
966	R_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for right lung at residual volume (RV)
967	R_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for right lung at residual volume (RV)
968	R_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for right lung at residual volume (RV)
969	R_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for right lung at residual volume (RV)
970	R_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for right lung at residual volume (RV)
971	R_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for right lung at residual volume (RV)
972	R_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for right lung at residual volume (RV)
973	R_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for right lung at residual volume (RV)
974	R_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for right lung at residual volume (RV)
975	R_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for right lung at residual volume (RV)
976	R_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for right lung at residual volume (RV)
977	R_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for right lung at residual volume (RV)
978	R_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for right lung at residual volume (RV)
979	R_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for right lung at residual volume (RV)
980	R_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for right lung at residual volume (RV)
981	R_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for right lung at residual volume (RV)
982	R_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for right lung at residual volume (RV)
983	R_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for right lung at residual volume (RV)
984	R_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for right lung at residual volume (RV)
985	R_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for right lung at residual volume (RV)
986	R_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for right lung at residual volume (RV)
987	R_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for right lung at residual volume (RV)
988	R_MEAN	Num	8	Average pixel values within right lung (HU) at residual volume (RV)

Num	Variable	Type	Len	Label
989	R_MED	Num	8	Median pixel values within right lung (HU) at residual volume (RV)
990	R_VAR	Num	8	Variance of pixel values within right lung at residual volume (RV)
991	R_SD	Num	8	Standard deviation of pixel values within right lung at residual volume (RV)
992	R_SKEW	Num	8	Skewness of pixel values in right lung at residual volume (RV)
993	R_KURT	Num	8	Kurtosis of pixel values in right lung at residual volume (RV)
994	R_FWHM	Num	8	Full width, half max (HU) for right lung at residual volume (RV)
995	R_AIR_V	Num	8	Total volume of air in right lung (milliliters) at residual volume (RV)
996	R_TIS_V	Num	8	Total volume of tissue in right lung (ml) at residual volume (RV)
997	R_TOT_V	Num	8	Total volume of right lung (ml) at residual volume (RV)
998	R_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for right lung at residual volume (RV)
999	R_A_SLP	Num	8	The slope of the line at the ankle for right lung at residual volume (RV)
1000	R_A_INT	Num	8	The interecept of the line at the ankle for right lung at residual volume (RV)
1001	R_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for right lung at residual volume (RV)
1002	R_K_SLP	Num	8	The slope of the line at the knee for right lung at residual volume (RV)
1003	R_K_INT	Num	8	The intercept of the line at the knee for right lung at residual volume (RV)
1004	R_C_CUTOFF_HU	Num	8	Right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at residual volume (RV)
1005	R_C_V_M	Num	8	Mean length of vectors drawn from the centroid of right lung to emphysema voxels at residual volume (RV)
1006	R_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of right lung to emphysema voxels. at residual volume (RV)
1007	R_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of right lung to emphysema voxels. at residual volume (RV)
1008	R_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at residual volume (RV)
1009	R_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of right lung to emphysema voxels at residual volume (RV)
1010	R_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at residual volume (RV)
1011	R_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of right lung to emphysema voxels at residual volume (RV)
1012	R_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at residual volume (RV)
1013	R_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for right lung at residual volume (RV)
1014	R_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for right lung at residual volume (RV)
1015	R_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for right lung at residual volume (RV)
1016	R_VESSEL_VX	Num	8	Total number of vessel voxels in right lung at residual volume (RV)
1017	R_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1018	RC_TOT_VX	Num	8	Total number of voxels in core section of right lung at residual volume (RV)
1019	RC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for core section of right lung at residual volume (RV)
1020	RC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of right lung at residual volume (RV)
1021	RC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for core section of right lung at residual volume (RV)
1022	RC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for core section of right lung at residual volume (RV)
1023	RC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for core section of right lung at residual volume (RV)
1024	RC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for core section of right lung at residual volume (RV)
1025	RC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for core section of right lung at residual volume (RV)
1026	RC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for core section of right lung at residual volume (RV)
1027	RC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for core section of right lung at residual volume (RV)
1028	RC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for core section of right lung at residual volume (RV)
1029	RC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for core section of right lung at residual volume (RV)
1030	RC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for core section of right lung at residual volume (RV)
1031	RC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for core section of right lung at residual volume (RV)
1032	RC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for core section of right lung at residual volume (RV)
1033	RC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for core section of right lung at residual volume (RV)
1034	RC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for core section of right lung at residual volume (RV)
1035	RC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for core section of right lung at residual volume (RV)
1036	RC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for core section of right lung at residual volume (RV)
1037	RC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for core section of right lung at residual volume (RV)
1038	RC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for core section of right lung at residual volume (RV)
1039	RC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for core section of right lung at residual volume (RV)
1040	RC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for core section of right lung at residual volume (RV)
1041	RC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1042	RC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for core section of right lung at residual volume (RV)
1043	RC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for core section of right lung at residual volume (RV)
1044	RC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for core section of right lung at residual volume (RV)
1045	RC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for core section of right lung at residual volume (RV)
1046	RC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for core section of right lung at residual volume (RV)
1047	RC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for core section of right lung at residual volume (RV)
1048	RC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for core section of right lung at residual volume (RV)
1049	RC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for core section of right lung at residual volume (RV)
1050	RC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for core section of right lung at residual volume (RV)
1051	RC_MEAN	Num	8	Average pixel values within core section of right lung (HU) at residual volume (RV)
1052	RC_MED	Num	8	Median pixel values within core section of right lung (HU) at residual volume (RV)
1053	RC_VAR	Num	8	Variance of pixel values within core section of right lung at residual volume (RV)
1054	RC_SD	Num	8	Standard deviation of pixel values within core section of right lung at residual volume (RV)
1055	RC_SKEW	Num	8	Skewness of pixel values in core section of right lung at residual volume (RV)
1056	RC_KURT	Num	8	Kurtosis of pixel values in core section of right lung at residual volume (RV)
1057	RC_FWHM	Num	8	Full width, half max (HU) for core section of right lung at residual volume (RV)
1058	RC_AIR_V	Num	8	Total volume of air in core section of right lung (milliliters) at residual volume (RV)
1059	RC_TIS_V	Num	8	Total volume of tissue in core section of right lung (ml) at residual volume (RV)
1060	RC_TOT_V	Num	8	Total volume of core section of right lung (ml) at residual volume (RV)
1061	RC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of right lung at residual volume (RV)
1062	RC_A_SLP	Num	8	The slope of the line at the ankle for core section of right lung at residual volume (RV)
1063	RC_A_INT	Num	8	The interecept of the line at the ankle for core section of right lung at residual volume (RV)
1064	RC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of right lung at residual volume (RV)
1065	RC_K_SLP	Num	8	The slope of the line at the knee for core section of right lung at residual volume (RV)
1066	RC_K_INT	Num	8	The intercept of the line at the knee for core section of right lung at residual volume (RV)
1067	RC_C_CUTOFF_HU	Num	8	Core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1068	RC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1069	RC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of core section of right lung to emphysema voxels. at residual volume (RV)

Num	Variable	Type	Len	Label
1070	RC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels. at residual volume (RV)
1071	RC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1072	RC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1073	RC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1074	RC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1075	RC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at residual volume (RV)
1076	RC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for core section of right lung at residual volume (RV)
1077	RC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for core section of right lung at residual volume (RV)
1078	RC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for core section of right lung at residual volume (RV)
1079	RC_VESSEL_VX	Num	8	Total number of vessel voxels in core section of right lung at residual volume (RV)
1080	RC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for core section of right lung at residual volume (RV)
1081	RL_TOT_VX	Num	8	Total number of voxels in lower part of right lung at residual volume (RV)
1082	RL_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of right lung at residual volume (RV)
1083	RL_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of right lung at residual volume (RV)
1084	RL_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of right lung at residual volume (RV)
1085	RL_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of right lung at residual volume (RV)
1086	RL_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of right lung at residual volume (RV)
1087	RL_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of right lung at residual volume (RV)
1088	RL_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of right lung at residual volume (RV)
1089	RL_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of right lung at residual volume (RV)
1090	RL_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of right lung at residual volume (RV)
1091	RL_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of right lung at residual volume (RV)
1092	RL_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of right lung at residual volume (RV)
1093	RL_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1094	RL_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of right lung at residual volume (RV)
1095	RL_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of right lung at residual volume (RV)
1096	RL_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of right lung at residual volume (RV)
1097	RL_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of right lung at residual volume (RV)
1098	RL_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of right lung at residual volume (RV)
1099	RL_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of right lung at residual volume (RV)
1100	RL_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of right lung at residual volume (RV)
1101	RL_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of right lung at residual volume (RV)
1102	RL_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of right lung at residual volume (RV)
1103	RL_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of right lung at residual volume (RV)
1104	RL_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of right lung at residual volume (RV)
1105	RL_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of right lung at residual volume (RV)
1106	RL_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of right lung at residual volume (RV)
1107	RL_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of right lung at residual volume (RV)
1108	RL_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of right lung at residual volume (RV)
1109	RL_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of right lung at residual volume (RV)
1110	RL_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of right lung at residual volume (RV)
1111	RL_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of right lung at residual volume (RV)
1112	RL_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of right lung at residual volume (RV)
1113	RL_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of right lung at residual volume (RV)
1114	RL_MEAN	Num	8	Average pixel values within lower part of right lung (HU) at residual volume (RV)
1115	RL_MED	Num	8	Median pixel values within lower part of right lung (HU) at residual volume (RV)
1116	RL_VAR	Num	8	Variance of pixel values within lower part of right lung at residual volume (RV)
1117	RL_SD	Num	8	Standard deviation of pixel values within lower part of right lung at residual volume (RV)
1118	RL_SKEW	Num	8	Skewness of pixel values in lower part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1119	RL_KURT	Num	8	Kurtosis of pixel values in lower part of right lung at residual volume (RV)
1120	RL_FWHM	Num	8	Full width, half max (HU) for lower part of right lung at residual volume (RV)
1121	RL_AIR_V	Num	8	Total volume of air in lower part of right lung (milliliters) at residual volume (RV)
1122	RL_TIS_V	Num	8	Total volume of tissue in lower part of right lung (ml) at residual volume (RV)
1123	RL_TOT_V	Num	8	Total volume of lower part of right lung (ml) at residual volume (RV)
1124	RL_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of right lung at residual volume (RV)
1125	RL_A_SLP	Num	8	The slope of the line at the ankle for lower part of right lung at residual volume (RV)
1126	RL_A_INT	Num	8	The interecept of the line at the ankle for lower part of right lung at residual volume (RV)
1127	RL_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of right lung at residual volume (RV)
1128	RL_K_SLP	Num	8	The slope of the line at the knee for lower part of right lung at residual volume (RV)
1129	RL_K_INT	Num	8	The intercept of the line at the knee for lower part of right lung at residual volume (RV)
1130	RL_C_CUTOFF_HU	Num	8	Lower part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1131	RL_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1132	RL_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of right lung to emphysema voxels. at residual volume (RV)
1133	RL_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels. at residual volume (RV)
1134	RL_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1135	RL_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1136	RL_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1137	RL_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1138	RL_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at residual volume (RV)
1139	RL_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of right lung at residual volume (RV)
1140	RL_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of right lung at residual volume (RV)
1141	RL_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of right lung at residual volume (RV)
1142	RL_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of right lung at residual volume (RV)
1143	RL_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of right lung at residual volume (RV)
1144	RLC_TOT_VX	Num	8	Total number of voxels in lower part of core section of right lung at residual volume (RV)
1145	RLC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1146	RLC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of core section of right lung at residual volume (RV)
1147	RLC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of core section of right lung at residual volume (RV)
1148	RLC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of core section of right lung at residual volume (RV)
1149	RLC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of core section of right lung at residual volume (RV)
1150	RLC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of core section of right lung at residual volume (RV)
1151	RLC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of core section of right lung at residual volume (RV)
1152	RLC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of core section of right lung at residual volume (RV)
1153	RLC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of core section of right lung at residual volume (RV)
1154	RLC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of core section of right lung at residual volume (RV)
1155	RLC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of core section of right lung at residual volume (RV)
1156	RLC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of core section of right lung at residual volume (RV)
1157	RLC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of core section of right lung at residual volume (RV)
1158	RLC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of core section of right lung at residual volume (RV)
1159	RLC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of core section of right lung at residual volume (RV)
1160	RLC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of core section of right lung at residual volume (RV)
1161	RLC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of core section of right lung at residual volume (RV)
1162	RLC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of core section of right lung at residual volume (RV)
1163	RLC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of core section of right lung at residual volume (RV)
1164	RLC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of core section of right lung at residual volume (RV)
1165	RLC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of core section of right lung at residual volume (RV)
1166	RLC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of core section of right lung at residual volume (RV)
1167	RLC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of core section of right lung at residual volume (RV)
1168	RLC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1169	RLC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of core section of right lung at residual volume (RV)
1170	RLC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of core section of right lung at residual volume (RV)
1171	RLC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of core section of right lung at residual volume (RV)
1172	RLC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of core section of right lung at residual volume (RV)
1173	RLC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of core section of right lung at residual volume (RV)
1174	RLC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of core section of right lung at residual volume (RV)
1175	RLC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of core section of right lung at residual volume (RV)
1176	RLC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of core section of right lung at residual volume (RV)
1177	RLC_MEAN	Num	8	Average pixel values within lower part of core section of right lung (HU) at residual volume (RV)
1178	RLC_MED	Num	8	Median pixel values within lower part of core section of right lung (HU) at residual volume (RV)
1179	RLC_VAR	Num	8	Variance of pixel values within lower part of core section of right lung at residual volume (RV)
1180	RLC_SD	Num	8	Standard deviation of pixel values within lower part of core section of right lung at residual volume (RV)
1181	RLC_SKEW	Num	8	Skewness of pixel values in lower part of core section of right lung at residual volume (RV)
1182	RLC_KURT	Num	8	Kurtosis of pixel values in lower part of core section of right lung at residual volume (RV)
1183	RLC_FWHM	Num	8	Full width, half max (HU) for lower part of core section of right lung at residual volume (RV)
1184	RLC_AIR_V	Num	8	Total volume of air in lower part of core section of right lung (milliliters) at residual volume (RV)
1185	RLC_TIS_V	Num	8	Total volume of tissue in lower part of core section of right lung (ml) at residual volume (RV)
1186	RLC_TOT_V	Num	8	Total volume of lower part of core section of right lung (ml) at residual volume (RV)
1187	RLC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of core section of right lung at residual volume (RV)
1188	RLC_A_SLP	Num	8	The slope of the line at the ankle for lower part of core section of right lung at residual volume (RV)
1189	RLC_A_INT	Num	8	The interecept of the line at the ankle for lower part of core section of right lung at residual volume (RV)
1190	RLC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of core section of right lung at residual volume (RV)
1191	RLC_K_SLP	Num	8	The slope of the line at the knee for lower part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1192	RLC_K_INT	Num	8	The intercept of the line at the knee for lower part of core section of right lung at residual volume (RV)
1193	RLC_C_CUTOFF_HU	Num	8	Lower part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1194	RLC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1195	RLC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of core section of right lung to emphysema voxels. at residual volume (RV)
1196	RLC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels. at residual volume (RV)
1197	RLC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1198	RLC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1199	RLC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1200	RLC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1201	RLC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at residual volume (RV)
1202	RLC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of core section of right lung at residual volume (RV)
1203	RLC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of core section of right lung at residual volume (RV)
1204	RLC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of core section of right lung at residual volume (RV)
1205	RLC_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of core section of right lung at residual volume (RV)
1206	RLC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of core section of right lung at residual volume (RV)
1207	RLP_TOT_VX	Num	8	Total number of voxels in lower part of peel section of right lung at residual volume (RV)
1208	RLP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1209	RLP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1210	RLP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1211	RLP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1212	RLP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1213	RLP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1214	RLP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for lower part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1215	RLP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1216	RLP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1217	RLP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1218	RLP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1219	RLP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1220	RLP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1221	RLP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1222	RLP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1223	RLP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1224	RLP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1225	RLP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1226	RLP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1227	RLP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1228	RLP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1229	RLP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1230	RLP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1231	RLP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1232	RLP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1233	RLP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1234	RLP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1235	RLP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1236	RLP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1237	RLP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for lower part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1238	RLP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1239	RLP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for lower part of peel section of right lung at residual volume (RV)
1240	RLP_MEAN	Num	8	Average pixel values within lower part of peel section of right lung (HU) at residual volume (RV)
1241	RLP_MED	Num	8	Median pixel values within lower part of peel section of right lung (HU) at residual volume (RV)
1242	RLP_VAR	Num	8	Variance of pixel values within lower part of peel section of right lung at residual volume (RV)
1243	RLP_SD	Num	8	Standard deviation of pixel values within lower part of peel section of right lung at residual volume (RV)
1244	RLP_SKEW	Num	8	Skewness of pixel values in lower part of peel section of right lung at residual volume (RV)
1245	RLP_KURT	Num	8	Kurtosis of pixel values in lower part of peel section of right lung at residual volume (RV)
1246	RLP_FWHM	Num	8	Full width, half max (HU) for lower part of peel section of right lung at residual volume (RV)
1247	RLP_AIR_V	Num	8	Total volume of air in lower part of peel section of right lung (milliliters) at residual volume (RV)
1248	RLP_TIS_V	Num	8	Total volume of tissue in lower part of peel section of right lung (ml) at residual volume (RV)
1249	RLP_TOT_V	Num	8	Total volume of lower part of peel section of right lung (ml) at residual volume (RV)
1250	RLP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of peel section of right lung at residual volume (RV)
1251	RLP_A_SLP	Num	8	The slope of the line at the ankle for lower part of peel section of right lung at residual volume (RV)
1252	RLP_A_INT	Num	8	The interecept of the line at the ankle for lower part of peel section of right lung at residual volume (RV)
1253	RLP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of peel section of right lung at residual volume (RV)
1254	RLP_K_SLP	Num	8	The slope of the line at the knee for lower part of peel section of right lung at residual volume (RV)
1255	RLP_K_INT	Num	8	The intercept of the line at the knee for lower part of peel section of right lung at residual volume (RV)
1256	RLP_C_CUTOFF_HU	Num	8	Lower part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1257	RLP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1258	RLP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of lower part of peel section of right lung to emphysema voxels. at residual volume (RV)
1259	RLP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels. at residual volume (RV)
1260	RLP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
1261	RLP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1262	RLP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1263	RLP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1264	RLP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at residual volume (RV)
1265	RLP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for lower part of peel section of right lung at residual volume (RV)
1266	RLP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for lower part of peel section of right lung at residual volume (RV)
1267	RLP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for lower part of peel section of right lung at residual volume (RV)
1268	RLP_VESSEL_VX	Num	8	Total number of vessel voxels in lower part of peel section of right lung at residual volume (RV)
1269	RLP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of peel section of right lung at residual volume (RV)
1270	RM_TOT_VX	Num	8	Total number of voxels in middle part of right lung at residual volume (RV)
1271	RM_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of right lung at residual volume (RV)
1272	RM_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of right lung at residual volume (RV)
1273	RM_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of right lung at residual volume (RV)
1274	RM_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of right lung at residual volume (RV)
1275	RM_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of right lung at residual volume (RV)
1276	RM_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of right lung at residual volume (RV)
1277	RM_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of right lung at residual volume (RV)
1278	RM_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of right lung at residual volume (RV)
1279	RM_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of right lung at residual volume (RV)
1280	RM_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of right lung at residual volume (RV)
1281	RM_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of right lung at residual volume (RV)
1282	RM_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of right lung at residual volume (RV)
1283	RM_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of right lung at residual volume (RV)
1284	RM_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1285	RM_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of right lung at residual volume (RV)
1286	RM_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of right lung at residual volume (RV)
1287	RM_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of right lung at residual volume (RV)
1288	RM_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of right lung at residual volume (RV)
1289	RM_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of right lung at residual volume (RV)
1290	RM_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of right lung at residual volume (RV)
1291	RM_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of right lung at residual volume (RV)
1292	RM_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of right lung at residual volume (RV)
1293	RM_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of right lung at residual volume (RV)
1294	RM_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of right lung at residual volume (RV)
1295	RM_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of right lung at residual volume (RV)
1296	RM_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of right lung at residual volume (RV)
1297	RM_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of right lung at residual volume (RV)
1298	RM_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of right lung at residual volume (RV)
1299	RM_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of right lung at residual volume (RV)
1300	RM_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of right lung at residual volume (RV)
1301	RM_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of right lung at residual volume (RV)
1302	RM_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of right lung at residual volume (RV)
1303	RM_MEAN	Num	8	Average pixel values within middle part of right lung (HU) at residual volume (RV)
1304	RM_MED	Num	8	Median pixel values within middle part of right lung (HU) at residual volume (RV)
1305	RM_VAR	Num	8	Variance of pixel values within middle part of right lung at residual volume (RV)
1306	RM_SD	Num	8	Standard deviation of pixel values within middle part of right lung at residual volume (RV)
1307	RM_SKEW	Num	8	Skewness of pixel values in middle part of right lung at residual volume (RV)
1308	RM_KURT	Num	8	Kurtosis of pixel values in middle part of right lung at residual volume (RV)
1309	RM_FWHM	Num	8	Full width, half max (HU) for middle part of right lung at residual volume (RV)
1310	RM_AIR_V	Num	8	Total volume of air in middle part of right lung (milliliters) at residual volume (RV)

Num	Variable	Type	Len	Label
1311	RM_TIS_V	Num	8	Total volume of tissue in middle part of right lung (ml) at residual volume (RV)
1312	RM_TOT_V	Num	8	Total volume of middle part of right lung (ml) at residual volume (RV)
1313	RM_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of right lung at residual volume (RV)
1314	RM_A_SLP	Num	8	The slope of the line at the ankle for middle part of right lung at residual volume (RV)
1315	RM_A_INT	Num	8	The interecept of the line at the ankle for middle part of right lung at residual volume (RV)
1316	RM_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of right lung at residual volume (RV)
1317	RM_K_SLP	Num	8	The slope of the line at the knee for middle part of right lung at residual volume (RV)
1318	RM_K_INT	Num	8	The intercept of the line at the knee for middle part of right lung at residual volume (RV)
1319	RM_C_CUTOFF_HU	Num	8	Middle part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1320	RM_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1321	RM_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of right lung to emphysema voxels. at residual volume (RV)
1322	RM_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels. at residual volume (RV)
1323	RM_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1324	RM_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1325	RM_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1326	RM_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1327	RM_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at residual volume (RV)
1328	RM_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of right lung at residual volume (RV)
1329	RM_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of right lung at residual volume (RV)
1330	RM_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of right lung at residual volume (RV)
1331	RM_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of right lung at residual volume (RV)
1332	RM_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of right lung at residual volume (RV)
1333	RMC_TOT_VX	Num	8	Total number of voxels in middle part of core section of right lung at residual volume (RV)
1334	RMC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of core section of right lung at residual volume (RV)
1335	RMC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of core section of right lung at residual volume (RV)
1336	RMC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1337	RMC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of core section of right lung at residual volume (RV)
1338	RMC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of core section of right lung at residual volume (RV)
1339	RMC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of core section of right lung at residual volume (RV)
1340	RMC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of core section of right lung at residual volume (RV)
1341	RMC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of core section of right lung at residual volume (RV)
1342	RMC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of core section of right lung at residual volume (RV)
1343	RMC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of core section of right lung at residual volume (RV)
1344	RMC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of core section of right lung at residual volume (RV)
1345	RMC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of core section of right lung at residual volume (RV)
1346	RMC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of core section of right lung at residual volume (RV)
1347	RMC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of core section of right lung at residual volume (RV)
1348	RMC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of core section of right lung at residual volume (RV)
1349	RMC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of core section of right lung at residual volume (RV)
1350	RMC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of core section of right lung at residual volume (RV)
1351	RMC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of core section of right lung at residual volume (RV)
1352	RMC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of core section of right lung at residual volume (RV)
1353	RMC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of core section of right lung at residual volume (RV)
1354	RMC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of core section of right lung at residual volume (RV)
1355	RMC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of core section of right lung at residual volume (RV)
1356	RMC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of core section of right lung at residual volume (RV)
1357	RMC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of core section of right lung at residual volume (RV)
1358	RMC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of core section of right lung at residual volume (RV)
1359	RMC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1360	RMC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of core section of right lung at residual volume (RV)
1361	RMC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of core section of right lung at residual volume (RV)
1362	RMC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of core section of right lung at residual volume (RV)
1363	RMC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of core section of right lung at residual volume (RV)
1364	RMC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of core section of right lung at residual volume (RV)
1365	RMC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of core section of right lung at residual volume (RV)
1366	RMC_MEAN	Num	8	Average pixel values within middle part of core section of right lung (HU) at residual volume (RV)
1367	RMC_MED	Num	8	Median pixel values within middle part of core section of right lung (HU) at residual volume (RV)
1368	RMC_VAR	Num	8	Variance of pixel values within middle part of core section of right lung at residual volume (RV)
1369	RMC_SD	Num	8	Standard deviation of pixel values within middle part of core section of right lung at residual volume (RV)
1370	RMC_SKEW	Num	8	Skewness of pixel values in middle part of core section of right lung at residual volume (RV)
1371	RMC_KURT	Num	8	Kurtosis of pixel values in middle part of core section of right lung at residual volume (RV)
1372	RMC_FWHM	Num	8	Full width, half max (HU) for middle part of core section of right lung at residual volume (RV)
1373	RMC_AIR_V	Num	8	Total volume of air in middle part of core section of right lung (milliliters) at residual volume (RV)
1374	RMC_TIS_V	Num	8	Total volume of tissue in middle part of core section of right lung (ml) at residual volume (RV)
1375	RMC_TOT_V	Num	8	Total volume of middle part of core section of right lung (ml) at residual volume (RV)
1376	RMC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of core section of right lung at residual volume (RV)
1377	RMC_A_SLP	Num	8	The slope of the line at the ankle for middle part of core section of right lung at residual volume (RV)
1378	RMC_A_INT	Num	8	The interecept of the line at the ankle for middle part of core section of right lung at residual volume (RV)
1379	RMC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of core section of right lung at residual volume (RV)
1380	RMC_K_SLP	Num	8	The slope of the line at the knee for middle part of core section of right lung at residual volume (RV)
1381	RMC_K_INT	Num	8	The intercept of the line at the knee for middle part of core section of right lung at residual volume (RV)
1382	RMC_C_CUTOFF_HU	Num	8	Middle part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema

Num	Variable	Type	Len	Label
1383	RMC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1384	RMC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of core section of right lung to emphysema voxels. at residual volume (RV)
1385	RMC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels. at residual volume (RV)
1386	RMC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1387	RMC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1388	RMC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1389	RMC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1390	RMC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at residual volume (RV)
1391	RMC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of core section of right lung at residual volume (RV)
1392	RMC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of core section of right lung at residual volume (RV)
1393	RMC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of core section of right lung at residual volume (RV)
1394	RMC_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of core section of right lung at residual volume (RV)
1395	RMC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of core section of right lung at residual volume (RV)
1396	RMP_TOT_VX	Num	8	Total number of voxels in middle part of peel section of right lung at residual volume (RV)
1397	RMP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1398	RMP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1399	RMP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1400	RMP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1401	RMP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1402	RMP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1403	RMP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1404	RMP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1405	RMP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for middle part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1406	RMP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1407	RMP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1408	RMP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1409	RMP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1410	RMP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1411	RMP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1412	RMP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1413	RMP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1414	RMP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1415	RMP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1416	RMP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1417	RMP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1418	RMP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1419	RMP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1420	RMP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1421	RMP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1422	RMP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1423	RMP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1424	RMP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1425	RMP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1426	RMP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1427	RMP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for middle part of peel section of right lung at residual volume (RV)
1428	RMP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for middle part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1429	RMP_MEAN	Num	8	Average pixel values within middle part of peel section of right lung (HU) at residual volume (RV)
1430	RMP_MED	Num	8	Median pixel values within middle part of peel section of right lung (HU) at residual volume (RV)
1431	RMP_VAR	Num	8	Variance of pixel values within middle part of peel section of right lung at residual volume (RV)
1432	RMP_SD	Num	8	Standard deviation of pixel values within middle part of peel section of right lung at residual volume (RV)
1433	RMP_SKEW	Num	8	Skewness of pixel values in middle part of peel section of right lung at residual volume (RV)
1434	RMP_KURT	Num	8	Kurtosis of pixel values in middle part of peel section of right lung at residual volume (RV)
1435	RMP_FWHM	Num	8	Full width, half max (HU) for middle part of peel section of right lung at residual volume (RV)
1436	RMP_AIR_V	Num	8	Total volume of air in middle part of peel section of right lung (milliliters) at residual volume (RV)
1437	RMP_TIS_V	Num	8	Total volume of tissue in middle part of peel section of right lung (ml) at residual volume (RV)
1438	RMP_TOT_V	Num	8	Total volume of middle part of peel section of right lung (ml) at residual volume (RV)
1439	RMP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of peel section of right lung at residual volume (RV)
1440	RMP_A_SLP	Num	8	The slope of the line at the ankle for middle part of peel section of right lung at residual volume (RV)
1441	RMP_A_INT	Num	8	The interecept of the line at the ankle for middle part of peel section of right lung at residual volume (RV)
1442	RMP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of peel section of right lung at residual volume (RV)
1443	RMP_K_SLP	Num	8	The slope of the line at the knee for middle part of peel section of right lung at residual volume (RV)
1444	RMP_K_INT	Num	8	The intercept of the line at the knee for middle part of peel section of right lung at residual volume (RV)
1445	RMP_C_CUTOFF_HU	Num	8	Middle part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1446	RMP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1447	RMP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of middle part of peel section of right lung to emphysema voxels. at residual volume (RV)
1448	RMP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels. at residual volume (RV)
1449	RMP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1450	RMP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1451	RMP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
1452	RMP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1453	RMP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at residual volume (RV)
1454	RMP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for middle part of peel section of right lung at residual volume (RV)
1455	RMP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for middle part of peel section of right lung at residual volume (RV)
1456	RMP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for middle part of peel section of right lung at residual volume (RV)
1457	RMP_VESSEL_VX	Num	8	Total number of vessel voxels in middle part of peel section of right lung at residual volume (RV)
1458	RMP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of peel section of right lung at residual volume (RV)
1459	RP_TOT_VX	Num	8	Total number of voxels in peel section of right lung at residual volume (RV)
1460	RP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for peel section of right lung at residual volume (RV)
1461	RP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of right lung at residual volume (RV)
1462	RP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for peel section of right lung at residual volume (RV)
1463	RP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for peel section of right lung at residual volume (RV)
1464	RP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for peel section of right lung at residual volume (RV)
1465	RP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for peel section of right lung at residual volume (RV)
1466	RP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for peel section of right lung at residual volume (RV)
1467	RP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for peel section of right lung at residual volume (RV)
1468	RP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for peel section of right lung at residual volume (RV)
1469	RP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for peel section of right lung at residual volume (RV)
1470	RP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for peel section of right lung at residual volume (RV)
1471	RP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for peel section of right lung at residual volume (RV)
1472	RP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for peel section of right lung at residual volume (RV)
1473	RP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for peel section of right lung at residual volume (RV)
1474	RP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for peel section of right lung at residual volume (RV)
1475	RP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1476	RP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for peel section of right lung at residual volume (RV)
1477	RP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for peel section of right lung at residual volume (RV)
1478	RP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for peel section of right lung at residual volume (RV)
1479	RP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for peel section of right lung at residual volume (RV)
1480	RP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for peel section of right lung at residual volume (RV)
1481	RP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for peel section of right lung at residual volume (RV)
1482	RP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for peel section of right lung at residual volume (RV)
1483	RP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for peel section of right lung at residual volume (RV)
1484	RP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for peel section of right lung at residual volume (RV)
1485	RP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for peel section of right lung at residual volume (RV)
1486	RP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for peel section of right lung at residual volume (RV)
1487	RP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for peel section of right lung at residual volume (RV)
1488	RP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for peel section of right lung at residual volume (RV)
1489	RP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for peel section of right lung at residual volume (RV)
1490	RP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for peel section of right lung at residual volume (RV)
1491	RP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for peel section of right lung at residual volume (RV)
1492	RP_MEAN	Num	8	Average pixel values within peel section of right lung (HU) at residual volume (RV)
1493	RP_MED	Num	8	Median pixel values within peel section of right lung (HU) at residual volume (RV)
1494	RP_VAR	Num	8	Variance of pixel values within peel section of right lung at residual volume (RV)
1495	RP_SD	Num	8	Standard deviation of pixel values within peel section of right lung at residual volume (RV)
1496	RP_SKEW	Num	8	Skewness of pixel values in peel section of right lung at residual volume (RV)
1497	RP_KURT	Num	8	Kurtosis of pixel values in peel section of right lung at residual volume (RV)
1498	RP_FWHM	Num	8	Full width, half max (HU) for peel section of right lung at residual volume (RV)
1499	RP_AIR_V	Num	8	Total volume of air in peel section of right lung (milliliters) at residual volume (RV)
1500	RP_TIS_V	Num	8	Total volume of tissue in peel section of right lung (ml) at residual volume (RV)
1501	RP_TOT_V	Num	8	Total volume of peel section of right lung (ml) at residual volume (RV)
1502	RP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1503	RP_A_SLP	Num	8	The slope of the line at the ankle for peel section of right lung at residual volume (RV)
1504	RP_A_INT	Num	8	The interecept of the line at the ankle for peel section of right lung at residual volume (RV)
1505	RP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of right lung at residual volume (RV)
1506	RP_K_SLP	Num	8	The slope of the line at the knee for peel section of right lung at residual volume (RV)
1507	RP_K_INT	Num	8	The intercept of the line at the knee for peel section of right lung at residual volume (RV)
1508	RP_C_CUTOFF_HU	Num	8	Peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at residual volume (RV)
1509	RP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1510	RP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of peel section of right lung to emphysema voxels. at residual volume (RV)
1511	RP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels. at residual volume (RV)
1512	RP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1513	RP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1514	RP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1515	RP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1516	RP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at residual volume (RV)
1517	RP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for peel section of right lung at residual volume (RV)
1518	RP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for peel section of right lung at residual volume (RV)
1519	RP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for peel section of right lung at residual volume (RV)
1520	RP_VESSEL_VX	Num	8	Total number of vessel voxels in peel section of right lung at residual volume (RV)
1521	RP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for peel section of right lung at residual volume (RV)
1522	RU_TOT_VX	Num	8	Total number of voxels in upper part of right lung at residual volume (RV)
1523	RU_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of right lung at residual volume (RV)
1524	RU_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of right lung at residual volume (RV)
1525	RU_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of right lung at residual volume (RV)
1526	RU_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of right lung at residual volume (RV)
1527	RU_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1528	RU_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of right lung at residual volume (RV)
1529	RU_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of right lung at residual volume (RV)
1530	RU_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of right lung at residual volume (RV)
1531	RU_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of right lung at residual volume (RV)
1532	RU_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of right lung at residual volume (RV)
1533	RU_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of right lung at residual volume (RV)
1534	RU_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of right lung at residual volume (RV)
1535	RU_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of right lung at residual volume (RV)
1536	RU_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of right lung at residual volume (RV)
1537	RU_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of right lung at residual volume (RV)
1538	RU_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of right lung at residual volume (RV)
1539	RU_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of right lung at residual volume (RV)
1540	RU_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of right lung at residual volume (RV)
1541	RU_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of right lung at residual volume (RV)
1542	RU_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of right lung at residual volume (RV)
1543	RU_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of right lung at residual volume (RV)
1544	RU_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of right lung at residual volume (RV)
1545	RU_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of right lung at residual volume (RV)
1546	RU_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of right lung at residual volume (RV)
1547	RU_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of right lung at residual volume (RV)
1548	RU_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of right lung at residual volume (RV)
1549	RU_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of right lung at residual volume (RV)
1550	RU_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1551	RU_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of right lung at residual volume (RV)
1552	RU_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of right lung at residual volume (RV)
1553	RU_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of right lung at residual volume (RV)
1554	RU_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of right lung at residual volume (RV)
1555	RU_MEAN	Num	8	Average pixel values within upper part of right lung (HU) at residual volume (RV)
1556	RU_MED	Num	8	Median pixel values within upper part of right lung (HU) at residual volume (RV)
1557	RU_VAR	Num	8	Variance of pixel values within upper part of right lung at residual volume (RV)
1558	RU_SD	Num	8	Standard deviation of pixel values within upper part of right lung at residual volume (RV)
1559	RU_SKEW	Num	8	Skewness of pixel values in upper part of right lung at residual volume (RV)
1560	RU_KURT	Num	8	Kurtosis of pixel values in upper part of right lung at residual volume (RV)
1561	RU_FWHM	Num	8	Full width, half max (HU) for upper part of right lung at residual volume (RV)
1562	RU_AIR_V	Num	8	Total volume of air in upper part of right lung (milliliters) at residual volume (RV)
1563	RU_TIS_V	Num	8	Total volume of tissue in upper part of right lung (ml) at residual volume (RV)
1564	RU_TOT_V	Num	8	Total volume of upper part of right lung (ml) at residual volume (RV)
1565	RU_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of right lung at residual volume (RV)
1566	RU_A_SLP	Num	8	The slope of the line at the ankle for upper part of right lung at residual volume (RV)
1567	RU_A_INT	Num	8	The interecept of the line at the ankle for upper part of right lung at residual volume (RV)
1568	RU_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of right lung at residual volume (RV)
1569	RU_K_SLP	Num	8	The slope of the line at the knee for upper part of right lung at residual volume (RV)
1570	RU_K_INT	Num	8	The intercept of the line at the knee for upper part of right lung at residual volume (RV)
1571	RU_C_CUTOFF_HU	Num	8	Upper part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1572	RU_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1573	RU_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of right lung to emphysema voxels. at residual volume (RV)
1574	RU_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels. at residual volume (RV)
1575	RU_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1576	RU_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1577	RU_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1578	RU_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)

Num	Variable	Type	Len	Label
1579	RU_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at residual volume (RV)
1580	RU_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of right lung at residual volume (RV)
1581	RU_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of right lung at residual volume (RV)
1582	RU_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of right lung at residual volume (RV)
1583	RU_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of right lung at residual volume (RV)
1584	RU_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of right lung at residual volume (RV)
1585	RUC_TOT_VX	Num	8	Total number of voxels in upper part of core section of right lung at residual volume (RV)
1586	RUC_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of core section of right lung at residual volume (RV)
1587	RUC_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of core section of right lung at residual volume (RV)
1588	RUC_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of core section of right lung at residual volume (RV)
1589	RUC_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of core section of right lung at residual volume (RV)
1590	RUC_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of core section of right lung at residual volume (RV)
1591	RUC_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of core section of right lung at residual volume (RV)
1592	RUC_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of core section of right lung at residual volume (RV)
1593	RUC_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of core section of right lung at residual volume (RV)
1594	RUC_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of core section of right lung at residual volume (RV)
1595	RUC_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of core section of right lung at residual volume (RV)
1596	RUC_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of core section of right lung at residual volume (RV)
1597	RUC_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of core section of right lung at residual volume (RV)
1598	RUC_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of core section of right lung at residual volume (RV)
1599	RUC_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of core section of right lung at residual volume (RV)
1600	RUC_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of core section of right lung at residual volume (RV)
1601	RUC_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of core section of right lung at residual volume (RV)
1602	RUC_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of core section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1603	RUC_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of core section of right lung at residual volume (RV)
1604	RUC_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of core section of right lung at residual volume (RV)
1605	RUC_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of core section of right lung at residual volume (RV)
1606	RUC_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of core section of right lung at residual volume (RV)
1607	RUC_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of core section of right lung at residual volume (RV)
1608	RUC_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of core section of right lung at residual volume (RV)
1609	RUC_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of core section of right lung at residual volume (RV)
1610	RUC_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of core section of right lung at residual volume (RV)
1611	RUC_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of core section of right lung at residual volume (RV)
1612	RUC_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of core section of right lung at residual volume (RV)
1613	RUC_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of core section of right lung at residual volume (RV)
1614	RUC_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of core section of right lung at residual volume (RV)
1615	RUC_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of core section of right lung at residual volume (RV)
1616	RUC_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of core section of right lung at residual volume (RV)
1617	RUC_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of core section of right lung at residual volume (RV)
1618	RUC_MEAN	Num	8	Average pixel values within upper part of core section of right lung (HU) at residual volume (RV)
1619	RUC_MED	Num	8	Median pixel values within upper part of core section of right lung (HU) at residual volume (RV)
1620	RUC_VAR	Num	8	Variance of pixel values within upper part of core section of right lung at residual volume (RV)
1621	RUC_SD	Num	8	Standard deviation of pixel values within upper part of core section of right lung at residual volume (RV)
1622	RUC_SKEW	Num	8	Skewness of pixel values in upper part of core section of right lung at residual volume (RV)
1623	RUC_KURT	Num	8	Kurtosis of pixel values in upper part of core section of right lung at residual volume (RV)
1624	RUC_FWHM	Num	8	Full width, half max (HU) for upper part of core section of right lung at residual volume (RV)
1625	RUC_AIR_V	Num	8	Total volume of air in upper part of core section of right lung (milliliters) at residual volume (RV)

Num	Variable	Type	Len	Label
1626	RUC_TIS_V	Num	8	Total volume of tissue in upper part of core section of right lung (ml) at residual volume (RV)
1627	RUC_TOT_V	Num	8	Total volume of upper part of core section of right lung (ml) at residual volume (RV)
1628	RUC_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of core section of right lung at residual volume (RV)
1629	RUC_A_SLP	Num	8	The slope of the line at the ankle for upper part of core section of right lung at residual volume (RV)
1630	RUC_A_INT	Num	8	The interecept of the line at the ankle for upper part of core section of right lung at residual volume (RV)
1631	RUC_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of core section of right lung at residual volume (RV)
1632	RUC_K_SLP	Num	8	The slope of the line at the knee for upper part of core section of right lung at residual volume (RV)
1633	RUC_K_INT	Num	8	The intercept of the line at the knee for upper part of core section of right lung at residual volume (RV)
1634	RUC_C_CUTOFF_HU	Num	8	Upper part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1635	RUC_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1636	RUC_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of core section of right lung to emphysema voxels. at residual volume (RV)
1637	RUC_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels. at residual volume (RV)
1638	RUC_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1639	RUC_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1640	RUC_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1641	RUC_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1642	RUC_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at residual volume (RV)
1643	RUC_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of core section of right lung at residual volume (RV)
1644	RUC_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of core section of right lung at residual volume (RV)
1645	RUC_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of core section of right lung at residual volume (RV)
1646	RUC_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of core section of right lung at residual volume (RV)
1647	RUC_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of core section of right lung at residual volume (RV)
1648	RUP_TOT_VX	Num	8	Total number of voxels in upper part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1649	RUP_BE_960	Num	8	Number of voxels below or equal to -960 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1650	RUP_BE_950	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1651	RUP_BE_940	Num	8	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1652	RUP_BE_930	Num	8	Number of voxels below or equal to -930 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1653	RUP_BE_920	Num	8	Number of voxels below or equal to -920 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1654	RUP_BE_910	Num	8	Number of voxels below or equal to -910 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1655	RUP_BE_900	Num	8	Number of voxels below or equal to -900 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1656	RUP_BE_890	Num	8	Number of voxels below or equal to -890 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1657	RUP_BE_870	Num	8	Number of voxels below or equal to -870 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1658	RUP_BE_856	Num	8	Number of voxels below or equal to -856 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1659	RUP_BE_850	Num	8	Number of voxels below or equal to -850 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1660	RUP_BE_830	Num	8	Number of voxels below or equal to -830 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1661	RUP_BE_810	Num	8	Number of voxels below or equal to -810 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1662	RUP_BE_660	Num	8	Number of voxels below or equal to -660 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1663	RUP_BE_640	Num	8	Number of voxels below or equal to -640 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1664	RUP_BE_620	Num	8	Number of voxels below or equal to -620 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1665	RUP_BE_600	Num	8	Number of voxels below or equal to -600 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1666	RUP_BE_550	Num	8	Number of voxels below or equal to -550 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1667	RUP_BE_500	Num	8	Number of voxels below or equal to -500 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1668	RUP_BE_450	Num	8	Number of voxels below or equal to -450 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1669	RUP_BE_400	Num	8	Number of voxels below or equal to -400 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1670	RUP_BE_350	Num	8	Number of voxels below or equal to -350 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1671	RUP_BE_300	Num	8	Number of voxels below or equal to -300 hounsfield units for upper part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1672	RUP_BE_250	Num	8	Number of voxels below or equal to -250 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1673	RUP_AE_50	Num	8	Number of voxels above or equal to -50 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1674	RUP_AE_100	Num	8	Number of voxels above or equal to -100 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1675	RUP_AE_150	Num	8	Number of voxels above or equal to -150 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1676	RUP_AE_200	Num	8	Number of voxels above or equal to -200 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1677	RUP_AE_250	Num	8	Number of voxels above or equal to -250 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1678	RUP_AE_400	Num	8	Number of voxels above or equal to -400 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1679	RUP_AE_500	Num	8	Number of voxels above or equal to -500 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1680	RUP_AE_600	Num	8	Number of voxels above or equal to -600 hounsfield units for upper part of peel section of right lung at residual volume (RV)
1681	RUP_MEAN	Num	8	Average pixel values within upper part of peel section of right lung (HU) at residual volume (RV)
1682	RUP_MED	Num	8	Median pixel values within upper part of peel section of right lung (HU) at residual volume (RV)
1683	RUP_VAR	Num	8	Variance of pixel values within upper part of peel section of right lung at residual volume (RV)
1684	RUP_SD	Num	8	Standard deviation of pixel values within upper part of peel section of right lung at residual volume (RV)
1685	RUP_SKEW	Num	8	Skewness of pixel values in upper part of peel section of right lung at residual volume (RV)
1686	RUP_KURT	Num	8	Kurtosis of pixel values in upper part of peel section of right lung at residual volume (RV)
1687	RUP_FWHM	Num	8	Full width, half max (HU) for upper part of peel section of right lung at residual volume (RV)
1688	RUP_AIR_V	Num	8	Total volume of air in upper part of peel section of right lung (milliliters) at residual volume (RV)
1689	RUP_TIS_V	Num	8	Total volume of tissue in upper part of peel section of right lung (ml) at residual volume (RV)
1690	RUP_TOT_V	Num	8	Total volume of upper part of peel section of right lung (ml) at residual volume (RV)
1691	RUP_ANKL	Num	8	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of peel section of right lung at residual volume (RV)
1692	RUP_A_SLP	Num	8	The slope of the line at the ankle for upper part of peel section of right lung at residual volume (RV)
1693	RUP_A_INT	Num	8	The interecept of the line at the ankle for upper part of peel section of right lung at residual volume (RV)
1694	RUP_KNEE	Num	8	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of peel section of right lung at residual volume (RV)

Num	Variable	Type	Len	Label
1695	RUP_K_SLP	Num	8	The slope of the line at the knee for upper part of peel section of right lung at residual volume (RV)
1696	RUP_K_INT	Num	8	The intercept of the line at the knee for upper part of peel section of right lung at residual volume (RV)
1697	RUP_C_CUTOFF_HU	Num	8	Upper part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1698	RUP_C_V_M	Num	8	Mean length of vectors drawn from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1699	RUP_C_V_SD	Num	8	Standard deviation of the length of vectors drawn from the centroid of upper part of peel section of right lung to emphysema voxels. at residual volume (RV)
1700	RUP_C_V_X_M	Num	8	The X component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels. at residual volume (RV)
1701	RUP_C_V_X_SD	Num	8	The X component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1702	RUP_C_V_Y_M	Num	8	The Y component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1703	RUP_C_V_Y_SD	Num	8	The Y component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1704	RUP_C_V_Z_M	Num	8	The Z component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1705	RUP_C_V_Z_SD	Num	8	The Z component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at residual volume (RV)
1706	RUP_HU10	Num	8	Value of the pixel that is at the 10th percentile of pixel values for upper part of peel section of right lung at residual volume (RV)
1707	RUP_HU15	Num	8	Value of the pixel that is at the 15th percentile of pixel values for upper part of peel section of right lung at residual volume (RV)
1708	RUP_HU20	Num	8	Value of the pixel that is at the 20th percentile of pixel values for upper part of peel section of right lung at residual volume (RV)
1709	RUP_VESSEL_VX	Num	8	Total number of vessel voxels in upper part of peel section of right lung at residual volume (RV)
1710	RUP_VESSEL_PERCENT	Num	8	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of peel section of right lung at residual volume (RV)
1711	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
1712	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
1713	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v2_ct_corepeeltlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	study visit
3	STUDY_TIME	Char	20	Time of scan - (0008,0030) StudyTime at Total Lung Capacity (TLC)
4	SERIES_NAME	Char	20	Series name - (0008,103e) SeriesDescription at Total Lung Capacity (TLC)
5	SERIES_TIME	Char	20	Time the series was reconstructed - (0008,0031) SeriesTime at Total Lung Capacity (TLC)
6	MANUFACTURER	Char	20	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	20	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	20	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	B_VXSIZE	Char	20	Volume of voxel in cubic millimeters in both lungs
10	B_TOTVX	Char	20	Total number of voxels in both lungs at Total Lung Capacity (TLC)
11	B_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for both lungs at Total Lung Capacity (TLC)
12	B_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for both lungs
13	B_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for both lungs at Total Lung Capacity (TLC)
14	B_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for both lungs
15	B_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for both lungs at Total Lung Capacity (TLC)
16	B_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for both lungs at Total Lung Capacity (TLC)
17	B_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for both lungs at Total Lung Capacity (TLC)
18	B_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for both lungs at Total Lung Capacity (TLC)
19	B_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for both lungs at Total Lung Capacity (TLC)
20	B_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for both lungs at Total Lung Capacity (TLC)
21	B_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for both lungs at Total Lung Capacity (TLC)
22	B_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for both lungs at Total Lung Capacity (TLC)
23	B_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for both lungs at Total Lung Capacity (TLC)
24	B_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for both lungs at Total Lung Capacity (TLC)
25	B_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for both lungs at Total Lung Capacity (TLC)
26	B_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
27	B_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for both lungs at Total Lung Capacity (TLC)
28	B_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for both lungs at Total Lung Capacity (TLC)
29	B_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for both lungs at Total Lung Capacity (TLC)
30	B_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for both lungs at Total Lung Capacity (TLC)
31	B_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for both lungs at Total Lung Capacity (TLC)
32	B_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for both lungs at Total Lung Capacity (TLC)
33	B_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for both lungs at Total Lung Capacity (TLC)
34	B_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for both lungs at Total Lung Capacity (TLC)
35	B_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for both lungs at Total Lung Capacity (TLC)
36	B_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for both lungs at Total Lung Capacity (TLC)
37	B_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for both lungs at Total Lung Capacity (TLC)
38	B_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for both lungs at Total Lung Capacity (TLC)
39	B_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for both lungs at Total Lung Capacity (TLC)
40	B_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for both lungs at Total Lung Capacity (TLC)
41	B_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for both lungs at Total Lung Capacity (TLC)
42	B_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for both lungs at Total Lung Capacity (TLC)
43	B_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for both lungs at Total Lung Capacity (TLC)
44	B_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for both lungs at Total Lung Capacity (TLC)
45	B_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for both lungs at Total Lung Capacity (TLC)
46	B_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for both lungs at Total Lung Capacity (TLC)
47	B_MEAN	Char	20	Average pixel values within both lungs (HU) at Total Lung Capacity (TLC)
48	B_MED	Char	20	Median pixel values within both lungs (HU) at Total Lung Capacity (TLC)
49	B_VAR	Char	20	Variance of pixel values within both lungs at Total Lung Capacity (TLC)
50	B_SDEV	Char	20	Standard deviation of pixel values within both lungs
51	B_ADEV	Char	20	Average deviation of pixel values within both lungs
52	B_SKEW	Char	20	Skewness of pixel values in both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
53	B_KURT	Char	20	Kurtosis of pixel values in both lungs at Total Lung Capacity (TLC)
54	B_FWHM	Char	20	Full width, half max (HU) for both lungs at Total Lung Capacity (TLC)
55	B_AIRV	Char	20	Total volume of air in both lungs (milliliters) at Total Lung Capacity (TLC)
56	B_TISV	Char	20	Total volume of tissue in both lungs (ml) at Total Lung Capacity (TLC)
57	B_TOTV	Char	20	Total volume of both lungs (ml) at Total Lung Capacity (TLC)
58	B_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for both lungs at Total Lung Capacity (TLC)
59	B_ASLP	Char	20	The slope of the line at the ankle for both lungs at Total Lung Capacity (TLC)
60	B_AINT	Char	20	The interecept of the line at the ankle for both lungs at Total Lung Capacity (TLC)
61	B_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for both lungs at Total Lung Capacity (TLC)
62	B_KSLP	Char	20	The slope of the line at the knee for both lungs at Total Lung Capacity (TLC)
63	B_KINT	Char	20	The intercept of the line at the knee for both lungs at Total Lung Capacity (TLC)
64	B_CCUTOFF	Char	20	Both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema
65	B_CVM	Char	20	Mean length of vectors drawn from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
66	B_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
67	B_CVXM	Char	20	The X component of the mean vector drawn from the centroid of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
68	B_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
69	B_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
70	B_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
71	B_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
72	B_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of both lungs to emphysema voxels at Total Lung Capacity (TLC)
73	B_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for both lungs at Total Lung Capacity (TLC)
74	B_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for both lungs at Total Lung Capacity (TLC)
75	B_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for both lungs at Total Lung Capacity (TLC)
76	B_AIRWAYVX	Char	20	Total number of airway voxels in both lungs
77	B_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the both lungs
78	B_VESSELVX	Char	20	Total number of vessel voxels in both lungs at Total Lung Capacity (TLC)
79	B_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for both lungs at Total Lung Capacity (TLC)
80	BC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of both lungs
81	BC_TOTVX	Char	20	Total number of voxels in core region of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
82	BC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
83	BC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section both lungs
84	BC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
85	BC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of both lungs
86	BC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
87	BC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
88	BC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
89	BC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
90	BC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
91	BC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
92	BC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
93	BC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
94	BC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
95	BC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
96	BC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
97	BC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
98	BC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
99	BC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
100	BC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
101	BC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
102	BC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
103	BC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
104	BC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
105	BC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
106	BC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
107	BC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
108	BC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
109	BC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
110	BC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
111	BC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
112	BC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
113	BC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
114	BC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
115	BC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
116	BC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
117	BC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for core section of both lungs at Total Lung Capacity (TLC)
118	BC_MEAN	Char	20	Average pixel values within core section of both lungs (HU) at Total Lung Capacity (TLC)
119	BC_MED	Char	20	Median pixel values within core region of both lungs (HU) at Total Lung Capacity (TLC)
120	BC_VAR	Char	20	Variance of pixel values within core region of both lungs at Total Lung Capacity (TLC)
121	BC_SDEV	Char	20	Standard deviation of pixel values within core section of both lungs
122	BC_ADEV	Char	20	Average deviation of pixel values within core section of both lungs
123	BC_SKEW	Char	20	Skewness of pixel values in core region of both lungs at Total Lung Capacity (TLC)
124	BC_KURT	Char	20	Kurtosis of pixel values in core section of both lungs at Total Lung Capacity (TLC)
125	BC_FWHM	Char	20	Full width, half max (HU) for core section of both lungs at Total Lung Capacity (TLC)
126	BC_AIRV	Char	20	Total volume of air in core section of both lungs (milliliters) at Total Lung Capacity (TLC)
127	BC_TISV	Char	20	Total volume of tissue in core region of both lungs (ml) at Total Lung Capacity (TLC)
128	BC_TOTV	Char	20	Total volume of core region of both lungs (ml) at Total Lung Capacity (TLC)
129	BC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of both lungs at Total Lung Capacity (TLC)
130	BC_ASLP	Char	20	The slope of the line at the ankle for core section of both lungs at Total Lung Capacity (TLC)
131	BC_AINT	Char	20	The interecept of the line at the ankle for core section of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
132	BC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of both lungs at Total Lung Capacity (TLC)
133	BC_KSLP	Char	20	The slope of the line at the knee for core section of both lungs at Total Lung Capacity (TLC)
134	BC_KINT	Char	20	The intercept of the line at the knee for core section of both lungs at Total Lung Capacity (TLC)
135	BC_CCUTOFF	Char	20	Core section of both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema
136	BC_CVM	Char	20	Mean length of vectors drawn from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
137	BC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the core section of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
138	BC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
139	BC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
140	BC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
141	BC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
142	BC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
143	BC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of the core section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
144	BC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for core section of both lungs at Total Lung Capacity (TLC)
145	BC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for core section of both lungs at Total Lung Capacity (TLC)
146	BC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for core section of both lungs at Total Lung Capacity (TLC)
147	BC_AIRWAYVX	Char	20	Total number of airway voxels in core section of both lungs
148	BC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of both lungs
149	BC_VESSELVX	Char	20	Total number of vessel voxels in core region of both lungs at Total Lung Capacity (TLC)
150	BC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for core region of both lungs at Total Lung Capacity (TLC)
151	BP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of both lungs
152	BP_TOTVX	Char	20	Total number of voxels in peel region of both lungs at Total Lung Capacity (TLC)
153	BP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
154	BP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of both lungs
155	BP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
156	BP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of both lungs

Num	Variable	Type	Len	Label
157	BP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
158	BP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
159	BP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
160	BP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
161	BP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
162	BP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
163	BP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
164	BP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
165	BP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
166	BP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
167	BP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
168	BP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
169	BP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
170	BP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
171	BP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
172	BP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
173	BP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
174	BP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
175	BP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
176	BP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
177	BP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
178	BP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
179	BP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
180	BP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
181	BP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
182	BP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
183	BP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
184	BP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
185	BP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
186	BP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
187	BP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
188	BP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for peel section of both lungs at Total Lung Capacity (TLC)
189	BP_MEAN	Char	20	Average pixel values within peel section of both lungs (HU) at Total Lung Capacity (TLC)
190	BP_MED	Char	20	Median pixel values within peel region of both lungs (HU) at Total Lung Capacity (TLC)
191	BP_VAR	Char	20	Variance of pixel values within peel region of both lungs at Total Lung Capacity (TLC)
192	BP_SDEV	Char	20	Standard deviation of pixel values within peel section of both lungs
193	BP_ADEV	Char	20	Average deviation of pixel values within peel section of both lungs
194	BP_SKEW	Char	20	Skewness of pixel values in peel region of both lungs at Total Lung Capacity (TLC)
195	BP_KURT	Char	20	Kurtosis of pixel values in peel section of both lungs at Total Lung Capacity (TLC)
196	BP_FWHM	Char	20	Full width, half max (HU) for peel section of both lungs at Total Lung Capacity (TLC)
197	BP_AIRV	Char	20	Total volume of air in peel section of both lungs (milliliters) at Total Lung Capacity (TLC)
198	BP_TISV	Char	20	Total volume of tissue in peel region of both lungs (ml) at Total Lung Capacity (TLC)
199	BP_TOTV	Char	20	Total volume of peel region of both lungs (ml) at Total Lung Capacity (TLC)
200	BP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of both lungs at Total Lung Capacity (TLC)
201	BP_ASLP	Char	20	The slope of the line at the ankle for peel section of both lungs at Total Lung Capacity (TLC)
202	BP_AINT	Char	20	The interecept of the line at the ankle for peel section of both lungs at Total Lung Capacity (TLC)
203	BP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of both lungs at Total Lung Capacity (TLC)
204	BP_KSLP	Char	20	The slope of the line at the knee for peel section of both lungs at Total Lung Capacity (TLC)
205	BP_KINT	Char	20	The intercept of the line at the knee for peel section of both lungs at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
206	BP_CCUTOFF	Char	20	Peel section of both lungs: definition of emphysema cutoff value (HU) values less than this are considered emphysema at Total Lung Capacity (TLC)
207	BP_CVM	Char	20	Mean length of vectors drawn from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
208	BP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the peel section of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
209	BP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels. at Total Lung Capacity (TLC)
210	BP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
211	BP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
212	BP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
213	BP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
214	BP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of the peel section of both lungs to emphysema voxels at Total Lung Capacity (TLC)
215	BP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for peel section of both lungs at Total Lung Capacity (TLC)
216	BP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for peel section of both lungs at Total Lung Capacity (TLC)
217	BP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for peel section of both lungs at Total Lung Capacity (TLC)
218	BP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of both lungs
219	BP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of both lungs
220	BP_VESSELVX	Char	20	Total number of vessel voxels in peel region of both lungs at Total Lung Capacity (TLC)
221	BP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for peel region of both lungs at Total Lung Capacity (TLC)
222	L_VXSIZE	Char	20	Volume of voxel in cubic millimeters in left lung
223	L_TOTVX	Char	20	Total number of voxels in left lung at Total Lung Capacity (TLC)
224	L_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for left lung at Total Lung Capacity (TLC)
225	L_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for left lung
226	L_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for left lung at Total Lung Capacity (TLC)
227	L_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for left lung
228	L_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for left lung at Total Lung Capacity (TLC)
229	L_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for left lung at Total Lung Capacity (TLC)
230	L_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for left lung at Total Lung Capacity (TLC)
231	L_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
232	L_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for left lung at Total Lung Capacity (TLC)
233	L_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for left lung at Total Lung Capacity (TLC)
234	L_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for left lung at Total Lung Capacity (TLC)
235	L_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for left lung at Total Lung Capacity (TLC)
236	L_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for left lung at Total Lung Capacity (TLC)
237	L_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for left lung at Total Lung Capacity (TLC)
238	L_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for left lung at Total Lung Capacity (TLC)
239	L_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for left lung at Total Lung Capacity (TLC)
240	L_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for left lung at Total Lung Capacity (TLC)
241	L_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for left lung at Total Lung Capacity (TLC)
242	L_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for left lung at Total Lung Capacity (TLC)
243	L_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for left lung at Total Lung Capacity (TLC)
244	L_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for left lung at Total Lung Capacity (TLC)
245	L_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for left lung at Total Lung Capacity (TLC)
246	L_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for left lung at Total Lung Capacity (TLC)
247	L_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for left lung at Total Lung Capacity (TLC)
248	L_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for left lung at Total Lung Capacity (TLC)
249	L_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for left lung at Total Lung Capacity (TLC)
250	L_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for left lung at Total Lung Capacity (TLC)
251	L_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for left lung at Total Lung Capacity (TLC)
252	L_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for left lung at Total Lung Capacity (TLC)
253	L_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for left lung at Total Lung Capacity (TLC)
254	L_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
255	L_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for left lung at Total Lung Capacity (TLC)
256	L_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for left lung at Total Lung Capacity (TLC)
257	L_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for left lung at Total Lung Capacity (TLC)
258	L_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for left lung at Total Lung Capacity (TLC)
259	L_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for left lung at Total Lung Capacity (TLC)
260	L_MEAN	Char	20	Average pixel values within left lung (HU) at Total Lung Capacity (TLC)
261	L_MED	Char	20	Median pixel values within left lung (HU) at Total Lung Capacity (TLC)
262	L_VAR	Char	20	Variance of pixel values within left lung at Total Lung Capacity (TLC)
263	L_SDEV	Char	20	Standard deviation of pixel values within left lung
264	L_ADEV	Char	20	Average deviation of pixel values within left lung
265	L_SKEW	Char	20	Skewness of pixel values in left lung at Total Lung Capacity (TLC)
266	L_KURT	Char	20	Kurtosis of pixel values in left lung at Total Lung Capacity (TLC)
267	L_FWHM	Char	20	Full width, half max (HU) for left lung at Total Lung Capacity (TLC)
268	L_AIRV	Char	20	Total volume of air in left lung (milliliters) at Total Lung Capacity (TLC)
269	L_TISV	Char	20	Total volume of tissue in left lung (ml) at Total Lung Capacity (TLC)
270	L_TOTV	Char	20	Total volume of left lung (ml) at Total Lung Capacity (TLC)
271	L_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for left lung at Total Lung Capacity (TLC)
272	L_ASLP	Char	20	The slope of the line at the ankle for left lung at Total Lung Capacity (TLC)
273	L_AINT	Char	20	The interecept of the line at the ankle for left lung at Total Lung Capacity (TLC)
274	L_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for left lung at Total Lung Capacity (TLC)
275	L_KSLP	Char	20	The slope of the line at the knee for left lung at Total Lung Capacity (TLC)
276	L_KINT	Char	20	The intercept of the line at the knee for left lung at Total Lung Capacity (TLC)
277	L_CCUTOFF	Char	20	Left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
278	L_CVM	Char	20	Mean length of vectors drawn from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
279	L_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of left lung to emphysema voxels. at Total Lung Capacity (TLC)
280	L_CVXM	Char	20	The X component of the mean vector drawn from the centroid of left lung to emphysema voxels. at Total Lung Capacity (TLC)
281	L_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
282	L_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
283	L_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
284	L_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
285	L_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of left lung to emphysema voxels at Total Lung Capacity (TLC)
286	L_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for left lung at Total Lung Capacity (TLC)
287	L_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for left lung at Total Lung Capacity (TLC)
288	L_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for left lung at Total Lung Capacity (TLC)
289	L_AIRWAYVX	Char	20	Total number of airway voxels in left lung
290	L_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the left lung
291	L_VESSELVX	Char	20	Total number of vessel voxels in left lung at Total Lung Capacity (TLC)
292	L_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for left lung at Total Lung Capacity (TLC)
293	LC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of left lung
294	LC_TOTVX	Char	20	Total number of voxels in core section of left lung at Total Lung Capacity (TLC)
295	LC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
296	LC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of left lung
297	LC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
298	LC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of left lung
299	LC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
300	LC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
301	LC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
302	LC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
303	LC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
304	LC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
305	LC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
306	LC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
307	LC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
308	LC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
309	LC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
310	LC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
311	LC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
312	LC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
313	LC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
314	LC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
315	LC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
316	LC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
317	LC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
318	LC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
319	LC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
320	LC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
321	LC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
322	LC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
323	LC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
324	LC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
325	LC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
326	LC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
327	LC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
328	LC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
329	LC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
330	LC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for core section of left lung at Total Lung Capacity (TLC)
331	LC_MEAN	Char	20	Average pixel values within core section of left lung (HU) at Total Lung Capacity (TLC)
332	LC_MED	Char	20	Median pixel values within of core section of left lung (HU) at Total Lung Capacity (TLC)
333	LC_VAR	Char	20	Variance of pixel values within core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
334	LC_SDEV	Char	20	Standard deviation of pixel values within core section of left lung
335	LC_ADEV	Char	20	Average deviation of pixel values within core section of left lung
336	LC_SKEW	Char	20	Skewness of pixel values in core section of left lung at Total Lung Capacity (TLC)
337	LC_KURT	Char	20	Kurtosis of pixel values in core section of left lung at Total Lung Capacity (TLC)
338	LC_FWHM	Char	20	Full width, half max (HU) for core section of left lung at Total Lung Capacity (TLC)
339	LC_AIRV	Char	20	Total volume of air in core section of left lung (milliliters) at Total Lung Capacity (TLC)
340	LC_TISV	Char	20	Total volume of tissue in core section of left lung (ml) at Total Lung Capacity (TLC)
341	LC_TOTV	Char	20	Total volume of core section of left lung (ml) at Total Lung Capacity (TLC)
342	LC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of left lung at Total Lung Capacity (TLC)
343	LC_ASLP	Char	20	The slope of the line at the ankle for core section of left lung at Total Lung Capacity (TLC)
344	LC_AINT	Char	20	The interecept of the line at the ankle for core section of left lung at Total Lung Capacity (TLC)
345	LC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of left lung at Total Lung Capacity (TLC)
346	LC_KSLP	Char	20	The slope of the line at the knee for core section of left lung at Total Lung Capacity (TLC)
347	LC_KINT	Char	20	The intercept of the line at the knee for core section of left lung at Total Lung Capacity (TLC)
348	LC_CCUTOFF	Char	20	Core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
349	LC_CVM	Char	20	Mean length of vectors drawn from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
350	LC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
351	LC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
352	LC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
353	LC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
354	LC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
355	LC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
356	LC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
357	LC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for core section of left lung at Total Lung Capacity (TLC)
358	LC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for core section of left lung at Total Lung Capacity (TLC)
359	LC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
360	LC_AIRWAYVX	Char	20	Total number of airway voxels in the core section of left lung
361	LC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of left lung
362	LC_VESSELVX	Char	20	Total number of vessel voxels in core section of left lung at Total Lung Capacity (TLC)
363	LC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) core section of left lung at Total Lung Capacity (TLC)
364	LP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of left lung
365	LP_TOTVX	Char	20	Total number of voxels in peel section of left lung at Total Lung Capacity (TLC)
366	LP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
367	LP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of left lung
368	LP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
369	LP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of left lung
370	LP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
371	LP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
372	LP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
373	LP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
374	LP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
375	LP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
376	LP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
377	LP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
378	LP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
379	LP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
380	LP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
381	LP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
382	LP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
383	LP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
384	LP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
385	LP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
386	LP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
387	LP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
388	LP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
389	LP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
390	LP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
391	LP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
392	LP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
393	LP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
394	LP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
395	LP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
396	LP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
397	LP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
398	LP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
399	LP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
400	LP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
401	LP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for peel section of left lung at Total Lung Capacity (TLC)
402	LP_MEAN	Char	20	Average pixel values within peel section of left lung (HU) at Total Lung Capacity (TLC)
403	LP_MED	Char	20	Median pixel values within peel section of left lung (HU) at Total Lung Capacity (TLC)
404	LP_VAR	Char	20	Variance of pixel values within peel section of left lung at Total Lung Capacity (TLC)
405	LP_SDEV	Char	20	Standard deviation of pixel values within peel section of left lung
406	LP_ADEV	Char	20	Average deviation of pixel values within peel section of left lung
407	LP_SKEW	Char	20	Skewness of pixel values in peel section of left lung at Total Lung Capacity (TLC)
408	LP_KURT	Char	20	Kurtosis of pixel values in peel section of left lung at Total Lung Capacity (TLC)
409	LP_FWHM	Char	20	Full width, half max (HU) for peel section of left lung at Total Lung Capacity (TLC)
410	LP_AIRV	Char	20	Total volume of air in peel section of left lung (milliliters) at Total Lung Capacity (TLC)
411	LP_TISV	Char	20	Total volume of tissue in peel section of left lung (ml) at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
412	LP_TOTV	Char	20	Total volume of peel section of left lung (ml) at Total Lung Capacity (TLC)
413	LP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of left lung at Total Lung Capacity (TLC)
414	LP_ASLP	Char	20	The slope of the line at the ankle for peel section of left lung at Total Lung Capacity (TLC)
415	LP_AINT	Char	20	The interecept of the line at the ankle for peel section of left lung at Total Lung Capacity (TLC)
416	LP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of left lung at Total Lung Capacity (TLC)
417	LP_KSLP	Char	20	The slope of the line at the knee for peel section of left lung at Total Lung Capacity (TLC)
418	LP_KINT	Char	20	The intercept of the line at the knee for peel section of left lung at Total Lung Capacity (TLC)
419	LP_CCUTOFF	Char	20	Peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at Total Lung Capacity (TLC)
420	LP_CVM	Char	20	Mean length of vectors drawn from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
421	LP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
422	LP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
423	LP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
424	LP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
425	LP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
426	LP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
427	LP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
428	LP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for peel section of left lung at Total Lung Capacity (TLC)
429	LP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for peel section of left lung at Total Lung Capacity (TLC)
430	LP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for peel section of left lung at Total Lung Capacity (TLC)
431	LP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of left lung
432	LP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of left lung
433	LP_VESSELVX	Char	20	Total number of vessel voxels in peel section of left lung at Total Lung Capacity (TLC)
434	LP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for peel section of left lung at Total Lung Capacity (TLC)
435	LU_VXSIZE	Char	20	Volume of voxel in cubic millimeters in upper left lung
436	LU_TOTVX	Char	20	Total number of voxels in upper part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
437	LU_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
438	LU_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper left lung
439	LU_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
440	LU_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper left lung
441	LU_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
442	LU_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
443	LU_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
444	LU_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
445	LU_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
446	LU_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
447	LU_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
448	LU_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
449	LU_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
450	LU_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
451	LU_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
452	LU_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
453	LU_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
454	LU_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
455	LU_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
456	LU_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
457	LU_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
458	LU_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
459	LU_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
460	LU_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
461	LU_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
462	LU_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
463	LU_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
464	LU_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
465	LU_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
466	LU_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
467	LU_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
468	LU_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
469	LU_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
470	LU_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
471	LU_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
472	LU_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of left lung at Total Lung Capacity (TLC)
473	LU_MEAN	Char	20	Average pixel values within upper part of left lung (HU) at Total Lung Capacity (TLC)
474	LU_MED	Char	20	Median pixel values within upper part of left lung (HU) at Total Lung Capacity (TLC)
475	LU_VAR	Char	20	Variance of pixel values within upper part of left lung at Total Lung Capacity (TLC)
476	LU_SDEV	Char	20	Standard deviation of pixel values within upper left lung
477	LU_ADEV	Char	20	Average deviation of pixel values within upper left lung
478	LU_SKEW	Char	20	Skewness of pixel values in upper part of left lung at Total Lung Capacity (TLC)
479	LU_KURT	Char	20	Kurtosis of pixel values in upper part of left lung at Total Lung Capacity (TLC)
480	LU_FWHM	Char	20	Full width, half max (HU) for upper part of left lung at Total Lung Capacity (TLC)
481	LU_AIRV	Char	20	Total volume of air in upper part of left lung (milliliters) at Total Lung Capacity (TLC)
482	LU_TISV	Char	20	Total volume of tissue in upper part of left lung (ml) at Total Lung Capacity (TLC)
483	LU_TOTV	Char	20	Total volume of upper part of left lung (ml) at Total Lung Capacity (TLC)
484	LU_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of left lung at Total Lung Capacity (TLC)
485	LU_ASLP	Char	20	The slope of the line at the ankle for upper part of left lung at Total Lung Capacity (TLC)
486	LU_AINT	Char	20	The interecept of the line at the ankle for upper part of left lung at Total Lung Capacity (TLC)
487	LU_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
488	LU_KSLP	Char	20	The slope of the line at the knee for upper part of left lung at Total Lung Capacity (TLC)
489	LU_KINT	Char	20	The intercept of the line at the knee for upper part of left lung at Total Lung Capacity (TLC)
490	LU_CCUTOFF	Char	20	Upper part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
491	LU_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
492	LU_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of left lung to emphysema voxels. at Total Lung Capacity (TLC)
493	LU_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels. at Total Lung Capacity (TLC)
494	LU_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
495	LU_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
496	LU_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
497	LU_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
498	LU_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of left lung to emphysema voxels at Total Lung Capacity (TLC)
499	LU_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of left lung at Total Lung Capacity (TLC)
500	LU_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of left lung at Total Lung Capacity (TLC)
501	LU_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of left lung at Total Lung Capacity (TLC)
502	LU_AIRWAYVX	Char	20	Total number of airway voxels in upper left lung
503	LU_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the upper left lung
504	LU_VESSELVX	Char	20	Total number of vessel voxels in upper part of left lung at Total Lung Capacity (TLC)
505	LU_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of left lung at Total Lung Capacity (TLC)
506	LUC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of upper left lung
507	LUC_TOTVX	Char	20	Total number of voxels in upper part of core section of left lung at Total Lung Capacity (TLC)
508	LUC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
509	LUC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of upper left lung
510	LUC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
511	LUC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of upper left lung
512	LUC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
513	LUC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
514	LUC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
515	LUC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
516	LUC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
517	LUC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
518	LUC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
519	LUC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
520	LUC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
521	LUC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
522	LUC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
523	LUC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
524	LUC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
525	LUC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
526	LUC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
527	LUC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
528	LUC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
529	LUC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
530	LUC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
531	LUC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
532	LUC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
533	LUC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
534	LUC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
535	LUC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
536	LUC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
537	LUC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
538	LUC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
539	LUC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
540	LUC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
541	LUC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
542	LUC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
543	LUC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of core section of left lung at Total Lung Capacity (TLC)
544	LUC_MEAN	Char	20	Average pixel values within upper part of core section of left lung (HU) at Total Lung Capacity (TLC)
545	LUC_MED	Char	20	Median pixel values within upper part of core section of left lung (HU) at Total Lung Capacity (TLC)
546	LUC_VAR	Char	20	Variance of pixel values within upper part of core section of left lung at Total Lung Capacity (TLC)
547	LUC_SDEV	Char	20	Standard deviation of pixel values within core section of upper left lung
548	LUC_ADEV	Char	20	Average deviation of pixel values within core section of upper left lung
549	LUC_SKEW	Char	20	Skewness of pixel values in upper part of core section of left lung at Total Lung Capacity (TLC)
550	LUC_KURT	Char	20	Kurtosis of pixel values in upper part of core section of left lung at Total Lung Capacity (TLC)
551	LUC_FWHM	Char	20	Full width, half max (HU) for upper part of core section of left lung at Total Lung Capacity (TLC)
552	LUC_AIRV	Char	20	Total volume of air in upper part of core section of left lung (milliliters) at Total Lung Capacity (TLC)
553	LUC_TISV	Char	20	Total volume of tissue in upper part of core section of left lung (ml) at Total Lung Capacity (TLC)
554	LUC_TOTV	Char	20	Total volume of upper part of core section of left lung (ml) at Total Lung Capacity (TLC)
555	LUC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of core section of left lung at Total Lung Capacity (TLC)
556	LUC_ASLP	Char	20	The slope of the line at the ankle for upper part of core section of left lung at Total Lung Capacity (TLC)
557	LUC_AINT	Char	20	The interecept of the line at the ankle for upper part of core section of left lung at Total Lung Capacity (TLC)
558	LUC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of core section of left lung at Total Lung Capacity (TLC)
559	LUC_KSLP	Char	20	The slope of the line at the knee for upper part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
560	LUC_KINT	Char	20	The intercept of the line at the knee for upper part of core section of left lung at Total Lung Capacity (TLC)
561	LUC_CCUTOFF	Char	20	Upper part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
562	LUC_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
563	LUC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
564	LUC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
565	LUC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
566	LUC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
567	LUC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
568	LUC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
569	LUC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
570	LUC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of core section of left lung at Total Lung Capacity (TLC)
571	LUC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of core section of left lung at Total Lung Capacity (TLC)
572	LUC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of core section of left lung at Total Lung Capacity (TLC)
573	LUC_AIRWAYVX	Char	20	Total number of airway voxels in core section of upper left lung
574	LUC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of upper left lung
575	LUC_VESSELVX	Char	20	Total number of vessel voxels in upper part of core section of left lung at Total Lung Capacity (TLC)
576	LUC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of core section of left lung at Total Lung Capacity (TLC)
577	LUP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of upper left lung
578	LUP_TOTVX	Char	20	Total number of voxels in upper part of peel section of left lung at Total Lung Capacity (TLC)
579	LUP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
580	LUP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of upper left lung
581	LUP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
582	LUP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of upper left lung
583	LUP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
584	LUP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
585	LUP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
586	LUP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
587	LUP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
588	LUP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
589	LUP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
590	LUP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
591	LUP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
592	LUP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
593	LUP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
594	LUP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
595	LUP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
596	LUP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
597	LUP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
598	LUP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
599	LUP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
600	LUP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
601	LUP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
602	LUP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
603	LUP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
604	LUP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
605	LUP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
606	LUP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
607	LUP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
608	LUP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
609	LUP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
610	LUP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
611	LUP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
612	LUP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
613	LUP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
614	LUP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of peel section of left lung at Total Lung Capacity (TLC)
615	LUP_MEAN	Char	20	Average pixel values within upper part of peel section of left lung (HU) at Total Lung Capacity (TLC)
616	LUP_MED	Char	20	Median pixel values within upper part of peel section of left lung (HU) at Total Lung Capacity (TLC)
617	LUP_VAR	Char	20	Variance of pixel values within upper part of peel section of left lung at Total Lung Capacity (TLC)
618	LUP_SDEV	Char	20	Standard deviation of pixel values within peel section of upper left lung
619	LUP_ADEV	Char	20	Average deviation of pixel values within peel section of upper left lung
620	LUP_SKEW	Char	20	Skewness of pixel values in upper part of peel section of left lung at Total Lung Capacity (TLC)
621	LUP_KURT	Char	20	Kurtosis of pixel values in upper part of peel section of left lung at Total Lung Capacity (TLC)
622	LUP_FWHM	Char	20	Full width, half max (HU) for upper part of peel section of left lung at Total Lung Capacity (TLC)
623	LUP_AIRV	Char	20	Total volume of air in upper part of peel section of left lung (milliliters) at Total Lung Capacity (TLC)
624	LUP_TISV	Char	20	Total volume of tissue in upper part of peel section of left lung (ml) at Total Lung Capacity (TLC)
625	LUP_TOTV	Char	20	Total volume of upper part of peel section of left lung (ml) at Total Lung Capacity (TLC)
626	LUP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of peel section of left lung at Total Lung Capacity (TLC)
627	LUP_ASLP	Char	20	The slope of the line at the ankle for upper part of peel section of left lung at Total Lung Capacity (TLC)
628	LUP_AINT	Char	20	The interecept of the line at the ankle for upper part of peel section of left lung at Total Lung Capacity (TLC)
629	LUP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of peel section of left lung at Total Lung Capacity (TLC)
630	LUP_KSLP	Char	20	The slope of the line at the knee for upper part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
631	LUP_KINT	Char	20	The intercept of the line at the knee for upper part of peel section of left lung at Total Lung Capacity (TLC)
632	LUP_CCUTOFF	Char	20	Upper part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
633	LUP_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
634	LUP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
635	LUP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
636	LUP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
637	LUP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
638	LUP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
639	LUP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
640	LUP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
641	LUP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of peel section of left lung at Total Lung Capacity (TLC)
642	LUP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of peel section of left lung at Total Lung Capacity (TLC)
643	LUP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of peel section of left lung at Total Lung Capacity (TLC)
644	LUP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of upper left lung
645	LUP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of upper left lung
646	LUP_VESSELVX	Char	20	Total number of vessel voxels in upper part of peel section of left lung at Total Lung Capacity (TLC)
647	LUP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of peel section of left lung at Total Lung Capacity (TLC)
648	LL_VXSIZE	Char	20	Volume of voxel in cubic millimeters in lower left lung
649	LL_TOTVX	Char	20	Total number of voxels in lower part of left lung at Total Lung Capacity (TLC)
650	LL_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
651	LL_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower left lung
652	LL_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
653	LL_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower left lung
654	LL_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
655	LL_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
656	LL_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
657	LL_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
658	LL_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
659	LL_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
660	LL_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
661	LL_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
662	LL_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
663	LL_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
664	LL_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
665	LL_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
666	LL_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
667	LL_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
668	LL_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
669	LL_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
670	LL_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
671	LL_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
672	LL_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
673	LL_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
674	LL_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
675	LL_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
676	LL_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
677	LL_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
678	LL_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
679	LL_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
680	LL_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
681	LL_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
682	LL_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
683	LL_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
684	LL_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
685	LL_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of left lung at Total Lung Capacity (TLC)
686	LL_MEAN	Char	20	Average pixel values within lower part of left lung (HU) at Total Lung Capacity (TLC)
687	LL_MED	Char	20	Median pixel values within lower part of left lung (HU) at Total Lung Capacity (TLC)
688	LL_VAR	Char	20	Variance of pixel values within lower part of left lung at Total Lung Capacity (TLC)
689	LL_SDEV	Char	20	Standard deviation of pixel values within lower left lung
690	LL_ADEV	Char	20	Average deviation of pixel values within lower left lung
691	LL_SKEW	Char	20	Skewness of pixel values in lower part of left lung at Total Lung Capacity (TLC)
692	LL_KURT	Char	20	Kurtosis of pixel values in lower part of left lung at Total Lung Capacity (TLC)
693	LL_FWHM	Char	20	Full width, half max (HU) for lower part of left lung at Total Lung Capacity (TLC)
694	LL_AIRV	Char	20	Total volume of air in lower part of left lung (milliliters) at Total Lung Capacity (TLC)
695	LL_TISV	Char	20	Total volume of tissue in lower part of left lung (ml) at Total Lung Capacity (TLC)
696	LL_TOTV	Char	20	Total volume of lower part of left lung (ml) at Total Lung Capacity (TLC)
697	LL_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of left lung at Total Lung Capacity (TLC)
698	LL_ASLP	Char	20	The slope of the line at the ankle for lower part of left lung at Total Lung Capacity (TLC)
699	LL_AINT	Char	20	The interecept of the line at the ankle for lower part of left lung at Total Lung Capacity (TLC)
700	LL_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of left lung at Total Lung Capacity (TLC)
701	LL_KSLP	Char	20	The slope of the line at the knee for lower part of left lung at Total Lung Capacity (TLC)
702	LL_KINT	Char	20	The intercept of the line at the knee for lower part of left lung at Total Lung Capacity (TLC)
703	LL_CCUTOFF	Char	20	Lower part of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
704	LL_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
705	LL_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of left lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
706	LL_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels. at Total Lung Capacity (TLC)
707	LL_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
708	LL_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
709	LL_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
710	LL_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
711	LL_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of left lung to emphysema voxels at Total Lung Capacity (TLC)
712	LL_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of left lung at Total Lung Capacity (TLC)
713	LL_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of left lung at Total Lung Capacity (TLC)
714	LL_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of left lung at Total Lung Capacity (TLC)
715	LL_AIRWAYVX	Char	20	Total number of airway voxels in lower left lung
716	LL_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the lower left lung
717	LL_VESSELVX	Char	20	Total number of vessel voxels in lower part of left lung at Total Lung Capacity (TLC)
718	LL_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of left lung at Total Lung Capacity (TLC)
719	LLC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of the lower left lung
720	LLC_TOTVX	Char	20	Total number of voxels in lower part of core section of left lung at Total Lung Capacity (TLC)
721	LLC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
722	LLC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of lower left lung
723	LLC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
724	LLC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of lower left lung
725	LLC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
726	LLC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
727	LLC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
728	LLC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
729	LLC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
730	LLC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
731	LLC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
732	LLC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
733	LLC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
734	LLC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
735	LLC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
736	LLC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
737	LLC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
738	LLC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
739	LLC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
740	LLC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
741	LLC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
742	LLC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
743	LLC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
744	LLC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
745	LLC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
746	LLC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
747	LLC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
748	LLC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
749	LLC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
750	LLC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
751	LLC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
752	LLC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
753	LLC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
754	LLC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
755	LLC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
756	LLC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of core section of left lung at Total Lung Capacity (TLC)
757	LLC_MEAN	Char	20	Average pixel values within lower part of core section of left lung (HU) at Total Lung Capacity (TLC)
758	LLC_MED	Char	20	Median pixel values within of lower part of core section of left lung (HU) at Total Lung Capacity (TLC)
759	LLC_VAR	Char	20	Variance of pixel values within lower part of core section of left lung at Total Lung Capacity (TLC)
760	LLC_SDEV	Char	20	Standard deviation of pixel values within core section of the lower left lung
761	LLC_ADEV	Char	20	Average deviation of pixel values within core section of the lower left lung
762	LLC_SKEW	Char	20	Skewness of pixel values in lower part of core section of left lung at Total Lung Capacity (TLC)
763	LLC_KURT	Char	20	Kurtosis of pixel values in lower part of core section of left lung at Total Lung Capacity (TLC)
764	LLC_FWHM	Char	20	Full width, half max (HU) for lower part of core section of left lung at Total Lung Capacity (TLC)
765	LLC_AIRV	Char	20	Total volume of air in lower part of core section of left lung (milliliters) at Total Lung Capacity (TLC)
766	LLC_TISV	Char	20	Total volume of tissue in lower part of core section of left lung (ml) at Total Lung Capacity (TLC)
767	LLC_TOTV	Char	20	Total volume of lower part of core section of left lung (ml) at Total Lung Capacity (TLC)
768	LLC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of core section of left lung at Total Lung Capacity (TLC)
769	LLC_ASLP	Char	20	The slope of the line at the ankle for lower part of core section of left lung at Total Lung Capacity (TLC)
770	LLC_AINT	Char	20	The interecept of the line at the ankle for lower part of core section of left lung at Total Lung Capacity (TLC)
771	LLC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of core section of left lung at Total Lung Capacity (TLC)
772	LLC_KSLP	Char	20	The slope of the line at the knee for lower part of core section of left lung at Total Lung Capacity (TLC)
773	LLC_KINT	Char	20	The intercept of the line at the knee for lower part of core section of left lung at Total Lung Capacity (TLC)
774	LLC_CCUTOFF	Char	20	Lower part of core section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
775	LLC_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
776	LLC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
777	LLC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
778	LLC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
779	LLC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
780	LLC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
781	LLC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
782	LLC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of core section of left lung to emphysema voxels at Total Lung Capacity (TLC)
783	LLC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of core section of left lung at Total Lung Capacity (TLC)
784	LLC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of core section of left lung at Total Lung Capacity (TLC)
785	LLC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of core section of left lung at Total Lung Capacity (TLC)
786	LLC_AIRWAYVX	Char	20	Total number of airway voxels in core section of the lower left lung
787	LLC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of the lower left lung
788	LLC_VESSELVX	Char	20	Total number of vessel voxels in lower part of core section of left lung at Total Lung Capacity (TLC)
789	LLC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) lower part of core section of left lung at Total Lung Capacity (TLC)
790	LLP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of the lower left lung
791	LLP_TOTVX	Char	20	Total number of voxels in lower part of peel section of left lung at Total Lung Capacity (TLC)
792	LLP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
793	LLP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of lower left lung
794	LLP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
795	LLP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of lower left lung
796	LLP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
797	LLP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
798	LLP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
799	LLP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
800	LLP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
801	LLP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
802	LLP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
803	LLP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
804	LLP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
805	LLP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
806	LLP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
807	LLP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
808	LLP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
809	LLP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
810	LLP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
811	LLP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
812	LLP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
813	LLP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
814	LLP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
815	LLP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
816	LLP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
817	LLP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
818	LLP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
819	LLP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
820	LLP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
821	LLP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
822	LLP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
823	LLP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
824	LLP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
825	LLP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
826	LLP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
827	LLP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of peel section of left lung at Total Lung Capacity (TLC)
828	LLP_MEAN	Char	20	Average pixel values within lower part of peel section of left lung (HU) at Total Lung Capacity (TLC)
829	LLP_MED	Char	20	Median pixel values within lower part of peel section of left lung (HU) at Total Lung Capacity (TLC)
830	LLP_VAR	Char	20	Variance of pixel values within lower part of peel section of left lung at Total Lung Capacity (TLC)
831	LLP_SDEV	Char	20	Standard deviation of pixel values within peel section of the lower left lung
832	LLP_ADEV	Char	20	Average deviation of pixel values within peel section of the lower left lung
833	LLP_SKEW	Char	20	Skewness of pixel values in lower part of peel section of left lung at Total Lung Capacity (TLC)
834	LLP_KURT	Char	20	Kurtosis of pixel values in lower part of peel section of left lung at Total Lung Capacity (TLC)
835	LLP_FWHM	Char	20	Full width, half max (HU) for lower part of peel section of left lung at Total Lung Capacity (TLC)
836	LLP_AIRV	Char	20	Total volume of air in lower part of peel section of left lung (milliliters) at Total Lung Capacity (TLC)
837	LLP_TISV	Char	20	Total volume of tissue in lower part of peel section of left lung (ml) at Total Lung Capacity (TLC)
838	LLP_TOTV	Char	20	Total volume of lower part of peel section of left lung (ml) at Total Lung Capacity (TLC)
839	LLP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of peel section of left lung at Total Lung Capacity (TLC)
840	LLP_ASLP	Char	20	The slope of the line at the ankle for lower part of peel section of left lung at Total Lung Capacity (TLC)
841	LLP_AINT	Char	20	The interecept of the line at the ankle for lower part of peel section of left lung at Total Lung Capacity (TLC)
842	LLP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of peel section of left lung at Total Lung Capacity (TLC)
843	LLP_KSLP	Char	20	The slope of the line at the knee for lower part of peel section of left lung at Total Lung Capacity (TLC)
844	LLP_KINT	Char	20	The intercept of the line at the knee for lower part of peel section of left lung at Total Lung Capacity (TLC)
845	LLP_CCUTOFF	Char	20	Lower part of peel section of left lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
846	LLP_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
847	LLP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)
848	LLP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
849	LLP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
850	LLP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
851	LLP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
852	LLP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
853	LLP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of peel section of left lung to emphysema voxels at Total Lung Capacity (TLC)
854	LLP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of peel section of left lung at Total Lung Capacity (TLC)
855	LLP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of peel section of left lung at Total Lung Capacity (TLC)
856	LLP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of peel section of left lung at Total Lung Capacity (TLC)
857	LLP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of the lower left lung
858	LLP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of the lower left lung
859	LLP_VESSELVX	Char	20	Total number of vessel voxels in lower part of peel section of left lung at Total Lung Capacity (TLC)
860	LLP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of peel section of left lung at Total Lung Capacity (TLC)
861	R_VXSIZE	Char	20	Volume of voxel in cubic millimeters in right lung
862	R_TOTVX	Char	20	Total number of voxels in right lung at Total Lung Capacity (TLC)
863	R_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for right lung at Total Lung Capacity (TLC)
864	R_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for right lung
865	R_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for right lung at Total Lung Capacity (TLC)
866	R_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for right lung
867	R_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for right lung at Total Lung Capacity (TLC)
868	R_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for right lung at Total Lung Capacity (TLC)
869	R_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for right lung at Total Lung Capacity (TLC)
870	R_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for right lung at Total Lung Capacity (TLC)
871	R_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for right lung at Total Lung Capacity (TLC)
872	R_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for right lung at Total Lung Capacity (TLC)
873	R_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
874	R_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for right lung at Total Lung Capacity (TLC)
875	R_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for right lung at Total Lung Capacity (TLC)
876	R_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for right lung at Total Lung Capacity (TLC)
877	R_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for right lung at Total Lung Capacity (TLC)
878	R_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for right lung at Total Lung Capacity (TLC)
879	R_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for right lung at Total Lung Capacity (TLC)
880	R_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for right lung at Total Lung Capacity (TLC)
881	R_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for right lung at Total Lung Capacity (TLC)
882	R_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for right lung at Total Lung Capacity (TLC)
883	R_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for right lung at Total Lung Capacity (TLC)
884	R_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for right lung at Total Lung Capacity (TLC)
885	R_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for right lung at Total Lung Capacity (TLC)
886	R_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for right lung at Total Lung Capacity (TLC)
887	R_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for right lung at Total Lung Capacity (TLC)
888	R_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for right lung at Total Lung Capacity (TLC)
889	R_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for right lung at Total Lung Capacity (TLC)
890	R_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for right lung at Total Lung Capacity (TLC)
891	R_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for right lung at Total Lung Capacity (TLC)
892	R_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for right lung at Total Lung Capacity (TLC)
893	R_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for right lung at Total Lung Capacity (TLC)
894	R_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for right lung at Total Lung Capacity (TLC)
895	R_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for right lung at Total Lung Capacity (TLC)
896	R_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
897	R_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for right lung at Total Lung Capacity (TLC)
898	R_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for right lung at Total Lung Capacity (TLC)
899	R_MEAN	Char	20	Average pixel values within right lung (HU) at Total Lung Capacity (TLC)
900	R_MED	Char	20	Median pixel values within right lung (HU) at Total Lung Capacity (TLC)
901	R_VAR	Char	20	Variance of pixel values within right lung at Total Lung Capacity (TLC)
902	R_SDEV	Char	20	Standard deviation of pixel values within right lung
903	R_ADEV	Char	20	Average deviation of pixel values within right lung
904	R_SKEW	Char	20	Skewness of pixel values in right lung at Total Lung Capacity (TLC)
905	R_KURT	Char	20	Kurtosis of pixel values in right lung at Total Lung Capacity (TLC)
906	R_FWHM	Char	20	Full width, half max (HU) for right lung at Total Lung Capacity (TLC)
907	R_AIRV	Char	20	Total volume of air in right lung (milliliters) at Total Lung Capacity (TLC)
908	R_TISV	Char	20	Total volume of tissue in right lung (ml) at Total Lung Capacity (TLC)
909	R_TOTV	Char	20	Total volume of right lung (ml) at Total Lung Capacity (TLC)
910	R_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for right lung at Total Lung Capacity (TLC)
911	R_ASLP	Char	20	The slope of the line at the ankle for right lung at Total Lung Capacity (TLC)
912	R_AINT	Char	20	The interecept of the line at the ankle for right lung at Total Lung Capacity (TLC)
913	R_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for right lung at Total Lung Capacity (TLC)
914	R_KSLP	Char	20	The slope of the line at the knee for right lung at Total Lung Capacity (TLC)
915	R_KINT	Char	20	The intercept of the line at the knee for right lung at Total Lung Capacity (TLC)
916	R_CCUTOFF	Char	20	Right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at Total Lung Capacity (TLC)
917	R_CVM	Char	20	Mean length of vectors drawn from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
918	R_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of right lung to emphysema voxels. at Total Lung Capacity (TLC)
919	R_CVXM	Char	20	The X component of the mean vector drawn from the centroid of right lung to emphysema voxels. at Total Lung Capacity (TLC)
920	R_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
921	R_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
922	R_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
923	R_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
924	R_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of right lung to emphysema voxels at Total Lung Capacity (TLC)
925	R_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
926	R_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for right lung at Total Lung Capacity (TLC)
927	R_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for right lung at Total Lung Capacity (TLC)
928	R_AIRWAYVX	Char	20	Total number of airway voxels in right lung
929	R_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in right lung
930	R_VESSELVX	Char	20	Total number of vessel voxels in right lung at Total Lung Capacity (TLC)
931	R_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for right lung at Total Lung Capacity (TLC)
932	RC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of right lung
933	RC_TOTVX	Char	20	Total number of voxels in core section of right lung at Total Lung Capacity (TLC)
934	RC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
935	RC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of right lung
936	RC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
937	RC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of right lung
938	RC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
939	RC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
940	RC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
941	RC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
942	RC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
943	RC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
944	RC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
945	RC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
946	RC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
947	RC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
948	RC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
949	RC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
950	RC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
951	RC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
952	RC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
953	RC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
954	RC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
955	RC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
956	RC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
957	RC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
958	RC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
959	RC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
960	RC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
961	RC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
962	RC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
963	RC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
964	RC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
965	RC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
966	RC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
967	RC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
968	RC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
969	RC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for core section of right lung at Total Lung Capacity (TLC)
970	RC_MEAN	Char	20	Average pixel values within core section of right lung (HU) at Total Lung Capacity (TLC)
971	RC_MED	Char	20	Median pixel values within core section of right lung (HU) at Total Lung Capacity (TLC)
972	RC_VAR	Char	20	Variance of pixel values within core section of right lung at Total Lung Capacity (TLC)
973	RC_SDEV	Char	20	Standard deviation of pixel values within core section of right lung
974	RC_ADEV	Char	20	Average deviation of pixel values within core section of right lung
975	RC_SKEW	Char	20	Skewness of pixel values in core section of right lung at Total Lung Capacity (TLC)
976	RC_KURT	Char	20	Kurtosis of pixel values in core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
977	RC_FWHM	Char	20	Full width, half max (HU) for core section of right lung at Total Lung Capacity (TLC)
978	RC_AIRV	Char	20	Total volume of air in core section of right lung (milliliters) at Total Lung Capacity (TLC)
979	RC_TISV	Char	20	Total volume of tissue in core section of right lung (ml) at Total Lung Capacity (TLC)
980	RC_TOTV	Char	20	Total volume of core section of right lung (ml) at Total Lung Capacity (TLC)
981	RC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for core section of right lung at Total Lung Capacity (TLC)
982	RC_ASLP	Char	20	The slope of the line at the ankle for core section of right lung at Total Lung Capacity (TLC)
983	RC_AINT	Char	20	The interecept of the line at the ankle for core section of right lung at Total Lung Capacity (TLC)
984	RC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for core section of right lung at Total Lung Capacity (TLC)
985	RC_KSLP	Char	20	The slope of the line at the knee for core section of right lung at Total Lung Capacity (TLC)
986	RC_KINT	Char	20	The intercept of the line at the knee for core section of right lung at Total Lung Capacity (TLC)
987	RC_CCUTOFF	Char	20	Core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
988	RC_CVM	Char	20	Mean length of vectors drawn from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
989	RC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
990	RC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
991	RC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
992	RC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
993	RC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
994	RC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
995	RC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
996	RC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for core section of right lung at Total Lung Capacity (TLC)
997	RC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for core section of right lung at Total Lung Capacity (TLC)
998	RC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for core section of right lung at Total Lung Capacity (TLC)
999	RC_AIRWAYVX	Char	20	Total number of airway voxels in core section of right lung
1000	RC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of right lung
1001	RC_VESSELVX	Char	20	Total number of vessel voxels in core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1002	RC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for core section of right lung at Total Lung Capacity (TLC)
1003	RP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of right lung
1004	RP_TOTVX	Char	20	Total number of voxels in peel section of right lung at Total Lung Capacity (TLC)
1005	RP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1006	RP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of right lung
1007	RP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1008	RP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of right lung
1009	RP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1010	RP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1011	RP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1012	RP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1013	RP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1014	RP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1015	RP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1016	RP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1017	RP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1018	RP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1019	RP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1020	RP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1021	RP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1022	RP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1023	RP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1024	RP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1025	RP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1026	RP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1027	RP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1028	RP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1029	RP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1030	RP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1031	RP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1032	RP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1033	RP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1034	RP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1035	RP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1036	RP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1037	RP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1038	RP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1039	RP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1040	RP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for peel section of right lung at Total Lung Capacity (TLC)
1041	RP_MEAN	Char	20	Average pixel values within peel section of right lung (HU) at Total Lung Capacity (TLC)
1042	RP_MED	Char	20	Median pixel values within peel section of right lung (HU) at Total Lung Capacity (TLC)
1043	RP_VAR	Char	20	Variance of pixel values within peel section of right lung at Total Lung Capacity (TLC)
1044	RP_SDEV	Char	20	Standard deviation of pixel values within peel section of right lung
1045	RP_ADEV	Char	20	Average deviation of pixel values within peel section of right lung
1046	RP_SKEW	Char	20	Skewness of pixel values in peel section of right lung at Total Lung Capacity (TLC)
1047	RP_KURT	Char	20	Kurtosis of pixel values in peel section of right lung at Total Lung Capacity (TLC)
1048	RP_FWHM	Char	20	Full width, half max (HU) for peel section of right lung at Total Lung Capacity (TLC)
1049	RP_AIRV	Char	20	Total volume of air in peel section of right lung (milliliters) at Total Lung Capacity (TLC)
1050	RP_TISV	Char	20	Total volume of tissue in peel section of right lung (ml) at Total Lung Capacity (TLC)
1051	RP_TOTV	Char	20	Total volume of peel section of right lung (ml) at Total Lung Capacity (TLC)
1052	RP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1053	RP_ASLP	Char	20	The slope of the line at the ankle for peel section of right lung at Total Lung Capacity (TLC)
1054	RP_AINT	Char	20	The interecept of the line at the ankle for peel section of right lung at Total Lung Capacity (TLC)
1055	RP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for peel section of right lung at Total Lung Capacity (TLC)
1056	RP_KSLP	Char	20	The slope of the line at the knee for peel section of right lung at Total Lung Capacity (TLC)
1057	RP_KINT	Char	20	The intercept of the line at the knee for peel section of right lung at Total Lung Capacity (TLC)
1058	RP_CCUTOFF	Char	20	Peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema at Total Lung Capacity (TLC)
1059	RP_CVM	Char	20	Mean length of vectors drawn from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1060	RP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1061	RP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1062	RP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1063	RP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1064	RP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1065	RP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1066	RP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1067	RP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for peel section of right lung at Total Lung Capacity (TLC)
1068	RP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for peel section of right lung at Total Lung Capacity (TLC)
1069	RP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for peel section of right lung at Total Lung Capacity (TLC)
1070	RP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of right lung
1071	RP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in peel section of right lung
1072	RP_VESSELVX	Char	20	Total number of vessel voxels in peel section of right lung at Total Lung Capacity (TLC)
1073	RP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for peel section of right lung at Total Lung Capacity (TLC)
1074	RU_VXSIZE	Char	20	Volume of voxel in cubic millimeters in upper right lung
1075	RU_TOTVX	Char	20	Total number of voxels in upper part of right lung at Total Lung Capacity (TLC)
1076	RU_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1077	RU_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper right lung

Num	Variable	Type	Len	Label
1078	RU_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1079	RU_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper right lung
1080	RU_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1081	RU_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1082	RU_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1083	RU_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1084	RU_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1085	RU_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1086	RU_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1087	RU_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1088	RU_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1089	RU_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1090	RU_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1091	RU_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1092	RU_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1093	RU_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1094	RU_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1095	RU_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1096	RU_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1097	RU_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1098	RU_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1099	RU_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1100	RU_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1101	RU_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1102	RU_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1103	RU_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1104	RU_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1105	RU_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1106	RU_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1107	RU_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1108	RU_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1109	RU_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1110	RU_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1111	RU_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of right lung at Total Lung Capacity (TLC)
1112	RU_MEAN	Char	20	Average pixel values within upper part of right lung (HU) at Total Lung Capacity (TLC)
1113	RU_MED	Char	20	Median pixel values within upper part of right lung (HU) at Total Lung Capacity (TLC)
1114	RU_VAR	Char	20	Variance of pixel values within upper part of right lung at Total Lung Capacity (TLC)
1115	RU_SDEV	Char	20	Standard deviation of pixel values within upper right lung
1116	RU_ADEV	Char	20	Average deviation of pixel values within upper right lung
1117	RU_SKEW	Char	20	Skewness of pixel values in upper part of right lung at Total Lung Capacity (TLC)
1118	RU_KURT	Char	20	Kurtosis of pixel values in upper part of right lung at Total Lung Capacity (TLC)
1119	RU_FWHM	Char	20	Full width, half max (HU) for upper part of right lung at Total Lung Capacity (TLC)
1120	RU_AIRV	Char	20	Total volume of air in upper part of right lung (milliliters) at Total Lung Capacity (TLC)
1121	RU_TISV	Char	20	Total volume of tissue in upper part of right lung (ml) at Total Lung Capacity (TLC)
1122	RU_TOTV	Char	20	Total volume of upper part of right lung (ml) at Total Lung Capacity (TLC)
1123	RU_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of right lung at Total Lung Capacity (TLC)
1124	RU_ASLP	Char	20	The slope of the line at the ankle for upper part of right lung at Total Lung Capacity (TLC)
1125	RU_AINT	Char	20	The interecept of the line at the ankle for upper part of right lung at Total Lung Capacity (TLC)
1126	RU_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of right lung at Total Lung Capacity (TLC)
1127	RU_KSLP	Char	20	The slope of the line at the knee for upper part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1128	RU_KINT	Char	20	The intercept of the line at the knee for upper part of right lung at Total Lung Capacity (TLC)
1129	RU_CCUTOFF	Char	20	Upper part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1130	RU_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1131	RU_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1132	RU_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1133	RU_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1134	RU_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1135	RU_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1136	RU_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1137	RU_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1138	RU_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of right lung at Total Lung Capacity (TLC)
1139	RU_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of right lung at Total Lung Capacity (TLC)
1140	RU_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of right lung at Total Lung Capacity (TLC)
1141	RU_AIRWAYVX	Char	20	Total number of airway voxels in upper right lung
1142	RU_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in upper right lung
1143	RU_VESSELVX	Char	20	Total number of vessel voxels in upper part of right lung at Total Lung Capacity (TLC)
1144	RU_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of right lung at Total Lung Capacity (TLC)
1145	RUC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of upper right lung
1146	RUC_TOTVX	Char	20	Total number of voxels in upper part of core section of right lung at Total Lung Capacity (TLC)
1147	RUC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for core section of upper right lung
1148	RUC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of upper right lung
1149	RUC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1150	RUC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of upper right lung
1151	RUC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1152	RUC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1153	RUC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1154	RUC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1155	RUC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1156	RUC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1157	RUC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1158	RUC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1159	RUC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1160	RUC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1161	RUC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1162	RUC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1163	RUC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1164	RUC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1165	RUC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1166	RUC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1167	RUC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1168	RUC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1169	RUC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1170	RUC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1171	RUC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1172	RUC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1173	RUC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1174	RUC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1175	RUC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1176	RUC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1177	RUC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1178	RUC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1179	RUC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1180	RUC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1181	RUC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1182	RUC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of core section of right lung at Total Lung Capacity (TLC)
1183	RUC_MEAN	Char	20	Average pixel values within upper part of core section of right lung (HU) at Total Lung Capacity (TLC)
1184	RUC_MED	Char	20	Median pixel values within upper part of core section of right lung (HU) at Total Lung Capacity (TLC)
1185	RUC_VAR	Char	20	Variance of pixel values within upper part of core section of right lung at Total Lung Capacity (TLC)
1186	RUC_SDEV	Char	20	Standard deviation of pixel values within core section of upper right lung
1187	RUC_ADEV	Char	20	Average deviation of pixel values within core section of upper right lung
1188	RUC_SKEW	Char	20	Skewness of pixel values in upper part of core section of right lung at Total Lung Capacity (TLC)
1189	RUC_KURT	Char	20	Kurtosis of pixel values in upper part of core section of right lung at Total Lung Capacity (TLC)
1190	RUC_FWHM	Char	20	Full width, half max (HU) for upper part of core section of right lung at Total Lung Capacity (TLC)
1191	RUC_AIRV	Char	20	Total volume of air in upper part of core section of right lung (milliliters) at Total Lung Capacity (TLC)
1192	RUC_TISV	Char	20	Total volume of tissue in upper part of core section of right lung (ml) at Total Lung Capacity (TLC)
1193	RUC_TOTV	Char	20	Total volume of upper part of core section of right lung (ml) at Total Lung Capacity (TLC)
1194	RUC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of core section of right lung at Total Lung Capacity (TLC)
1195	RUC_ASLP	Char	20	The slope of the line at the ankle for upper part of core section of right lung at Total Lung Capacity (TLC)
1196	RUC_AINT	Char	20	The interecept of the line at the ankle for upper part of core section of right lung at Total Lung Capacity (TLC)
1197	RUC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of core section of right lung at Total Lung Capacity (TLC)
1198	RUC_KSLP	Char	20	The slope of the line at the knee for upper part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1199	RUC_KINT	Char	20	The intercept of the line at the knee for upper part of core section of right lung at Total Lung Capacity (TLC)
1200	RUC_CCUTOFF	Char	20	Upper part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1201	RUC_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1202	RUC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1203	RUC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1204	RUC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1205	RUC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1206	RUC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1207	RUC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1208	RUC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1209	RUC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of core section of right lung at Total Lung Capacity (TLC)
1210	RUC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of core section of right lung at Total Lung Capacity (TLC)
1211	RUC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of core section of right lung at Total Lung Capacity (TLC)
1212	RUC_AIRWAYVX	Char	20	Total number of airway voxels in core section of upper right lung
1213	RUC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in core section of upper right lung
1214	RUC_VESSELVX	Char	20	Total number of vessel voxels in upper part of core section of right lung at Total Lung Capacity (TLC)
1215	RUC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of core section of right lung at Total Lung Capacity (TLC)
1216	RUP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in upper section of upper right lung
1217	RUP_TOTVX	Char	20	Total number of voxels in upper part of peel section of right lung at Total Lung Capacity (TLC)
1218	RUP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1219	RUP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of upper right lung
1220	RUP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1221	RUP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of upper right lung
1222	RUP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1223	RUP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1224	RUP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1225	RUP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1226	RUP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1227	RUP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1228	RUP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1229	RUP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1230	RUP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1231	RUP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1232	RUP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1233	RUP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1234	RUP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1235	RUP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1236	RUP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1237	RUP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1238	RUP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1239	RUP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1240	RUP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1241	RUP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1242	RUP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1243	RUP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1244	RUP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1245	RUP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1246	RUP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1247	RUP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1248	RUP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1249	RUP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1250	RUP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1251	RUP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1252	RUP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1253	RUP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for upper part of peel section of right lung at Total Lung Capacity (TLC)
1254	RUP_MEAN	Char	20	Average pixel values within upper part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1255	RUP_MED	Char	20	Median pixel values within upper part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1256	RUP_VAR	Char	20	Variance of pixel values within upper part of peel section of right lung at Total Lung Capacity (TLC)
1257	RUP_SDEV	Char	20	Standard deviation of pixel values within upper section of upper right lung
1258	RUP_ADEV	Char	20	Average deviation of pixel values within peel section of upper right lung
1259	RUP_SKEW	Char	20	Skewness of pixel values in upper part of peel section of right lung at Total Lung Capacity (TLC)
1260	RUP_KURT	Char	20	Kurtosis of pixel values in upper part of peel section of right lung at Total Lung Capacity (TLC)
1261	RUP_FWHM	Char	20	Full width, half max (HU) for upper part of peel section of right lung at Total Lung Capacity (TLC)
1262	RUP_AIRV	Char	20	Total volume of air in upper part of peel section of right lung (milliliters) at Total Lung Capacity (TLC)
1263	RUP_TISV	Char	20	Total volume of tissue in upper part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1264	RUP_TOTV	Char	20	Total volume of upper part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1265	RUP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper part of peel section of right lung at Total Lung Capacity (TLC)
1266	RUP_ASLP	Char	20	The slope of the line at the ankle for upper part of peel section of right lung at Total Lung Capacity (TLC)
1267	RUP_AINT	Char	20	The interecept of the line at the ankle for upper part of peel section of right lung at Total Lung Capacity (TLC)
1268	RUP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper part of peel section of right lung at Total Lung Capacity (TLC)
1269	RUP_KSLP	Char	20	The slope of the line at the knee for upper part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1270	RUP_KINT	Char	20	The intercept of the line at the knee for upper part of peel section of right lung at Total Lung Capacity (TLC)
1271	RUP_CCUTOFF	Char	20	Upper part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1272	RUP_CVM	Char	20	Mean length of vectors drawn from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1273	RUP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of upper part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1274	RUP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1275	RUP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1276	RUP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1277	RUP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1278	RUP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1279	RUP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1280	RUP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper part of peel section of right lung at Total Lung Capacity (TLC)
1281	RUP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper part of peel section of right lung at Total Lung Capacity (TLC)
1282	RUP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper part of peel section of right lung at Total Lung Capacity (TLC)
1283	RUP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of upper right lung
1284	RUP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in peel section of upper right lung
1285	RUP_VESSELVX	Char	20	Total number of vessel voxels in upper part of peel section of right lung at Total Lung Capacity (TLC)
1286	RUP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper part of peel section of right lung at Total Lung Capacity (TLC)
1287	RM_VXSIZE	Char	20	Volume of voxel in cubic millimeters in middle right lung
1288	RM_TOTVX	Char	20	Total number of voxels in middle part of right lung at Total Lung Capacity (TLC)
1289	RM_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1290	RM_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle right lung
1291	RM_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1292	RM_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle right lung
1293	RM_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1294	RM_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1295	RM_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1296	RM_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1297	RM_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1298	RM_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1299	RM_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1300	RM_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1301	RM_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1302	RM_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1303	RM_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1304	RM_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1305	RM_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1306	RM_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1307	RM_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1308	RM_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1309	RM_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1310	RM_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1311	RM_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1312	RM_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1313	RM_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1314	RM_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1315	RM_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1316	RM_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1317	RM_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1318	RM_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1319	RM_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1320	RM_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1321	RM_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1322	RM_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1323	RM_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1324	RM_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for middle part of right lung at Total Lung Capacity (TLC)
1325	RM_MEAN	Char	20	Average pixel values within middle part of right lung (HU) at Total Lung Capacity (TLC)
1326	RM_MED	Char	20	Median pixel values within middle part of right lung (HU) at Total Lung Capacity (TLC)
1327	RM_VAR	Char	20	Variance of pixel values within middle part of right lung at Total Lung Capacity (TLC)
1328	RM_SDEV	Char	20	Standard deviation of pixel values within middle right lung
1329	RM_ADEV	Char	20	Average deviation of pixel values within middle right lung
1330	RM_SKEW	Char	20	Skewness of pixel values in middle part of right lung at Total Lung Capacity (TLC)
1331	RM_KURT	Char	20	Kurtosis of pixel values in middle part of right lung at Total Lung Capacity (TLC)
1332	RM_FWHM	Char	20	Full width, half max (HU) for middle part of right lung at Total Lung Capacity (TLC)
1333	RM_AIRV	Char	20	Total volume of air in middle part of right lung (milliliters) at Total Lung Capacity (TLC)
1334	RM_TISV	Char	20	Total volume of tissue in middle part of right lung (ml) at Total Lung Capacity (TLC)
1335	RM_TOTV	Char	20	Total volume of middle part of right lung (ml) at Total Lung Capacity (TLC)
1336	RM_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of right lung at Total Lung Capacity (TLC)
1337	RM_ASLP	Char	20	The slope of the line at the ankle for middle part of right lung at Total Lung Capacity (TLC)
1338	RM_AINT	Char	20	The interecept of the line at the ankle for middle part of right lung at Total Lung Capacity (TLC)
1339	RM_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of right lung at Total Lung Capacity (TLC)
1340	RM_KSLP	Char	20	The slope of the line at the knee for middle part of right lung at Total Lung Capacity (TLC)
1341	RM_KINT	Char	20	The intercept of the line at the knee for middle part of right lung at Total Lung Capacity (TLC)
1342	RM_CCUTOFF	Char	20	Middle part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1343	RM_CVM	Char	20	Mean length of vectors drawn from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1344	RM_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of middle part of right lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1345	RM_CVXM	Char	20	The X component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1346	RM_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1347	RM_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1348	RM_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1349	RM_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1350	RM_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1351	RM_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle part of right lung at Total Lung Capacity (TLC)
1352	RM_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle part of right lung at Total Lung Capacity (TLC)
1353	RM_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle part of right lung at Total Lung Capacity (TLC)
1354	RM_AIRWAYVX	Char	20	Total number of airway voxels in middle right lung
1355	RM_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in middle right lung
1356	RM_VESSELVX	Char	20	Total number of vessel voxels in middle part of right lung at Total Lung Capacity (TLC)
1357	RM_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of right lung at Total Lung Capacity (TLC)
1358	RMC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of middle right lung
1359	RMC_TOTVX	Char	20	Total number of voxels in middle part of core section of right lung at Total Lung Capacity (TLC)
1360	RMC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1361	RMC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of middle right lung
1362	RMC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1363	RMC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of middle right lung
1364	RMC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1365	RMC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1366	RMC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1367	RMC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1368	RMC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1369	RMC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1370	RMC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1371	RMC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1372	RMC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1373	RMC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1374	RMC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1375	RMC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1376	RMC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1377	RMC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1378	RMC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1379	RMC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1380	RMC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1381	RMC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1382	RMC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1383	RMC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1384	RMC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1385	RMC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1386	RMC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1387	RMC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1388	RMC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1389	RMC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1390	RMC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1391	RMC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1392	RMC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1393	RMC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1394	RMC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1395	RMC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for middle part of core section of right lung at Total Lung Capacity (TLC)
1396	RMC_MEAN	Char	20	Average pixel values within middle part of core section of right lung (HU) at Total Lung Capacity (TLC)
1397	RMC_MED	Char	20	Median pixel values within middle part of core section of right lung (HU) at Total Lung Capacity (TLC)
1398	RMC_VAR	Char	20	Variance of pixel values within middle part of core section of right lung at Total Lung Capacity (TLC)
1399	RMC_SDEV	Char	20	Standard deviation of pixel values within core section of middle right lung
1400	RMC_ADEV	Char	20	Average deviation of pixel values within core section of middle right lung
1401	RMC_SKEW	Char	20	Skewness of pixel values in middle part of core section of right lung at Total Lung Capacity (TLC)
1402	RMC_KURT	Char	20	Kurtosis of pixel values in middle part of core section of right lung at Total Lung Capacity (TLC)
1403	RMC_FWHM	Char	20	Full width, half max (HU) for middle part of core section of right lung at Total Lung Capacity (TLC)
1404	RMC_AIRV	Char	20	Total volume of air in middle part of core section of right lung (milliliters) at Total Lung Capacity (TLC)
1405	RMC_TISV	Char	20	Total volume of tissue in middle part of core section of right lung (ml) at Total Lung Capacity (TLC)
1406	RMC_TOTV	Char	20	Total volume of middle part of core section of right lung (ml) at Total Lung Capacity (TLC)
1407	RMC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of core section of right lung at Total Lung Capacity (TLC)
1408	RMC_ASLP	Char	20	The slope of the line at the ankle for middle part of core section of right lung at Total Lung Capacity (TLC)
1409	RMC_AINT	Char	20	The interecept of the line at the ankle for middle part of core section of right lung at Total Lung Capacity (TLC)
1410	RMC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of core section of right lung at Total Lung Capacity (TLC)
1411	RMC_KSLP	Char	20	The slope of the line at the knee for middle part of core section of right lung at Total Lung Capacity (TLC)
1412	RMC_KINT	Char	20	The intercept of the line at the knee for middle part of core section of right lung at Total Lung Capacity (TLC)
1413	RMC_CCUTOFF	Char	20	Middle part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1414	RMC_CVM	Char	20	Mean length of vectors drawn from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1415	RMC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of middle part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1416	RMC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1417	RMC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1418	RMC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1419	RMC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1420	RMC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1421	RMC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1422	RMC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle part of core section of right lung at Total Lung Capacity (TLC)
1423	RMC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle part of core section of right lung at Total Lung Capacity (TLC)
1424	RMC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle part of core section of right lung at Total Lung Capacity (TLC)
1425	RMC_AIRWAYVX	Char	20	Total number of airway voxels in core section of middle right lung
1426	RMC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in core section of middle right lung
1427	RMC_VESSELVX	Char	20	Total number of vessel voxels in middle part of core section of right lung at Total Lung Capacity (TLC)
1428	RMC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of core section of right lung at Total Lung Capacity (TLC)
1429	RMP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of middle right lung
1430	RMP_TOTVX	Char	20	Total number of voxels in middle part of peel section of right lung at Total Lung Capacity (TLC)
1431	RMP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1432	RMP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of middle right lung
1433	RMP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1434	RMP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of middle right lung
1435	RMP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1436	RMP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1437	RMP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1438	RMP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1439	RMP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1440	RMP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1441	RMP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1442	RMP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1443	RMP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1444	RMP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1445	RMP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1446	RMP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1447	RMP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1448	RMP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1449	RMP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1450	RMP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1451	RMP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1452	RMP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1453	RMP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1454	RMP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1455	RMP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1456	RMP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1457	RMP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1458	RMP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1459	RMP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1460	RMP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1461	RMP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1462	RMP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1463	RMP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1464	RMP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1465	RMP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1466	RMP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for middle part of peel section of right lung at Total Lung Capacity (TLC)
1467	RMP_MEAN	Char	20	Average pixel values within middle part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1468	RMP_MED	Char	20	Median pixel values within middle part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1469	RMP_VAR	Char	20	Variance of pixel values within middle part of peel section of right lung at Total Lung Capacity (TLC)
1470	RMP_SDEV	Char	20	Standard deviation of pixel values within peel section of middle right lung
1471	RMP_ADEV	Char	20	Average deviation of pixel values within peel section of middle right lung
1472	RMP_SKEW	Char	20	Skewness of pixel values in middle part of peel section of right lung at Total Lung Capacity (TLC)
1473	RMP_KURT	Char	20	Kurtosis of pixel values in middle part of peel section of right lung at Total Lung Capacity (TLC)
1474	RMP_FWHM	Char	20	Full width, half max (HU) for middle part of peel section of right lung at Total Lung Capacity (TLC)
1475	RMP_AIRV	Char	20	Total volume of air in middle part of peel section of right lung (milliliters) at Total Lung Capacity (TLC)
1476	RMP_TISV	Char	20	Total volume of tissue in middle part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1477	RMP_TOTV	Char	20	Total volume of middle part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1478	RMP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle part of peel section of right lung at Total Lung Capacity (TLC)
1479	RMP_ASLP	Char	20	The slope of the line at the ankle for middle part of peel section of right lung at Total Lung Capacity (TLC)
1480	RMP_AINT	Char	20	The interecept of the line at the ankle for middle part of peel section of right lung at Total Lung Capacity (TLC)
1481	RMP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle part of peel section of right lung at Total Lung Capacity (TLC)
1482	RMP_KSLP	Char	20	The slope of the line at the knee for middle part of peel section of right lung at Total Lung Capacity (TLC)
1483	RMP_KINT	Char	20	The intercept of the line at the knee for middle part of peel section of right lung at Total Lung Capacity (TLC)
1484	RMP_CCUTOFF	Char	20	Middle part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1485	RMP_CVM	Char	20	Mean length of vectors drawn from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1486	RMP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of middle part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1487	RMP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1488	RMP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1489	RMP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1490	RMP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1491	RMP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1492	RMP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1493	RMP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle part of peel section of right lung at Total Lung Capacity (TLC)
1494	RMP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle part of peel section of right lung at Total Lung Capacity (TLC)
1495	RMP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle part of peel section of right lung at Total Lung Capacity (TLC)
1496	RMP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of middle right lung
1497	RMP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in peel section of middle right lung
1498	RMP_VESSELVX	Char	20	Total number of vessel voxels in middle part of peel section of right lung at Total Lung Capacity (TLC)
1499	RMP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle part of peel section of right lung at Total Lung Capacity (TLC)
1500	RL_VXSIZE	Char	20	Volume of voxel in cubic millimeters in lower right lung
1501	RL_TOTVX	Char	20	Total number of voxels in lower part of right lung at Total Lung Capacity (TLC)
1502	RL_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1503	RL_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower right lung
1504	RL_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1505	RL_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower right lung
1506	RL_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1507	RL_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1508	RL_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1509	RL_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1510	RL_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1511	RL_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1512	RL_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1513	RL_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1514	RL_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1515	RL_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1516	RL_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1517	RL_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1518	RL_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1519	RL_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1520	RL_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1521	RL_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1522	RL_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1523	RL_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1524	RL_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1525	RL_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1526	RL_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1527	RL_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1528	RL_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1529	RL_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1530	RL_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1531	RL_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1532	RL_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1533	RL_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1534	RL_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1535	RL_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1536	RL_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1537	RL_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of right lung at Total Lung Capacity (TLC)
1538	RL_MEAN	Char	20	Average pixel values within lower part of right lung (HU) at Total Lung Capacity (TLC)
1539	RL_MED	Char	20	Median pixel values within lower part of right lung (HU) at Total Lung Capacity (TLC)
1540	RL_VAR	Char	20	Variance of pixel values within lower part of right lung at Total Lung Capacity (TLC)
1541	RL_SDEV	Char	20	Standard deviation of pixel values within lower right lung
1542	RL_ADEV	Char	20	Average deviation of pixel values within lower right lung
1543	RL_SKEW	Char	20	Skewness of pixel values in lower part of right lung at Total Lung Capacity (TLC)
1544	RL_KURT	Char	20	Kurtosis of pixel values in lower part of right lung at Total Lung Capacity (TLC)
1545	RL_FWHM	Char	20	Full width, half max (HU) for lower part of right lung at Total Lung Capacity (TLC)
1546	RL_AIRV	Char	20	Total volume of air in lower part of right lung (milliliters) at Total Lung Capacity (TLC)
1547	RL_TISV	Char	20	Total volume of tissue in lower part of right lung (ml) at Total Lung Capacity (TLC)
1548	RL_TOTV	Char	20	Total volume of lower part of right lung (ml) at Total Lung Capacity (TLC)
1549	RL_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of right lung at Total Lung Capacity (TLC)
1550	RL_ASLP	Char	20	The slope of the line at the ankle for lower part of right lung at Total Lung Capacity (TLC)
1551	RL_AINT	Char	20	The interecept of the line at the ankle for lower part of right lung at Total Lung Capacity (TLC)
1552	RL_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of right lung at Total Lung Capacity (TLC)
1553	RL_KSLP	Char	20	The slope of the line at the knee for lower part of right lung at Total Lung Capacity (TLC)
1554	RL_KINT	Char	20	The intercept of the line at the knee for lower part of right lung at Total Lung Capacity (TLC)
1555	RL_CCUTOFF	Char	20	Lower part of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1556	RL_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1557	RL_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1558	RL_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1559	RL_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1560	RL_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1561	RL_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1562	RL_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1563	RL_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of right lung to emphysema voxels at Total Lung Capacity (TLC)
1564	RL_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of right lung at Total Lung Capacity (TLC)
1565	RL_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of right lung at Total Lung Capacity (TLC)
1566	RL_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of right lung at Total Lung Capacity (TLC)
1567	RL_AIRWAYVX	Char	20	Total number of airway voxels in lower right lung
1568	RL_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the lower right lung
1569	RL_VESSELVX	Char	20	Total number of vessel voxels in lower part of right lung at Total Lung Capacity (TLC)
1570	RL_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of right lung at Total Lung Capacity (TLC)
1571	RLC_VXSIZE	Char	20	Volume of voxel in cubic millimeters in core section of lower right lung
1572	RLC_TOTVX	Char	20	Total number of voxels in lower part of core section of right lung at Total Lung Capacity (TLC)
1573	RLC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1574	RLC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for core section of lower right lung
1575	RLC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1576	RLC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for core section of lower right lung
1577	RLC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1578	RLC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1579	RLC_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1580	RLC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1581	RLC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1582	RLC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1583	RLC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1584	RLC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1585	RLC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1586	RLC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1587	RLC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1588	RLC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1589	RLC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1590	RLC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1591	RLC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1592	RLC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1593	RLC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1594	RLC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1595	RLC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1596	RLC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1597	RLC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1598	RLC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1599	RLC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1600	RLC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1601	RLC_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1602	RLC_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1603	RLC_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1604	RLC_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1605	RLC_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1606	RLC_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1607	RLC_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1608	RLC_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of core section of right lung at Total Lung Capacity (TLC)
1609	RLC_MEAN	Char	20	Average pixel values within lower part of core section of right lung (HU) at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1610	RLC_MED	Char	20	Median pixel values within lower part of core section of right lung (HU) at Total Lung Capacity (TLC)
1611	RLC_VAR	Char	20	Variance of pixel values within lower part of core section of right lung at Total Lung Capacity (TLC)
1612	RLC_SDEV	Char	20	Standard deviation of pixel values within core section of lower right lung
1613	RLC_ADEV	Char	20	Average deviation of pixel values within core section of lower right lung
1614	RLC_SKEW	Char	20	Skewness of pixel values in lower part of core section of right lung at Total Lung Capacity (TLC)
1615	RLC_KURT	Char	20	Kurtosis of pixel values in lower part of core section of right lung at Total Lung Capacity (TLC)
1616	RLC_FWHM	Char	20	Full width, half max (HU) for lower part of core section of right lung at Total Lung Capacity (TLC)
1617	RLC_AIRV	Char	20	Total volume of air in lower part of core section of right lung (milliliters) at Total Lung Capacity (TLC)
1618	RLC_TISV	Char	20	Total volume of tissue in lower part of core section of right lung (ml) at Total Lung Capacity (TLC)
1619	RLC_TOTV	Char	20	Total volume of lower part of core section of right lung (ml) at Total Lung Capacity (TLC)
1620	RLC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of core section of right lung at Total Lung Capacity (TLC)
1621	RLC_ASLP	Char	20	The slope of the line at the ankle for lower part of core section of right lung at Total Lung Capacity (TLC)
1622	RLC_AINT	Char	20	The interecept of the line at the ankle for lower part of core section of right lung at Total Lung Capacity (TLC)
1623	RLC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of core section of right lung at Total Lung Capacity (TLC)
1624	RLC_KSLP	Char	20	The slope of the line at the knee for lower part of core section of right lung at Total Lung Capacity (TLC)
1625	RLC_KINT	Char	20	The intercept of the line at the knee for lower part of core section of right lung at Total Lung Capacity (TLC)
1626	RLC_CCUTOFF	Char	20	Lower part of core section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1627	RLC_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1628	RLC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1629	RLC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1630	RLC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1631	RLC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1632	RLC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1633	RLC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1634	RLC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of core section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1635	RLC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of core section of right lung at Total Lung Capacity (TLC)
1636	RLC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of core section of right lung at Total Lung Capacity (TLC)
1637	RLC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of core section of right lung at Total Lung Capacity (TLC)
1638	RLC_AIRWAYVX	Char	20	Total number of airway voxels in core section of lower right lung
1639	RLC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the core section of lower right lung
1640	RLC_VESSELVX	Char	20	Total number of vessel voxels in lower part of core section of right lung at Total Lung Capacity (TLC)
1641	RLC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of core section of right lung at Total Lung Capacity (TLC)
1642	RLP_VXSIZE	Char	20	Volume of voxel in cubic millimeters in peel section of lower right lung
1643	RLP_TOTVX	Char	20	Total number of voxels in lower part of peel section of right lung at Total Lung Capacity (TLC)
1644	RLP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for peel section of lower right lung
1645	RLP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for peel section of lower right lung
1646	RLP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1647	RLP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for peel section of lower right lung
1648	RLP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1649	RLP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1650	RLP_BE940	Char	20	Number of voxels below or equal to -950 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1651	RLP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1652	RLP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1653	RLP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1654	RLP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1655	RLP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1656	RLP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1657	RLP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1658	RLP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1659	RLP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1660	RLP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1661	RLP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1662	RLP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1663	RLP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1664	RLP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1665	RLP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1666	RLP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1667	RLP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1668	RLP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1669	RLP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1670	RLP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1671	RLP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1672	RLP_AE50	Char	20	Number of voxels above or equal to -50 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1673	RLP_AE100	Char	20	Number of voxels above or equal to -100 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1674	RLP_AE150	Char	20	Number of voxels above or equal to -150 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1675	RLP_AE200	Char	20	Number of voxels above or equal to -200 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1676	RLP_AE250	Char	20	Number of voxels above or equal to -250 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1677	RLP_AE400	Char	20	Number of voxels above or equal to -400 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1678	RLP_AE500	Char	20	Number of voxels above or equal to -500 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1679	RLP_AE600	Char	20	Number of voxels above or equal to -600 hounsfield units for lower part of peel section of right lung at Total Lung Capacity (TLC)
1680	RLP_MEAN	Char	20	Average pixel values within lower part of peel section of right lung (HU) at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1681	RLP_MED	Char	20	Median pixel values within lower part of peel section of right lung (HU) at Total Lung Capacity (TLC)
1682	RLP_VAR	Char	20	Variance of pixel values within lower part of peel section of right lung at Total Lung Capacity (TLC)
1683	RLP_SDEV	Char	20	Standard deviation of pixel values within peel section of lower right lung
1684	RLP_ADEV	Char	20	Average deviation of pixel values within peel section of lower right lung
1685	RLP_SKEW	Char	20	Skewness of pixel values in lower part of peel section of right lung at Total Lung Capacity (TLC)
1686	RLP_KURT	Char	20	Kurtosis of pixel values in lower part of peel section of right lung at Total Lung Capacity (TLC)
1687	RLP_FWHM	Char	20	Full width, half max (HU) for lower part of peel section of right lung at Total Lung Capacity (TLC)
1688	RLP_AIRV	Char	20	Total volume of air in lower part of peel section of right lung (milliliters) at Total Lung Capacity (TLC)
1689	RLP_TISV	Char	20	Total volume of tissue in lower part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1690	RLP_TOTV	Char	20	Total volume of lower part of peel section of right lung (ml) at Total Lung Capacity (TLC)
1691	RLP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower part of peel section of right lung at Total Lung Capacity (TLC)
1692	RLP_ASLP	Char	20	The slope of the line at the ankle for lower part of peel section of right lung at Total Lung Capacity (TLC)
1693	RLP_AINT	Char	20	The interecept of the line at the ankle for lower part of peel section of right lung at Total Lung Capacity (TLC)
1694	RLP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower part of peel section of right lung at Total Lung Capacity (TLC)
1695	RLP_KSLP	Char	20	The slope of the line at the knee for lower part of peel section of right lung at Total Lung Capacity (TLC)
1696	RLP_KINT	Char	20	The intercept of the line at the knee for lower part of peel section of right lung at Total Lung Capacity (TLC)
1697	RLP_CCUTOFF	Char	20	Lower part of peel section of right lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
1698	RLP_CVM	Char	20	Mean length of vectors drawn from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1699	RLP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of lower part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1700	RLP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels. at Total Lung Capacity (TLC)
1701	RLP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1702	RLP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1703	RLP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
1704	RLP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1705	RLP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower part of peel section of right lung to emphysema voxels at Total Lung Capacity (TLC)
1706	RLP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower part of peel section of right lung at Total Lung Capacity (TLC)
1707	RLP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower part of peel section of right lung at Total Lung Capacity (TLC)
1708	RLP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower part of peel section of right lung at Total Lung Capacity (TLC)
1709	RLP_AIRWAYVX	Char	20	Total number of airway voxels in peel section of lower right lung
1710	RLP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx/TotVx*100) in the peel section of lower right lung
1711	RLP_VESSELVX	Char	20	Total number of vessel voxels in lower part of peel section of right lung at Total Lung Capacity (TLC)
1712	RLP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower part of peel section of right lung at Total Lung Capacity (TLC)
1713	TLU_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of left lung
1714	TLU_TOTVX	Char	20	Total number of voxels in upper third of left lung
1715	TLU_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of left lung
1716	TLU_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of left lung
1717	TLU_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of left lung
1718	TLU_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of left lung
1719	TLU_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of left lung
1720	TLU_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of left lung
1721	TLU_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of left lung
1722	TLU_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of left lung
1723	TLU_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of left lung
1724	TLU_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of left lung
1725	TLU_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of left lung
1726	TLU_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of left lung
1727	TLU_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of left lung
1728	TLU_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of left lung
1729	TLU_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of left lung
1730	TLU_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of left lung
1731	TLU_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of left lung
1732	TLU_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of left lung
1733	TLU_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of left lung
1734	TLU_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of left lung
1735	TLU_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of left lung
1736	TLU_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of left lung

Num	Variable	Type	Len	Label
1737	TLU_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of left lung
1738	TLU_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of left lung
1739	TLU_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of left lung
1740	TLU_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of left lung
1741	TLU_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of left lung
1742	TLU_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of left lung
1743	TLU_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of left lung
1744	TLU_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of left lung
1745	TLU_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of left lung
1746	TLU_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of left lung
1747	TLU_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of left lung
1748	TLU_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of left lung
1749	TLU_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of left lung
1750	TLU_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of left lung
1751	TLU_MEAN	Char	20	Average pixel values within upper third of left lung (HU)
1752	TLU_MED	Char	20	Median pixel values within upper third of left lung (HU)
1753	TLU_VAR	Char	20	Variance of pixel values within upper third of left lung
1754	TLU_SDEV	Char	20	Standard deviation of pixel values within upper third of left lung
1755	TLU_ADEV	Char	20	Average deviation of pixel values within upper third of left lung
1756	TLU_SKEW	Char	20	Skewness of pixel values in upper third of left lung
1757	TLU_KURT	Char	20	Kurtosis of pixel values in upper third of left lung
1758	TLU_FWHM	Char	20	Full width, half max (HU) for upper third of left lung
1759	TLU_AIRV	Char	20	Total volume of air in upper third of left lung (milliliters)
1760	TLU_TISV	Char	20	Total volume of tissue in upper third of left lung (ml)
1761	TLU_TOTV	Char	20	Total volume of upper third of left lung (ml)
1762	TLU_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of left lung
1763	TLU_ASLP	Char	20	The slope of the line at the ankle for upper third of left lung
1764	TLU_AINT	Char	20	The intercept of the line at the ankle for upper third of left lung
1765	TLU_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of left lung
1766	TLU_KSLP	Char	20	The slope of the line at the knee for upper third of left lung
1767	TLU_KINT	Char	20	The intercept of the line at the knee for upper third of left lung
1768	TLU_CCUTOFF	Char	20	upper third of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
1769	TLU_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of left lung to emphysema voxels
1770	TLU_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of left lung to emphysema voxels
1771	TLU_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of left lung to emphysema voxels

Num	Variable	Type	Len	Label
1772	TLU_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of left lung to emphysema voxels
1773	TLU_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of left lung to emphysema voxels
1774	TLU_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of left lung to emphysema voxels
1775	TLU_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of left lung to emphysema voxels
1776	TLU_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of left lung to emphysema voxels
1777	TLU_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of left lung
1778	TLU_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of left lung
1779	TLU_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of left lung
1780	TLU_AIRWAYVX	Char	20	Total number of airway voxels in upper third of left lung
1781	TLU_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of left lung
1782	TLU_VESSELVX	Char	20	Total number of vessel voxels in upper third of left lung
1783	TLU_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of left lung
1784	TLUC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of core section of left lung
1785	TLUC_TOTVX	Char	20	Total number of voxels in upper third of core section of left lung
1786	TLUC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of core section of left lung
1787	TLUC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of core section of left lung
1788	TLUC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of core section of left lung
1789	TLUC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of core section of left lung
1790	TLUC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of core section of left lung
1791	TLUC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of core section of left lung
1792	TLUC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of core section of left lung
1793	TLUC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of core section of left lung
1794	TLUC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of core section of left lung
1795	TLUC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of core section of left lung
1796	TLUC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of core section of left lung
1797	TLUC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of core section of left lung

Num	Variable	Type	Len	Label
1798	TLUC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of core section of left lung
1799	TLUC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of core section of left lung
1800	TLUC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of core section of left lung
1801	TLUC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of core section of left lung
1802	TLUC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of core section of left lung
1803	TLUC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of core section of left lung
1804	TLUC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of core section of left lung
1805	TLUC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of core section of left lung
1806	TLUC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of core section of left lung
1807	TLUC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of core section of left lung
1808	TLUC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of core section of left lung
1809	TLUC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of core section of left lung
1810	TLUC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of core section of left lung
1811	TLUC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of core section of left lung
1812	TLUC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of core section of left lung
1813	TLUC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of core section of left lung
1814	TLUC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of core section of left lung
1815	TLUC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of core section of left lung
1816	TLUC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of core section of left lung
1817	TLUC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of core section of left lung
1818	TLUC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of core section of left lung
1819	TLUC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of core section of left lung
1820	TLUC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of core section of left lung

Num	Variable	Type	Len	Label
1821	TLUC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of core section of left lung
1822	TLUC_MEAN	Char	20	Average pixel values within upper third of core section of left lung (HU)
1823	TLUC_MED	Char	20	Median pixel values within upper third of core section of left lung (HU)
1824	TLUC_VAR	Char	20	Variance of pixel values within upper third of core section of left lung
1825	TLUC_SDEV	Char	20	Standard deviation of pixel values within upper third of core section of left lung
1826	TLUC_ADEV	Char	20	Average deviation of pixel values within upper third of core section of left lung
1827	TLUC_SKEW	Char	20	Skewness of pixel values in upper third of core section of left lung
1828	TLUC_KURT	Char	20	Kurtosis of pixel values in upper third of core section of left lung
1829	TLUC_FWHM	Char	20	Full width, half max (HU) for upper third of core section of left lung
1830	TLUC_AIRV	Char	20	Total volume of air in upper third of core section of left lung (milliliters)
1831	TLUC_TISV	Char	20	Total volume of tissue in upper third of core section of left lung (ml)
1832	TLUC_TOTV	Char	20	Total volume of upper third of core section of left lung (ml)
1833	TLUC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of core section of left lung
1834	TLUC_ASLP	Char	20	The slope of the line at the ankle for upper third of core section of left lung
1835	TLUC_AINT	Char	20	The intercept of the line at the ankle for upper third of core section of left lung
1836	TLUC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of core section of left lung
1837	TLUC_KSLP	Char	20	The slope of the line at the knee for upper third of core section of left lung
1838	TLUC_KINT	Char	20	The intercept of the line at the knee for upper third of core section of left lung
1839	TLUC_CCUTOFF	Char	20	upper third of core section of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
1840	TLUC_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of core section of left lung to emphysema voxels
1841	TLUC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of core section of left lung to emphysema voxels
1842	TLUC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of core section of left lung to emphysema voxels
1843	TLUC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of core section of left lung to emphysema voxels
1844	TLUC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of core section of left lung to emphysema voxels
1845	TLUC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of core section of left lung to emphysema voxels
1846	TLUC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of core section of left lung to emphysema voxels
1847	TLUC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of core section of left lung to emphysema voxels
1848	TLUC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of core section of left lung
1849	TLUC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of core section of left lung

Num	Variable	Type	Len	Label
1850	TLUC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of core section of left lung
1851	TLUC_AIRWAYVX	Char	20	Total number of airway voxels in upper third of core section of left lung
1852	TLUC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of core section of left lung
1853	TLUC_VESSELVX	Char	20	Total number of vessel voxels in upper third of core section of left lung
1854	TLUC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of core section of left lung
1855	TLUP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of peel section of left lung
1856	TLUP_TOTVX	Char	20	Total number of voxels in upper third of peel section of left lung
1857	TLUP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of peel section of left lung
1858	TLUP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of peel section of left lung
1859	TLUP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of peel section of left lung
1860	TLUP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of peel section of left lung
1861	TLUP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of peel section of left lung
1862	TLUP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of peel section of left lung
1863	TLUP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of peel section of left lung
1864	TLUP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of peel section of left lung
1865	TLUP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of peel section of left lung
1866	TLUP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of peel section of left lung
1867	TLUP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of peel section of left lung
1868	TLUP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of peel section of left lung
1869	TLUP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of peel section of left lung
1870	TLUP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of peel section of left lung
1871	TLUP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of peel section of left lung
1872	TLUP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of peel section of left lung
1873	TLUP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of peel section of left lung
1874	TLUP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of peel section of left lung

Num	Variable	Type	Len	Label
1875	TLUP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of peel section of left lung
1876	TLUP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of peel section of left lung
1877	TLUP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of peel section of left lung
1878	TLUP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of peel section of left lung
1879	TLUP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of peel section of left lung
1880	TLUP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of peel section of left lung
1881	TLUP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of peel section of left lung
1882	TLUP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of peel section of left lung
1883	TLUP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of peel section of left lung
1884	TLUP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of peel section of left lung
1885	TLUP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of peel section of left lung
1886	TLUP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of peel section of left lung
1887	TLUP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of peel section of left lung
1888	TLUP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of peel section of left lung
1889	TLUP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of peel section of left lung
1890	TLUP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of peel section of left lung
1891	TLUP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of peel section of left lung
1892	TLUP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of peel section of left lung
1893	TLUP_MEAN	Char	20	Average pixel values within upper third of peel section of left lung (HU)
1894	TLUP_MED	Char	20	Median pixel values within upper third of peel section of left lung (HU)
1895	TLUP_VAR	Char	20	Variance of pixel values within upper third of peel section of left lung
1896	TLUP_SDEV	Char	20	Standard deviation of pixel values within upper third of peel section of left lung
1897	TLUP_ADEV	Char	20	Average deviation of pixel values within upper third of peel section of left lung
1898	TLUP_SKEW	Char	20	Skewness of pixel values in upper third of peel section of left lung
1899	TLUP_KURT	Char	20	Kurtosis of pixel values in upper third of peel section of left lung
1900	TLUP_FWHM	Char	20	Full width, half max (HU) for upper third of peel section of left lung
1901	TLUP_AIRV	Char	20	Total volume of air in upper third of peel section of left lung (milliliters)

Num	Variable	Type	Len	Label
1902	TLUP_TISV	Char	20	Total volume of tissue in upper third of peel section of left lung (ml)
1903	TLUP_TOTV	Char	20	Total volume of upper third of peel section of left lung (ml)
1904	TLUP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of peel section of left lung
1905	TLUP_ASLP	Char	20	The slope of the line at the ankle for upper third of peel section of left lung
1906	TLUP_AINT	Char	20	The intercept of the line at the ankle for upper third of peel section of left lung
1907	TLUP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of peel section of left lung
1908	TLUP_KSLP	Char	20	The slope of the line at the knee for upper third of peel section of left lung
1909	TLUP_KINT	Char	20	The intercept of the line at the knee for upper third of peel section of left lung
1910	TLUP_CCUTOFF	Char	20	upper third of peel section of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
1911	TLUP_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of peel section of left lung to emphysema voxels
1912	TLUP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of peel section of left lung to emphysema voxels
1913	TLUP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of peel section of left lung to emphysema voxels
1914	TLUP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of peel section of left lung to emphysema voxels
1915	TLUP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of peel section of left lung to emphysema voxels
1916	TLUP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of peel section of left lung to emphysema voxels
1917	TLUP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of peel section of left lung to emphysema voxels
1918	TLUP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of peel section of left lung to emphysema voxels
1919	TLUP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of peel section of left lung
1920	TLUP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of peel section of left lung
1921	TLUP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of peel section of left lung
1922	TLUP_AIRWAYVX	Char	20	Total number of airway voxels in upper third of peel section of left lung
1923	TLUP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of peel section of left lung
1924	TLUP_VESSELVX	Char	20	Total number of vessel voxels in upper third of peel section of left lung
1925	TLUP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of peel section of left lung
1926	TLM_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of left lung
1927	TLM_TOTVX	Char	20	Total number of voxels in middle third of left lung
1928	TLM_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of left lung
1929	TLM_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third left lung

Num	Variable	Type	Len	Label
1930	TLM_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of left lung
1931	TLM_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third left lung
1932	TLM_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of left lung
1933	TLM_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of left lung
1934	TLM_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of left lung
1935	TLM_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of left lung
1936	TLM_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of left lung
1937	TLM_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of left lung
1938	TLM_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of left lung
1939	TLM_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of left lung
1940	TLM_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of left lung
1941	TLM_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of left lung
1942	TLM_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of left lung
1943	TLM_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of left lung
1944	TLM_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of left lung
1945	TLM_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of left lung
1946	TLM_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of left lung
1947	TLM_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of left lung
1948	TLM_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of left lung
1949	TLM_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of left lung
1950	TLM_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of left lung
1951	TLM_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of left lung
1952	TLM_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of left lung
1953	TLM_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of left lung
1954	TLM_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of left lung
1955	TLM_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of left lung
1956	TLM_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of left lung
1957	TLM_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of left lung
1958	TLM_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of left lung
1959	TLM_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of left lung
1960	TLM_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of left lung
1961	TLM_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of left lung
1962	TLM_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of left lung
1963	TLM_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of left lung
1964	TLM_MEAN	Char	20	Average pixel values within middle third of left lung (HU)
1965	TLM_MED	Char	20	Median pixel values within middle third of left lung (HU)
1966	TLM_VAR	Char	20	Variance of pixel values within middle third of left lung
1967	TLM_SDEV	Char	20	Standard deviation of pixel values within middle third of left lung
1968	TLM_ADEV	Char	20	Average deviation of pixel values within middle third of left lung

Num	Variable	Type	Len	Label
1969	TLM_SKEW	Char	20	Skewness of pixel values in middle third of left lung
1970	TLM_KURT	Char	20	Kurtosis of pixel values in middle third of left lung
1971	TLM_FWHM	Char	20	Full width, half max (HU) for middle third of left lung
1972	TLM_AIRV	Char	20	Total volume of air in middle third of left lung (milliliters)
1973	TLM_TISV	Char	20	Total volume of tissue in middle third of left lung (ml)
1974	TLM_TOTV	Char	20	Total volume of middle third of left lung (ml)
1975	TLM_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of left lung
1976	TLM_ASLP	Char	20	The slope of the line at the ankle for middle third of left lung
1977	TLM_AINT	Char	20	The intercept of the line at the ankle for middle third of left lung
1978	TLM_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of left lung
1979	TLM_KSLP	Char	20	The slope of the line at the knee for middle third of left lung
1980	TLM_KINT	Char	20	The intercept of the line at the knee for middle third of left lung
1981	TLM_CCUTOFF	Char	20	middle third of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
1982	TLM_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of left lung to emphysema voxels
1983	TLM_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of left lung to emphysema voxels
1984	TLM_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of left lung to emphysema voxels
1985	TLM_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of left lung to emphysema voxels
1986	TLM_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of left lung to emphysema voxels
1987	TLM_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of left lung to emphysema voxels
1988	TLM_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of left lung to emphysema voxels
1989	TLM_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of left lung to emphysema voxels
1990	TLM_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of left lung
1991	TLM_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of left lung
1992	TLM_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of left lung
1993	TLM_AIRWAYVX	Char	20	Total number of airway voxels in middle third of left lung
1994	TLM_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of left lung
1995	TLM_VESSELVX	Char	20	Total number of vessel voxels in middle third of left lung
1996	TLM_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of left lung
1997	TLMC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of core section of left lung
1998	TLMC_TOTVX	Char	20	Total number of voxels in middle third of core section of left lung

Num	Variable	Type	Len	Label
1999	TLMC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of core section of left lung
2000	TLMC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of core section of left lung
2001	TLMC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of core section of left lung
2002	TLMC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of core section of left lung
2003	TLMC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of core section of left lung
2004	TLMC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of core section of left lung
2005	TLMC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of core section of left lung
2006	TLMC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of core section of left lung
2007	TLMC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of core section of left lung
2008	TLMC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of core section of left lung
2009	TLMC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of core section of left lung
2010	TLMC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of core section of left lung
2011	TLMC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of core section of left lung
2012	TLMC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of core section of left lung
2013	TLMC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of core section of left lung
2014	TLMC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of core section of left lung
2015	TLMC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of core section of left lung
2016	TLMC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of core section of left lung
2017	TLMC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of core section of left lung
2018	TLMC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of core section of left lung
2019	TLMC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of core section of left lung
2020	TLMC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of core section of left lung
2021	TLMC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of core section of left lung

Num	Variable	Type	Len	Label
2022	TLMC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of core section of left lung
2023	TLMC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of core section of left lung
2024	TLMC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of core section of left lung
2025	TLMC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of core section of left lung
2026	TLMC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of core section of left lung
2027	TLMC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of core section of left lung
2028	TLMC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of core section of left lung
2029	TLMC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of core section of left lung
2030	TLMC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of core section of left lung
2031	TLMC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of core section of left lung
2032	TLMC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of core section of left lung
2033	TLMC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of core section of left lung
2034	TLMC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of core section of left lung
2035	TLMC_MEAN	Char	20	Average pixel values within middle third of core section of left lung (HU)
2036	TLMC_MED	Char	20	Median pixel values within middle third of core section of left lung (HU)
2037	TLMC_VAR	Char	20	Variance of pixel values within middle third of core section of left lung
2038	TLMC_SDEV	Char	20	Standard deviation of pixel values within middle third of core section of left lung
2039	TLMC_ADEV	Char	20	Average deviation of pixel values within middle third of core section of left lung
2040	TLMC_SKEW	Char	20	Skewness of pixel values in middle third of core section of left lung
2041	TLMC_KURT	Char	20	Kurtosis of pixel values in middle third of core section of left lung
2042	TLMC_FWHM	Char	20	Full width, half max (HU) for middle third of core section of left lung
2043	TLMC_AIRV	Char	20	Total volume of air in middle third of core section of left lung (milliliters)
2044	TLMC_TISV	Char	20	Total volume of tissue in middle third of core section of left lung (ml)
2045	TLMC_TOTV	Char	20	Total volume of middle third of core section of left lung (ml)
2046	TLMC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of core section of left lung
2047	TLMC_ASLP	Char	20	The slope of the line at the ankle for middle third of core section of left lung
2048	TLMC_AINT	Char	20	The intercept of the line at the ankle for middle third of core section of left lung
2049	TLMC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of core section of left lung
2050	TLMC_KSLP	Char	20	The slope of the line at the knee for middle third of core section of left lung

Num	Variable	Type	Len	Label
2051	TLMC_KINT	Char	20	The intercept of the line at the knee for middle third of core section of left lung
2052	TLMC_CCUTOFF	Char	20	middle third of core section of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2053	TLMC_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of core section of left lung to emphysema voxels
2054	TLMC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of core section of left lung to emphysema voxels
2055	TLMC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of core section of left lung to emphysema voxels
2056	TLMC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of core section of left lung to emphysema voxels
2057	TLMC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of core section of left lung to emphysema voxels
2058	TLMC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of core section of left lung to emphysema voxels
2059	TLMC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of core section of left lung to emphysema voxels
2060	TLMC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of core section of left lung to emphysema voxels
2061	TLMC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of core section of left lung
2062	TLMC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of core section of left lung
2063	TLMC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of core section of left lung
2064	TLMC_AIRWAYVX	Char	20	Total number of airway voxels in middle third of core section of left lung
2065	TLMC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of core section of left lung
2066	TLMC_VESSELVX	Char	20	Total number of vessel voxels in middle third of core section of left lung
2067	TLMC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of core section of left lung
2068	TLMP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of peel section of left lung
2069	TLMP_TOTVX	Char	20	Total number of voxels in middle third of peel section of left lung
2070	TLMP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of peel section of left lung
2071	TLMP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of peel section of left lung
2072	TLMP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of peel section of left lung
2073	TLMP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of peel section of left lung
2074	TLMP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of peel section of left lung
2075	TLMP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of peel section of left lung

Num	Variable	Type	Len	Label
2076	TLMP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of peel section of left lung
2077	TLMP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of peel section of left lung
2078	TLMP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of peel section of left lung
2079	TLMP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of peel section of left lung
2080	TLMP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of peel section of left lung
2081	TLMP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of peel section of left lung
2082	TLMP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of peel section of left lung
2083	TLMP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of peel section of left lung
2084	TLMP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of peel section of left lung
2085	TLMP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of peel section of left lung
2086	TLMP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of peel section of left lung
2087	TLMP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of peel section of left lung
2088	TLMP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of peel section of left lung
2089	TLMP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of peel section of left lung
2090	TLMP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of peel section of left lung
2091	TLMP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of peel section of left lung
2092	TLMP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of peel section of left lung
2093	TLMP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of peel section of left lung
2094	TLMP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of peel section of left lung
2095	TLMP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of peel section of left lung
2096	TLMP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of peel section of left lung
2097	TLMP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of peel section of left lung
2098	TLMP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of peel section of left lung

Num	Variable	Type	Len	Label
2099	TLMP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of peel section of left lung
2100	TLMP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of peel section of left lung
2101	TLMP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of peel section of left lung
2102	TLMP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of peel section of left lung
2103	TLMP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of peel section of left lung
2104	TLMP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of peel section of left lung
2105	TLMP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of peel section of left lung
2106	TLMP_MEAN	Char	20	Average pixel values within middle third of peel section of left lung (HU)
2107	TLMP_MED	Char	20	Median pixel values within middle third of peel section of left lung (HU)
2108	TLMP_VAR	Char	20	Variance of pixel values within middle third of peel section of left lung
2109	TLMP_SDEV	Char	20	Standard deviation of pixel values within middle third of peel section of left lung
2110	TLMP_ADEV	Char	20	Average deviation of pixel values within middle third of peel section of left lung
2111	TLMP_SKEW	Char	20	Skewness of pixel values in middle third of peel section of left lung
2112	TLMP_KURT	Char	20	Kurtosis of pixel values in middle third of peel section of left lung
2113	TLMP_FWHM	Char	20	Full width, half max (HU) for middle third of peel section of left lung
2114	TLMP_AIRV	Char	20	Total volume of air in middle third of peel section of left lung (milliliters)
2115	TLMP_TISV	Char	20	Total volume of tissue in middle third of peel section of left lung (ml)
2116	TLMP_TOTV	Char	20	Total volume of middle third of peel section of left lung (ml)
2117	TLMP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of peel section of left lung
2118	TLMP_ASLP	Char	20	The slope of the line at the ankle for middle third of peel section of left lung
2119	TLMP_AINT	Char	20	The intercept of the line at the ankle for middle third of peel section of left lung
2120	TLMP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of peel section of left lung
2121	TLMP_KSLP	Char	20	The slope of the line at the knee for middle third of peel section of left lung
2122	TLMP_KINT	Char	20	The intercept of the line at the knee for middle third of peel section of left lung
2123	TLMP_CCUTOFF	Char	20	middle third of peel section of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2124	TLMP_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of peel section of left lung to emphysema voxels
2125	TLMP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of peel section of left lung to emphysema voxels
2126	TLMP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of peel section of left lung to emphysema voxels
2127	TLMP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of peel section of left lung to emphysema voxels

Num	Variable	Type	Len	Label
2128	TLMP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of peel section of left lung to emphysema voxels
2129	TLMP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of peel section of left lung to emphysema voxels
2130	TLMP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of peel section of left lung to emphysema voxels
2131	TLMP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of peel section of left lung to emphysema voxels
2132	TLMP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of peel section of left lung
2133	TLMP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of peel section of left lung
2134	TLMP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of peel section of left lung
2135	TLMP_AIRWAYVX	Char	20	Total number of airway voxels in middle third of peel section of left lung
2136	TLMP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of peel section of left lung
2137	TLMP_VESSELVX	Char	20	Total number of vessel voxels in middle third of peel section of left lung
2138	TLMP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of peel section of left lung
2139	TLL_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower third of left lung
2140	TLL_TOTVX	Char	20	Total number of voxels in lower third of left lung
2141	TLL_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower third of left lung
2142	TLL_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower third of left lung
2143	TLL_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower third of left lung
2144	TLL_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower third of left lung
2145	TLL_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower third of left lung
2146	TLL_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower third of left lung
2147	TLL_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower third of left lung
2148	TLL_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower third of left lung
2149	TLL_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower third of left lung
2150	TLL_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower third of left lung
2151	TLL_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower third of left lung
2152	TLL_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower third of left lung
2153	TLL_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower third of left lung
2154	TLL_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower third of left lung
2155	TLL_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower third of left lung
2156	TLL_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower third of left lung
2157	TLL_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower third of left lung
2158	TLL_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower third of left lung
2159	TLL_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower third of left lung
2160	TLL_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower third of left lung

Num	Variable	Type	Len	Label
2161	TLL_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower third of left lung
2162	TLL_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower third of left lung
2163	TLL_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower third of left lung
2164	TLL_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower third of left lung
2165	TLL_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower third of left lung
2166	TLL_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower third of left lung
2167	TLL_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower third of left lung
2168	TLL_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower third of left lung
2169	TLL_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower third of left lung
2170	TLL_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower third of left lung
2171	TLL_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower third of left lung
2172	TLL_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower third of left lung
2173	TLL_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower third of left lung
2174	TLL_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower third of left lung
2175	TLL_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower third of left lung
2176	TLL_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower third of left lung
2177	TLL_MEAN	Char	20	Average pixel values within lower third of left lung (HU)
2178	TLL_MED	Char	20	Median pixel values within lower third of left lung (HU)
2179	TLL_VAR	Char	20	Variance of pixel values within lower third of left lung
2180	TLL_SDEV	Char	20	Standard deviation of pixel values within lower third of left lung
2181	TLL_ADEV	Char	20	Average deviation of pixel values within lower third of left lung
2182	TLL_SKEW	Char	20	Skewness of pixel values in lower third of left lung
2183	TLL_KURT	Char	20	Kurtosis of pixel values in lower third of left lung
2184	TLL_FWHM	Char	20	Full width, half max (HU) for lower third of left lung
2185	TLL_AIRV	Char	20	Total volume of air in lower third of left lung (milliliters)
2186	TLL_TISV	Char	20	Total volume of tissue in lower third of left lung (ml)
2187	TLL_TOTV	Char	20	Total volume of lower third of left lung (ml)
2188	TLL_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower third of left lung
2189	TLL_ASLP	Char	20	The slope of the line at the ankle for lower third of left lung
2190	TLL_AINT	Char	20	The intercept of the line at the ankle for lower third of left lung
2191	TLL_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower third of left lung
2192	TLL_KSLP	Char	20	The slope of the line at the knee for lower third of left lung
2193	TLL_KINT	Char	20	The intercept of the line at the knee for lower third of left lung
2194	TLL_CCUTOFF	Char	20	lower third of left lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2195	TLL_CVM	Char	20	Mean length of vectors drawn from the centroid oflower third of left lung to emphysema voxels

Num	Variable	Type	Len	Label
2196	TLL_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower third of left lung to emphysema voxels
2197	TLL_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower third of left lung to emphysema voxels
2198	TLL_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower third of left lung to emphysema voxels
2199	TLL_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower third of left lung to emphysema voxels
2200	TLL_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower third of left lung to emphysema voxels
2201	TLL_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower third of left lung to emphysema voxels
2202	TLL_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower third of left lung to emphysema voxels
2203	TLL_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower third of left lung
2204	TLL_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower third of left lung
2205	TLL_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower third of left lung
2206	TLL_AIRWAYVX	Char	20	Total number of airway voxels in lower third of left lung
2207	TLL_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower third of left lung
2208	TLL_VESSELVX	Char	20	Total number of vessel voxels in lower third of left lung
2209	TLL_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower third of left lung
2210	TLLC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower left third of the core section of the lung
2211	TLLC_TOTVX	Char	20	Total number of voxels in lower left third of the core section of the lung
2212	TLLC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower left third of the core section of the lung
2213	TLLC_E1024	Char	20	Number of voxels equal to -1000 hounsfield units lower left third of the core section of the lung
2214	TLLC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower left third of the core section of the lung
2215	TLLC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units lower left third of the core section of the lung
2216	TLLC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower left third of the core section of the lung
2217	TLLC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower left third of the core section of the lung
2218	TLLC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower left third of the core section of the lung
2219	TLLC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower left third of the core section of the lung
2220	TLLC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower left third of the core section of the lung
2221	TLLC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower left third of the core section of the lung

Num	Variable	Type	Len	Label
2222	TLLC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower left third of the core section of the lung
2223	TLLC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower left third of the core section of the lung
2224	TLLC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower left third of the core section of the lung
2225	TLLC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower left third of the core section of the lung
2226	TLLC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower left third of the core section of the lung
2227	TLLC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower left third of the core section of the lung
2228	TLLC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower left third of the core section of the lung
2229	TLLC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower left third of the core section of the lung
2230	TLLC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower left third of the core section of the lung
2231	TLLC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower left third of the core section of the lung
2232	TLLC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower left third of the core section of the lung
2233	TLLC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower left third of the core section of the lung
2234	TLLC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower left third of the core section of the lung
2235	TLLC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower left third of the core section of the lung
2236	TLLC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower left third of the core section of the lung
2237	TLLC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower left third of the core section of the lung
2238	TLLC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower left third of the core section of the lung
2239	TLLC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower left third of the core section of the lung
2240	TLLC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower left third of the core section of the lung
2241	TLLC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower left third of the core section of the lung
2242	TLLC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower left third of the core section of the lung
2243	TLLC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower left third of the core section of the lung
2244	TLLC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower left third of the core section of the lung

Num	Variable	Type	Len	Label
2245	TLLC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower left third of the core section of the lung
2246	TLLC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower left third of the core section of the lung
2247	TLLC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower left third of the core section of the lung
2248	TLLC_MEAN	Char	20	Average pixel values within lower left third of the core section of the lung (HU)
2249	TLLC_MED	Char	20	Median pixel values within lower left third of the core section of the lung (HU)
2250	TLLC_VAR	Char	20	Variance of pixel values within lower left third of the core section of the lung
2251	TLLC_SDEV	Char	20	Standard deviation of pixel values within lower left third of the core section of the lung
2252	TLLC_ADEV	Char	20	Average deviation of pixel values within lower left third of the core section of the lung
2253	TLLC_SKEW	Char	20	Skewness of pixel values in lower left third of the core section of the lung
2254	TLLC_KURT	Char	20	Kurtosis of pixel values in lower left third of the core section of the lung
2255	TLLC_FWHM	Char	20	Full width, half max (HU) for lower left third of the core section of the lung
2256	TLLC_AIRV	Char	20	Total volume of air in lower left third of the core section of the lung (milliliters)
2257	TLLC_TISV	Char	20	Total volume of tissue in lower left third of the core section of the lung (ml)
2258	TLLC_TOTV	Char	20	Total volume of lower left third of the core section of the lung (ml)
2259	TLLC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower left third of the core section of the lung
2260	TLLC_ASLP	Char	20	The slope of the line at the ankle for lower left third of the core section of the lung
2261	TLLC_AINT	Char	20	The intercept of the line at the ankle for lower left third of the core section of the lung
2262	TLLC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower left third of the core section of the lung
2263	TLLC_KSLP	Char	20	The slope of the line at the knee for lower left third of the core section of the lung
2264	TLLC_KINT	Char	20	The intercept of the line at the knee for lower left third of the core section of the lung
2265	TLLC_CCUTOFF	Char	20	lower left third of the core section of the lung: definition of emphysema cutoff value (HU) values less than this are considered emphysema
2266	TLLC_CVM	Char	20	Mean length of vectors drawn from the centroid oflower left third of the core section of the lung to emphysema voxels
2267	TLLC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower left third of the core section of the lung to emphysema voxels
2268	TLLC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower left third of the core section of the lung to emphysema voxels
2269	TLLC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower left third of the core section of the lung to emphysema voxels
2270	TLLC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower left third of the core section of the lung to emphysema voxels
2271	TLLC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower left third of the core section of the lung to emphysema voxels
2272	TLLC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower left third of the core section of the lung to emphysema voxels
2273	TLLC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower left third of the core section of the lung to emphysema voxels

Num	Variable	Type	Len	Label
2274	TLLC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower left third of the core section of the lung
2275	TLLC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower left third of the core section of the lung
2276	TLLC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower left third of the core section of the lung
2277	TLLC_AIRWAYVX	Char	20	Total number of airway voxels in lower left third of the core section of the lung
2278	TLLC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower left third of the core section of the lung
2279	TLLC_VESSELVX	Char	20	Total number of vessel voxels in lower left third of the core section of the lung
2280	TLLC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower left third of the core section of the lung
2281	TLLP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower left third of the peel section of the lung
2282	TLLP_TOTVX	Char	20	Total number of voxels in lower left third of the peel section of the lung
2283	TLLP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower left third of the peel section of the lung
2284	TLLP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower left third of the peel section of the lung
2285	TLLP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower left third of the peel section of the lung
2286	TLLP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower left third of the peel section of the lung
2287	TLLP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower left third of the peel section of the lung
2288	TLLP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower left third of the peel section of the lung
2289	TLLP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower left third of the peel section of the lung
2290	TLLP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower left third of the peel section of the lung
2291	TLLP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower left third of the peel section of the lung
2292	TLLP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower left third of the peel section of the lung
2293	TLLP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower left third of the peel section of the lung
2294	TLLP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower left third of the peel section of the lung
2295	TLLP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower left third of the peel section of the lung
2296	TLLP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower left third of the peel section of the lung
2297	TLLP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower left third of the peel section of the lung
2298	TLLP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower left third of the peel section of the lung

Num	Variable	Type	Len	Label
2299	TLLP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower left third of the peel section of the lung
2300	TLLP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower left third of the peel section of the lung
2301	TLLP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower left third of the peel section of the lung
2302	TLLP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower left third of the peel section of the lung
2303	TLLP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower left third of the peel section of the lung
2304	TLLP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower left third of the peel section of the lung
2305	TLLP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower left third of the peel section of the lung
2306	TLLP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower left third of the peel section of the lung
2307	TLLP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower left third of the peel section of the lung
2308	TLLP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower left third of the peel section of the lung
2309	TLLP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower left third of the peel section of the lung
2310	TLLP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower left third of the peel section of the lung
2311	TLLP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower left third of the peel section of the lung
2312	TLLP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower left third of the peel section of the lung
2313	TLLP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower left third of the peel section of the lung
2314	TLLP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower left third of the peel section of the lung
2315	TLLP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower left third of the peel section of the lung
2316	TLLP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower left third of the peel section of the lung
2317	TLLP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower left third of the peel section of the lung
2318	TLLP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower left third of the peel section of the lung
2319	TLLP_MEAN	Char	20	Average pixel values within lower left third of the peel section of the lung (HU)
2320	TLLP_MED	Char	20	Median pixel values within lower left third of the peel section of the lung (HU)
2321	TLLP_VAR	Char	20	Variance of pixel values within lower left third of the peel section of the lung
2322	TLLP_SDEV	Char	20	Standard deviation of pixel values within lower left third of the peel section of the lung
2323	TLLP_ADEV	Char	20	Average deviation of pixel values within lower left third of the peel section of the lung
2324	TLLP_SKEW	Char	20	Skewness of pixel values in lower left third of the peel section of the lung

Num	Variable	Type	Len	Label
2325	TLLP_KURT	Char	20	Kurtosis of pixel values in lower left third of the peel section of the lung
2326	TLLP_FWHM	Char	20	Full width, half max (HU) for lower left third of the peel section of the lung
2327	TLLP_AIRV	Char	20	Total volume of air in lower left third of the peel section of the lung (milliliters)
2328	TLLP_TISV	Char	20	Total volume of tissue in lower left third of the peel section of the lung (ml)
2329	TLLP_TOTV	Char	20	Total volume of lower left third of the peel section of the lung (ml)
2330	TLLP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower left third of the peel section of the lung
2331	TLLP_ASLP	Char	20	The slope of the line at the ankle for lower left third of the peel section of the lung
2332	TLLP_AINT	Char	20	The intercept of the line at the ankle for lower left third of the peel section of the lung
2333	TLLP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower left third of the peel section of the lung
2334	TLLP_KSLP	Char	20	The slope of the line at the knee for lower left third of the peel section of the lung
2335	TLLP_KINT	Char	20	The intercept of the line at the knee for lower left third of the peel section of the lung
2336	TLLP_CCUTOFF	Char	20	lower left third of the peel section of the lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2337	TLLP_CVM	Char	20	Mean length of vectors drawn from the centroid oflower left third of the peel section of the lung to emphysema voxels
2338	TLLP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2339	TLLP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2340	TLLP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2341	TLLP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2342	TLLP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower left third of the peel section of the lung to emphysema voxels
2343	TLLP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower left third of the peel section of the lung to emphysema voxels
2344	TLLP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower left third of the peel section of the lung to emphysema voxels
2345	TLLP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower left third of the peel section of the lung
2346	TLLP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower left third of the peel section of the lung
2347	TLLP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower left third of the peel section of the lung
2348	TLLP_AIRWAYVX	Char	20	Total number of airway voxels in lower left third of the peel section of the lung
2349	TLLP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower left third of the peel section of the lung
2350	TLLP_VESSELVX	Char	20	Total number of vessel voxels in lower left third of the peel section of the lung
2351	TLLP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower left third of the peel section of the lung
2352	TRU_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of right lung

Num	Variable	Type	Len	Label
2353	TRU_TOTVX	Char	20	Total number of voxels in upper third of right lung
2354	TRU_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of right lung
2355	TRU_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of right lung
2356	TRU_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of right lung
2357	TRU_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of right lung
2358	TRU_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of right lung
2359	TRU_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of right lung
2360	TRU_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of right lung
2361	TRU_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of right lung
2362	TRU_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of right lung
2363	TRU_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of right lung
2364	TRU_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of right lung
2365	TRU_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of right lung
2366	TRU_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of right lung
2367	TRU_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of right lung
2368	TRU_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of right lung
2369	TRU_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of right lung
2370	TRU_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of right lung
2371	TRU_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of right lung
2372	TRU_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of right lung
2373	TRU_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of right lung
2374	TRU_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of right lung
2375	TRU_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of right lung
2376	TRU_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of right lung
2377	TRU_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of right lung
2378	TRU_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of right lung
2379	TRU_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of right lung
2380	TRU_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of right lung
2381	TRU_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of right lung
2382	TRU_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of right lung
2383	TRU_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of right lung
2384	TRU_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of right lung
2385	TRU_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of right lung
2386	TRU_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of right lung
2387	TRU_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of right lung
2388	TRU_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of right lung
2389	TRU_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of right lung
2390	TRU_MEAN	Char	20	Average pixel values within upper third of right lung (HU)
2391	TRU_MED	Char	20	Median pixel values within upper third of right lung (HU)

Num	Variable	Type	Len	Label
2392	TRU_VAR	Char	20	Variance of pixel values within upper third of right lung
2393	TRU_SDEV	Char	20	Standard deviation of pixel values within upper third of right lung
2394	TRU_ADEV	Char	20	Average deviation of pixel values within upper third of right lung
2395	TRU_SKEW	Char	20	Skewness of pixel values in upper third of right lung
2396	TRU_KURT	Char	20	Kurtosis of pixel values in upper third of right lung
2397	TRU_FWHM	Char	20	Full width, half max (HU) for upper third of right lung
2398	TRU_AIRV	Char	20	Total volume of air in upper third of right lung (milliliters)
2399	TRU_TISV	Char	20	Total volume of tissue in upper third of right lung (ml)
2400	TRU_TOTV	Char	20	Total volume of upper third of right lung (ml)
2401	TRU_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of right lung
2402	TRU_ASLP	Char	20	The slope of the line at the ankle for upper third of right lung
2403	TRU_AINT	Char	20	The intercept of the line at the ankle for upper third of right lung
2404	TRU_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of right lung
2405	TRU_KSLP	Char	20	The slope of the line at the knee for upper third of right lung
2406	TRU_KINT	Char	20	The intercept of the line at the knee for upper third of right lung
2407	TRU_CCUTOFF	Char	20	upper third of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2408	TRU_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of right lung to emphysema voxels
2409	TRU_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of right lung to emphysema voxels
2410	TRU_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of right lung to emphysema voxels
2411	TRU_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of right lung to emphysema voxels
2412	TRU_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of right lung to emphysema voxels
2413	TRU_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of right lung to emphysema voxels
2414	TRU_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of right lung to emphysema voxels
2415	TRU_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of right lung to emphysema voxels
2416	TRU_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of right lung
2417	TRU_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of right lung
2418	TRU_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of right lung
2419	TRU_AIRWAYVX	Char	20	Total number of airway voxels in upper third of right lung
2420	TRU_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of right lung
2421	TRU_VESSELVX	Char	20	Total number of vessel voxels in upper third of right lung

Num	Variable	Type	Len	Label
2422	TRU_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of right lung
2423	TRUC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of core section of right lung
2424	TRUC_TOTVX	Char	20	Total number of voxels in upper third of core section of right lung
2425	TRUC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of core section of right lung
2426	TRUC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of core section of right lung
2427	TRUC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of core section of right lung
2428	TRUC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of core section of right lung
2429	TRUC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of core section of right lung
2430	TRUC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of core section of right lung
2431	TRUC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of core section of right lung
2432	TRUC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of core section of right lung
2433	TRUC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of core section of right lung
2434	TRUC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of core section of right lung
2435	TRUC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of core section of right lung
2436	TRUC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of core section of right lung
2437	TRUC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of core section of right lung
2438	TRUC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of core section of right lung
2439	TRUC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of core section of right lung
2440	TRUC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of core section of right lung
2441	TRUC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of core section of right lung
2442	TRUC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of core section of right lung
2443	TRUC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of core section of right lung
2444	TRUC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of core section of right lung
2445	TRUC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of core section of right lung

Num	Variable	Type	Len	Label
2446	TRUC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of core section of right lung
2447	TRUC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of core section of right lung
2448	TRUC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of core section of right lung
2449	TRUC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of core section of right lung
2450	TRUC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of core section of right lung
2451	TRUC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of core section of right lung
2452	TRUC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of core section of right lung
2453	TRUC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of core section of right lung
2454	TRUC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of core section of right lung
2455	TRUC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of core section of right lung
2456	TRUC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of core section of right lung
2457	TRUC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of core section of right lung
2458	TRUC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of core section of right lung
2459	TRUC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of core section of right lung
2460	TRUC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of core section of right lung
2461	TRUC_MEAN	Char	20	Average pixel values within upper third of core section of right lung (HU)
2462	TRUC_MED	Char	20	Median pixel values within upper third of core section of right lung (HU)
2463	TRUC_VAR	Char	20	Variance of pixel values within upper third of core section of right lung
2464	TRUC_SDEV	Char	20	Standard deviation of pixel values within upper third of core section of right lung
2465	TRUC_ADEV	Char	20	Average deviation of pixel values within upper third of core section of right lung
2466	TRUC_SKEW	Char	20	Skewness of pixel values in upper third of core section of right lung
2467	TRUC_KURT	Char	20	Kurtosis of pixel values in upper third of core section of right lung
2468	TRUC_FWHM	Char	20	Full width, half max (HU) for upper third of core section of right lung
2469	TRUC_AIRV	Char	20	Total volume of air in upper third of core section of right lung (milliliters)
2470	TRUC_TISV	Char	20	Total volume of tissue in upper third of core section of right lung (ml)
2471	TRUC_TOTV	Char	20	Total volume of upper third of core section of right lung (ml)
2472	TRUC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of core section of right lung
2473	TRUC_ASLP	Char	20	The slope of the line at the ankle for upper third of core section of right lung

Num	Variable	Type	Len	Label
2474	TRUC_AINT	Char	20	The intercept of the line at the ankle for upper third of core section of right lung
2475	TRUC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of core section of right lung
2476	TRUC_KSLP	Char	20	The slope of the line at the knee for upper third of core section of right lung
2477	TRUC_KINT	Char	20	The intercept of the line at the knee for upper third of core section of right lung
2478	TRUC_CCUTOFF	Char	20	upper third of core section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2479	TRUC_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of core section of right lung to emphysema voxels
2480	TRUC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of core section of right lung to emphysema voxels
2481	TRUC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of core section of right lung to emphysema voxels
2482	TRUC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of core section of right lung to emphysema voxels
2483	TRUC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of core section of right lung to emphysema voxels
2484	TRUC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of core section of right lung to emphysema voxels
2485	TRUC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of core section of right lung to emphysema voxels
2486	TRUC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of core section of right lung to emphysema voxels
2487	TRUC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of core section of right lung
2488	TRUC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of core section of right lung
2489	TRUC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of core section of right lung
2490	TRUC_AIRWAYVX	Char	20	Total number of airway voxels in upper third of core section of right lung
2491	TRUC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of core section of right lung
2492	TRUC_VESSELVX	Char	20	Total number of vessel voxels in upper third of core section of right lung
2493	TRUC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of core section of right lung
2494	TRUP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for upper third of peel section of right lung
2495	TRUP_TOTVX	Char	20	Total number of voxels in upper third of peel section of right lung
2496	TRUP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for upper third of peel section of right lung
2497	TRUP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for upper third of peel section of right lung
2498	TRUP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for upper third of peel section of right lung
2499	TRUP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for upper third of peel section of right lung

Num	Variable	Type	Len	Label
2500	TRUP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for upper third of peel section of right lung
2501	TRUP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for upper third of peel section of right lung
2502	TRUP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for upper third of peel section of right lung
2503	TRUP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for upper third of peel section of right lung
2504	TRUP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for upper third of peel section of right lung
2505	TRUP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for upper third of peel section of right lung
2506	TRUP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for upper third of peel section of right lung
2507	TRUP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for upper third of peel section of right lung
2508	TRUP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for upper third of peel section of right lung
2509	TRUP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for upper third of peel section of right lung
2510	TRUP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for upper third of peel section of right lung
2511	TRUP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for upper third of peel section of right lung
2512	TRUP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for upper third of peel section of right lung
2513	TRUP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for upper third of peel section of right lung
2514	TRUP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for upper third of peel section of right lung
2515	TRUP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for upper third of peel section of right lung
2516	TRUP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for upper third of peel section of right lung
2517	TRUP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for upper third of peel section of right lung
2518	TRUP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for upper third of peel section of right lung
2519	TRUP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for upper third of peel section of right lung
2520	TRUP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for upper third of peel section of right lung
2521	TRUP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for upper third of peel section of right lung
2522	TRUP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for upper third of peel section of right lung

Num	Variable	Type	Len	Label
2523	TRUP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for upper third of peel section of right lung
2524	TRUP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in upper third of peel section of right lung
2525	TRUP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in upper third of peel section of right lung
2526	TRUP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in upper third of peel section of right lung
2527	TRUP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in upper third of peel section of right lung
2528	TRUP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in upper third of peel section of right lung
2529	TRUP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in upper third of peel section of right lung
2530	TRUP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in upper third of peel section of right lung
2531	TRUP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in upper third of peel section of right lung
2532	TRUP_MEAN	Char	20	Average pixel values within upper third of peel section of right lung (HU)
2533	TRUP_MED	Char	20	Median pixel values within upper third of peel section of right lung (HU)
2534	TRUP_VAR	Char	20	Variance of pixel values within upper third of peel section of right lung
2535	TRUP_SDEV	Char	20	Standard deviation of pixel values within upper third of peel section of right lung
2536	TRUP_ADEV	Char	20	Average deviation of pixel values within upper third of peel section of right lung
2537	TRUP_SKEW	Char	20	Skewness of pixel values in upper third of peel section of right lung
2538	TRUP_KURT	Char	20	Kurtosis of pixel values in upper third of peel section of right lung
2539	TRUP_FWHM	Char	20	Full width, half max (HU) for upper third of peel section of right lung
2540	TRUP_AIRV	Char	20	Total volume of air in upper third of peel section of right lung (milliliters)
2541	TRUP_TISV	Char	20	Total volume of tissue in upper third of peel section of right lung (ml)
2542	TRUP_TOTV	Char	20	Total volume of upper third of peel section of right lung (ml)
2543	TRUP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for upper third of peel section of right lung
2544	TRUP_ASLP	Char	20	The slope of the line at the ankle for upper third of peel section of right lung
2545	TRUP_AINT	Char	20	The intercept of the line at the ankle for upper third of peel section of right lung
2546	TRUP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for upper third of peel section of right lung
2547	TRUP_KSLP	Char	20	The slope of the line at the knee for upper third of peel section of right lung
2548	TRUP_KINT	Char	20	The intercept of the line at the knee for upper third of peel section of right lung
2549	TRUP_CCUTOFF	Char	20	upper third of peel section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2550	TRUP_CVM	Char	20	Mean length of vectors drawn from the centroid of upper third of peel section of right lung to emphysema voxels
2551	TRUP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the upper third of peel section of right lung to emphysema voxels

Num	Variable	Type	Len	Label
2552	TRUP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the upper third of peel section of right lung to emphysema voxels
2553	TRUP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the upper third of peel section of right lung to emphysema voxels
2554	TRUP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the upper third of peel section of right lung to emphysema voxels
2555	TRUP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the upper third of peel section of right lung to emphysema voxels
2556	TRUP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of upper third of peel section of right lung to emphysema voxels
2557	TRUP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of upper third of peel section of right lung to emphysema voxels
2558	TRUP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for upper third of peel section of right lung
2559	TRUP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for upper third of peel section of right lung
2560	TRUP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for upper third of peel section of right lung
2561	TRUP_AIRWAYVX	Char	20	Total number of airway voxels in upper third of peel section of right lung
2562	TRUP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in upper third of peel section of right lung
2563	TRUP_VESSELVX	Char	20	Total number of vessel voxels in upper third of peel section of right lung
2564	TRUP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for upper third of peel section of right lung
2565	TRM_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of right lung
2566	TRM_TOTVX	Char	20	Total number of voxels in middle third of right lung
2567	TRM_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of right lung
2568	TRM_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of right lung
2569	TRM_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of right lung
2570	TRM_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of right lung
2571	TRM_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of right lung
2572	TRM_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of right lung
2573	TRM_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of right lung
2574	TRM_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of right lung
2575	TRM_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of right lung
2576	TRM_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of right lung
2577	TRM_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of right lung
2578	TRM_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of right lung
2579	TRM_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of right lung
2580	TRM_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of right lung
2581	TRM_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of right lung

Num	Variable	Type	Len	Label
2582	TRM_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of right lung
2583	TRM_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of right lung
2584	TRM_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of right lung
2585	TRM_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of right lung
2586	TRM_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of right lung
2587	TRM_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of right lung
2588	TRM_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of right lung
2589	TRM_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of right lung
2590	TRM_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of right lung
2591	TRM_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of right lung
2592	TRM_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of right lung
2593	TRM_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of right lung
2594	TRM_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of right lung
2595	TRM_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of right lung
2596	TRM_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of right lung
2597	TRM_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of right lung
2598	TRM_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of right lung
2599	TRM_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of right lung
2600	TRM_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of right lung
2601	TRM_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of right lung
2602	TRM_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of right lung
2603	TRM_MEAN	Char	20	Average pixel values within middle third of right lung (HU)
2604	TRM_MED	Char	20	Median pixel values within middle third of right lung (HU)
2605	TRM_VAR	Char	20	Variance of pixel values within middle third of right lung
2606	TRM_SDEV	Char	20	Standard deviation of pixel values within middle third of right lung
2607	TRM_ADEV	Char	20	Average deviation of pixel values within middle third of right lung
2608	TRM_SKEW	Char	20	Skewness of pixel values in middle third of right lung
2609	TRM_KURT	Char	20	Kurtosis of pixel values in middle third of right lung
2610	TRM_FWHM	Char	20	Full width, half max (HU) for middle third of right lung
2611	TRM_AIRV	Char	20	Total volume of air in middle third of right lung (milliliters)
2612	TRM_TISV	Char	20	Total volume of tissue in middle third of right lung (ml)
2613	TRM_TOTV	Char	20	Total volume of middle third of right lung (ml)
2614	TRM_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of right lung
2615	TRM_ASLP	Char	20	The slope of the line at the ankle for middle third of right lung
2616	TRM_AINT	Char	20	The intercept of the line at the ankle for middle third of right lung
2617	TRM_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of right lung
2618	TRM_KSLP	Char	20	The slope of the line at the knee for middle third of right lung

Num	Variable	Type	Len	Label
2619	TRM_KINT	Char	20	The intercept of the line at the knee for middle third of right lung
2620	TRM_CCUTOFF	Char	20	middle third of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2621	TRM_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of right lung to emphysema voxels
2622	TRM_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of right lung to emphysema voxels
2623	TRM_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of right lung to emphysema voxels
2624	TRM_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of right lung to emphysema voxels
2625	TRM_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of right lung to emphysema voxels
2626	TRM_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of right lung to emphysema voxels
2627	TRM_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of right lung to emphysema voxels
2628	TRM_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of right lung to emphysema voxels
2629	TRM_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of right lung
2630	TRM_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of right lung
2631	TRM_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of right lung
2632	TRM_AIRWAYVX	Char	20	Total number of airway voxels in middle third of right lung
2633	TRM_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of right lung
2634	TRM_VESSELVX	Char	20	Total number of vessel voxels in middle third of right lung
2635	TRM_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of right lung
2636	TRMC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of core section of right lung
2637	TRMC_TOTVX	Char	20	Total number of voxels in middle third of core section of right lung
2638	TRMC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of core section of right lung
2639	TRMC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of core section of right lung
2640	TRMC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of core section of right lung
2641	TRMC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of core section of right lung
2642	TRMC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of core section of right lung
2643	TRMC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of core section of right lung
2644	TRMC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of core section of right lung

Num	Variable	Type	Len	Label
2645	TRMC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of core section of right lung
2646	TRMC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of core section of right lung
2647	TRMC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of core section of right lung
2648	TRMC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of core section of right lung
2649	TRMC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of core section of right lung
2650	TRMC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of core section of right lung
2651	TRMC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of core section of right lung
2652	TRMC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of core section of right lung
2653	TRMC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of core section of right lung
2654	TRMC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of core section of right lung
2655	TRMC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of core section of right lung
2656	TRMC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of core section of right lung
2657	TRMC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of core section of right lung
2658	TRMC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of core section of right lung
2659	TRMC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of core section of right lung
2660	TRMC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of core section of right lung
2661	TRMC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of core section of right lung
2662	TRMC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of core section of right lung
2663	TRMC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of core section of right lung
2664	TRMC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of core section of right lung
2665	TRMC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of core section of right lung
2666	TRMC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of core section of right lung
2667	TRMC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of core section of right lung

Num	Variable	Type	Len	Label
2668	TRMC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of core section of right lung
2669	TRMC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of core section of right lung
2670	TRMC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of core section of right lung
2671	TRMC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of core section of right lung
2672	TRMC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of core section of right lung
2673	TRMC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of core section of right lung
2674	TRMC_MEAN	Char	20	Average pixel values within middle third of core section of right lung (HU)
2675	TRMC_MED	Char	20	Median pixel values within middle third of core section of right lung (HU)
2676	TRMC_VAR	Char	20	Variance of pixel values within middle third of core section of right lung
2677	TRMC_SDEV	Char	20	Standard deviation of pixel values within middle third of core section of right lung
2678	TRMC_ADEV	Char	20	Average deviation of pixel values within middle third of core section of right lung
2679	TRMC_SKEW	Char	20	Skewness of pixel values in middle third of core section of right lung
2680	TRMC_KURT	Char	20	Kurtosis of pixel values in middle third of core section of right lung
2681	TRMC_FWHM	Char	20	Full width, half max (HU) for middle third of core section of right lung
2682	TRMC_AIRV	Char	20	Total volume of air in middle third of core section of right lung (milliliters)
2683	TRMC_TISV	Char	20	Total volume of tissue in middle third of core section of right lung (ml)
2684	TRMC_TOTV	Char	20	Total volume of middle third of core section of right lung (ml)
2685	TRMC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of core section of right lung
2686	TRMC_ASLP	Char	20	The slope of the line at the ankle for middle third of core section of right lung
2687	TRMC_AINT	Char	20	The intercept of the line at the ankle for middle third of core section of right lung
2688	TRMC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of core section of right lung
2689	TRMC_KSLP	Char	20	The slope of the line at the knee for middle third of core section of right lung
2690	TRMC_KINT	Char	20	The intercept of the line at the knee for middle third of core section of right lung
2691	TRMC_CCUTOFF	Char	20	middle third of core section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2692	TRMC_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of core section of right lung to emphysema voxels
2693	TRMC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of core section of right lung to emphysema voxels
2694	TRMC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of core section of right lung to emphysema voxels
2695	TRMC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of core section of right lung to emphysema voxels
2696	TRMC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of core section of right lung to emphysema voxels

Num	Variable	Type	Len	Label
2697	TRMC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of core section of right lung to emphysema voxels
2698	TRMC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of core section of right lung to emphysema voxels
2699	TRMC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of core section of right lung to emphysema voxels
2700	TRMC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of core section of right lung
2701	TRMC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of core section of right lung
2702	TRMC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of core section of right lung
2703	TRMC_AIRWAYVX	Char	20	Total number of airway voxels in middle third of core section of right lung
2704	TRMC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of core section of right lung
2705	TRMC_VESSELVX	Char	20	Total number of vessel voxels in middle third of core section of right lung
2706	TRMC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of core section of right lung
2707	TRMP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for middle third of peel section of right lung
2708	TRMP_TOTVX	Char	20	Total number of voxels in middle third of peel section of right lung
2709	TRMP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for middle third of peel section of right lung
2710	TRMP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for middle third of peel section of right lung
2711	TRMP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for middle third of peel section of right lung
2712	TRMP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for middle third of peel section of right lung
2713	TRMP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for middle third of peel section of right lung
2714	TRMP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for middle third of peel section of right lung
2715	TRMP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for middle third of peel section of right lung
2716	TRMP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for middle third of peel section of right lung
2717	TRMP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for middle third of peel section of right lung
2718	TRMP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for middle third of peel section of right lung
2719	TRMP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for middle third of peel section of right lung
2720	TRMP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for middle third of peel section of right lung
2721	TRMP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for middle third of peel section of right lung

Num	Variable	Type	Len	Label
2722	TRMP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for middle third of peel section of right lung
2723	TRMP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for middle third of peel section of right lung
2724	TRMP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for middle third of peel section of right lung
2725	TRMP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for middle third of peel section of right lung
2726	TRMP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for middle third of peel section of right lung
2727	TRMP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for middle third of peel section of right lung
2728	TRMP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for middle third of peel section of right lung
2729	TRMP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for middle third of peel section of right lung
2730	TRMP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for middle third of peel section of right lung
2731	TRMP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for middle third of peel section of right lung
2732	TRMP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for middle third of peel section of right lung
2733	TRMP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for middle third of peel section of right lung
2734	TRMP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for middle third of peel section of right lung
2735	TRMP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for middle third of peel section of right lung
2736	TRMP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for middle third of peel section of right lung
2737	TRMP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in middle third of peel section of right lung
2738	TRMP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in middle third of peel section of right lung
2739	TRMP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in middle third of peel section of right lung
2740	TRMP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in middle third of peel section of right lung
2741	TRMP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in middle third of peel section of right lung
2742	TRMP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in middle third of peel section of right lung
2743	TRMP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in middle third of peel section of right lung
2744	TRMP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in middle third of peel section of right lung
2745	TRMP_MEAN	Char	20	Average pixel values within middle third of peel section of right lung (HU)

Num	Variable	Type	Len	Label
2746	TRMP_MED	Char	20	Median pixel values within middle third of peel section of right lung (HU)
2747	TRMP_VAR	Char	20	Variance of pixel values within middle third of peel section of right lung
2748	TRMP_SDEV	Char	20	Standard deviation of pixel values within middle third of peel section of right lung
2749	TRMP_ADEV	Char	20	Average deviation of pixel values within middle third of peel section of right lung
2750	TRMP_SKEW	Char	20	Skewness of pixel values in middle third of peel section of right lung
2751	TRMP_KURT	Char	20	Kurtosis of pixel values in middle third of peel section of right lung
2752	TRMP_FWHM	Char	20	Full width, half max (HU) for middle third of peel section of right lung
2753	TRMP_AIRV	Char	20	Total volume of air in middle third of peel section of right lung (milliliters)
2754	TRMP_TISV	Char	20	Total volume of tissue in middle third of peel section of right lung (ml)
2755	TRMP_TOTV	Char	20	Total volume of middle third of peel section of right lung (ml)
2756	TRMP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for middle third of peel section of right lung
2757	TRMP_ASLP	Char	20	The slope of the line at the ankle for middle third of peel section of right lung
2758	TRMP_AINT	Char	20	The intercept of the line at the ankle for middle third of peel section of right lung
2759	TRMP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for middle third of peel section of right lung
2760	TRMP_KSLP	Char	20	The slope of the line at the knee for middle third of peel section of right lung
2761	TRMP_KINT	Char	20	The intercept of the line at the knee for middle third of peel section of right lung
2762	TRMP_CCUTOFF	Char	20	middle third of peel section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2763	TRMP_CVM	Char	20	Mean length of vectors drawn from the centroid of middle third of peel section of right lung to emphysema voxels
2764	TRMP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the middle third of peel section of right lung to emphysema voxels
2765	TRMP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the middle third of peel section of right lung to emphysema voxels
2766	TRMP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the middle third of peel section of right lung to emphysema voxels
2767	TRMP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the middle third of peel section of right lung to emphysema voxels
2768	TRMP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the middle third of peel section of right lung to emphysema voxels
2769	TRMP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of middle third of peel section of right lung to emphysema voxels
2770	TRMP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of middle third of peel section of right lung to emphysema voxels
2771	TRMP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for middle third of peel section of right lung
2772	TRMP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for middle third of peel section of right lung
2773	TRMP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for middle third of peel section of right lung
2774	TRMP_AIRWAYVX	Char	20	Total number of airway voxels in middle third of peel section of right lung

Num	Variable	Type	Len	Label
2775	TRMP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in middle third of peel section of right lung
2776	TRMP_VESSELVX	Char	20	Total number of vessel voxels in middle third of peel section of right lung
2777	TRMP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for middle third of peel section of right lung
2778	TRL_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower third of right lung
2779	TRL_TOTVX	Char	20	Total number of voxels in lower third of right lung
2780	TRL_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower third of right lung
2781	TRL_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower third of right lung
2782	TRL_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower third of right lung
2783	TRL_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower third of right lung
2784	TRL_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower third of right lung
2785	TRL_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower third of right lung
2786	TRL_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower third of right lung
2787	TRL_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower third of right lung
2788	TRL_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower third of right lung
2789	TRL_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower third of right lung
2790	TRL_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower third of right lung
2791	TRL_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower third of right lung
2792	TRL_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower third of right lung
2793	TRL_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower third of right lung
2794	TRL_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower third of right lung
2795	TRL_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower third of right lung
2796	TRL_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower third of right lung
2797	TRL_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower third of right lung
2798	TRL_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower third of right lung
2799	TRL_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower third of right lung
2800	TRL_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower third of right lung
2801	TRL_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower third of right lung
2802	TRL_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower third of right lung
2803	TRL_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower third of right lung
2804	TRL_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower third of right lung
2805	TRL_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower third of right lung
2806	TRL_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower third of right lung
2807	TRL_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower third of right lung
2808	TRL_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower third of right lung
2809	TRL_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower third of right lung
2810	TRL_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower third of right lung
2811	TRL_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower third of right lung

Num	Variable	Type	Len	Label
2812	TRL_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower third of right lung
2813	TRL_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower third of right lung
2814	TRL_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower third of right lung
2815	TRL_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower third of right lung
2816	TRL_MEAN	Char	20	Average pixel values within lower third of right lung (HU)
2817	TRL_MED	Char	20	Median pixel values within lower third of right lung (HU)
2818	TRL_VAR	Char	20	Variance of pixel values within lower third of right lung
2819	TRL_SDEV	Char	20	Standard deviation of pixel values within lower third of right lung
2820	TRL_ADEV	Char	20	Average deviation of pixel values within lower third of right lung
2821	TRL_SKEW	Char	20	Skewness of pixel values in lower third of right lung
2822	TRL_KURT	Char	20	Kurtosis of pixel values in lower third of right lung
2823	TRL_FWHM	Char	20	Full width, half max (HU) for lower third of right lung
2824	TRL_AIRV	Char	20	Total volume of air in lower third of right lung (milliliters)
2825	TRL_TISV	Char	20	Total volume of tissue in lower third of right lung (ml)
2826	TRL_TOTV	Char	20	Total volume of lower third of right lung (ml)
2827	TRL_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower third of right lung
2828	TRL_ASLP	Char	20	The slope of the line at the ankle for lower third of right lung
2829	TRL_AINT	Char	20	The intercept of the line at the ankle for lower third of right lung
2830	TRL_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower third of right lung
2831	TRL_KSLP	Char	20	The slope of the line at the knee for lower third of right lung
2832	TRL_KINT	Char	20	The intercept of the line at the knee for lower third of right lung
2833	TRL_CCUTOFF	Char	20	lower third of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2834	TRL_CVM	Char	20	Mean length of vectors drawn from the centroid of lower third of right lung to emphysema voxels
2835	TRL_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower third of right lung to emphysema voxels
2836	TRL_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower third of right lung to emphysema voxels
2837	TRL_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower third of right lung to emphysema voxels
2838	TRL_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower third of right lung to emphysema voxels
2839	TRL_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower third of right lung to emphysema voxels
2840	TRL_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower third of right lung to emphysema voxels
2841	TRL_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower third of right lung to emphysema voxels
2842	TRL_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower third of right lung

Num	Variable	Type	Len	Label
2843	TRL_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower third of right lung
2844	TRL_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower third of right lung
2845	TRL_AIRWAYVX	Char	20	Total number of airway voxels in lower third of right lung
2846	TRL_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower third of right lung
2847	TRL_VESSELVX	Char	20	Total number of vessel voxels in lower third of right lung
2848	TRL_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower third of right lung
2849	TRLC_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower third of core section of right lung
2850	TRLC_TOTVX	Char	20	Total number of voxels in lower third of core section of right lung
2851	TRLC_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower third of core section of right lung
2852	TRLC_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower third of core section of right lung
2853	TRLC_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower third of core section of right lung
2854	TRLC_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower third of core section of right lung
2855	TRLC_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower third of core section of right lung
2856	TRLC_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower third of core section of right lung
2857	TRLC_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower third of core section of right lung
2858	TRLC_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower third of core section of right lung
2859	TRLC_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower third of core section of right lung
2860	TRLC_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower third of core section of right lung
2861	TRLC_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower third of core section of right lung
2862	TRLC_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower third of core section of right lung
2863	TRLC_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower third of core section of right lung
2864	TRLC_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower third of core section of right lung
2865	TRLC_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower third of core section of right lung
2866	TRLC_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower third of core section of right lung
2867	TRLC_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower third of core section of right lung
2868	TRLC_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower third of core section of right lung

Num	Variable	Type	Len	Label
2869	TRLC_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower third of core section of right lung
2870	TRLC_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower third of core section of right lung
2871	TRLC_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower third of core section of right lung
2872	TRLC_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower third of core section of right lung
2873	TRLC_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower third of core section of right lung
2874	TRLC_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower third of core section of right lung
2875	TRLC_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower third of core section of right lung
2876	TRLC_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower third of core section of right lung
2877	TRLC_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower third of core section of right lung
2878	TRLC_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower third of core section of right lung
2879	TRLC_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower third of core section of right lung
2880	TRLC_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower third of core section of right lung
2881	TRLC_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower third of core section of right lung
2882	TRLC_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower third of core section of right lung
2883	TRLC_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower third of core section of right lung
2884	TRLC_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower third of core section of right lung
2885	TRLC_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower third of core section of right lung
2886	TRLC_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower third of core section of right lung
2887	TRLC_MEAN	Char	20	Average pixel values within lower third of core section of right lung (HU)
2888	TRLC_MED	Char	20	Median pixel values within lower third of core section of right lung (HU)
2889	TRLC_VAR	Char	20	Variance of pixel values within lower third of core section of right lung
2890	TRLC_SDEV	Char	20	Standard deviation of pixel values within lower third of core section of right lung
2891	TRLC_ADEV	Char	20	Average deviation of pixel values within lower third of core section of right lung
2892	TRLC_SKEW	Char	20	Skewness of pixel values in lower third of core section of right lung
2893	TRLC_KURT	Char	20	Kurtosis of pixel values in lower third of core section of right lung
2894	TRLC_FWHM	Char	20	Full width, half max (HU) for lower third of core section of right lung
2895	TRLC_AIRV	Char	20	Total volume of air in lower third of core section of right lung (milliliters)

Num	Variable	Type	Len	Label
2896	TRLC_TISV	Char	20	Total volume of tissue in lower third of core section of right lung (ml)
2897	TRLC_TOTV	Char	20	Total volume of lower third of core section of right lung (ml)
2898	TRLC_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower third of core section of right lung
2899	TRLC_ASLP	Char	20	The slope of the line at the ankle for lower third of core section of right lung
2900	TRLC_AINT	Char	20	The intercept of the line at the ankle for lower third of core section of right lung
2901	TRLC_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower third of core section of right lung
2902	TRLC_KSLP	Char	20	The slope of the line at the knee for lower third of core section of right lung
2903	TRLC_KINT	Char	20	The intercept of the line at the knee for lower third of core section of right lung
2904	TRLC_CCUTOFF	Char	20	lower third of core section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2905	TRLC_CVM	Char	20	Mean length of vectors drawn from the centroid of lower third of core section of right lung to emphysema voxels
2906	TRLC_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower third of core section of right lung to emphysema voxels
2907	TRLC_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower third of core section of right lung to emphysema voxels
2908	TRLC_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower third of core section of right lung to emphysema voxels
2909	TRLC_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower third of core section of right lung to emphysema voxels
2910	TRLC_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower third of core section of right lung to emphysema voxels
2911	TRLC_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower third of core section of right lung to emphysema voxels
2912	TRLC_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower third of core section of right lung to emphysema voxels
2913	TRLC_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower third of core section of right lung
2914	TRLC_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower third of core section of right lung
2915	TRLC_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower third of core section of right lung
2916	TRLC_AIRWAYVX	Char	20	Total number of airway voxels in lower third of core section of right lung
2917	TRLC_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower third of core section of right lung
2918	TRLC_VESSELVX	Char	20	Total number of vessel voxels in lower third of core section of right lung
2919	TRLC_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower third of core section of right lung
2920	TRLP_VXSIZE	Char	20	Volume of voxel in cubic millimeters for lower third of peel section of right lung
2921	TRLP_TOTVX	Char	20	Total number of voxels in lower third of peel section of right lung
2922	TRLP_B1024	Char	20	Number of voxels below or equal to -1024 hounsfield units for lower third of peel section of right lung

Num	Variable	Type	Len	Label
2923	TRLP_E1024	Char	20	Number of voxels equal to -1024 hounsfield units for lower third of peel section of right lung
2924	TRLP_B1000	Char	20	Number of voxels below or equal to -1000 hounsfield units for lower third of peel section of right lung
2925	TRLP_E1000	Char	20	Number of voxels equal to -1000 hounsfield units for lower third of peel section of right lung
2926	TRLP_BE960	Char	20	Number of voxels below or equal to -960 hounsfield units for lower third of peel section of right lung
2927	TRLP_BE950	Char	20	Number of voxels below or equal to -950 hounsfield units for lower third of peel section of right lung
2928	TRLP_BE940	Char	20	Number of voxels below or equal to -940 hounsfield units for lower third of peel section of right lung
2929	TRLP_BE930	Char	20	Number of voxels below or equal to -930 hounsfield units for lower third of peel section of right lung
2930	TRLP_BE920	Char	20	Number of voxels below or equal to -920 hounsfield units for lower third of peel section of right lung
2931	TRLP_BE910	Char	20	Number of voxels below or equal to -910 hounsfield units for lower third of peel section of right lung
2932	TRLP_BE900	Char	20	Number of voxels below or equal to -900 hounsfield units for lower third of peel section of right lung
2933	TRLP_BE890	Char	20	Number of voxels below or equal to -890 hounsfield units for lower third of peel section of right lung
2934	TRLP_BE870	Char	20	Number of voxels below or equal to -870 hounsfield units for lower third of peel section of right lung
2935	TRLP_BE856	Char	20	Number of voxels below or equal to -856 hounsfield units for lower third of peel section of right lung
2936	TRLP_BE850	Char	20	Number of voxels below or equal to -850 hounsfield units for lower third of peel section of right lung
2937	TRLP_BE830	Char	20	Number of voxels below or equal to -830 hounsfield units for lower third of peel section of right lung
2938	TRLP_BE810	Char	20	Number of voxels below or equal to -810 hounsfield units for lower third of peel section of right lung
2939	TRLP_BE660	Char	20	Number of voxels below or equal to -660 hounsfield units for lower third of peel section of right lung
2940	TRLP_BE640	Char	20	Number of voxels below or equal to -640 hounsfield units for lower third of peel section of right lung
2941	TRLP_BE620	Char	20	Number of voxels below or equal to -620 hounsfield units for lower third of peel section of right lung
2942	TRLP_BE600	Char	20	Number of voxels below or equal to -600 hounsfield units for lower third of peel section of right lung
2943	TRLP_BE550	Char	20	Number of voxels below or equal to -550 hounsfield units for lower third of peel section of right lung
2944	TRLP_BE500	Char	20	Number of voxels below or equal to -500 hounsfield units for lower third of peel section of right lung
2945	TRLP_BE450	Char	20	Number of voxels below or equal to -450 hounsfield units for lower third of peel section of right lung

Num	Variable	Type	Len	Label
2946	TRLP_BE400	Char	20	Number of voxels below or equal to -400 hounsfield units for lower third of peel section of right lung
2947	TRLP_BE350	Char	20	Number of voxels below or equal to -350 hounsfield units for lower third of peel section of right lung
2948	TRLP_BE300	Char	20	Number of voxels below or equal to -300 hounsfield units for lower third of peel section of right lung
2949	TRLP_BE250	Char	20	Number of voxels below or equal to -250 hounsfield units for lower third of peel section of right lung
2950	TRLP_AE50	Char	20	Number voxels above or equal to -50 hounsfield units in lower third of peel section of right lung
2951	TRLP_AE100	Char	20	Number voxels above or equal to -100 hounsfield units in lower third of peel section of right lung
2952	TRLP_AE150	Char	20	Number voxels above or equal to -150 hounsfield units in lower third of peel section of right lung
2953	TRLP_AE200	Char	20	Number voxels above or equal to -200 hounsfield units in lower third of peel section of right lung
2954	TRLP_AE250	Char	20	Number voxels above or equal to -250 hounsfield units in lower third of peel section of right lung
2955	TRLP_AE400	Char	20	Number voxels above or equal to -400 hounsfield units in lower third of peel section of right lung
2956	TRLP_AE500	Char	20	Number voxels above or equal to -500 hounsfield units in lower third of peel section of right lung
2957	TRLP_AE600	Char	20	Number voxels above or equal to -600 hounsfield units in lower third of peel section of right lung
2958	TRLP_MEAN	Char	20	Average pixel values within lower third of peel section of right lung (HU)
2959	TRLP_MED	Char	20	Median pixel values within lower third of peel section of right lung (HU)
2960	TRLP_VAR	Char	20	Variance of pixel values within lower third of peel section of right lung
2961	TRLP_SDEV	Char	20	Standard deviation of pixel values within lower third of peel section of right lung
2962	TRLP_ADEV	Char	20	Average deviation of pixel values within lower third of peel section of right lung
2963	TRLP_SKEW	Char	20	Skewness of pixel values in lower third of peel section of right lung
2964	TRLP_KURT	Char	20	Kurtosis of pixel values in lower third of peel section of right lung
2965	TRLP_FWHM	Char	20	Full width, half max (HU) for lower third of peel section of right lung
2966	TRLP_AIRV	Char	20	Total volume of air in lower third of peel section of right lung (milliliters)
2967	TRLP_TISV	Char	20	Total volume of tissue in lower third of peel section of right lung (ml)
2968	TRLP_TOTV	Char	20	Total volume of lower third of peel section of right lung (ml)
2969	TRLP_ANKL	Char	20	HU where the 2nd derivative is most positive (1st inflection point) on a plot of number of voxels versus HU for lower third of peel section of right lung
2970	TRLP_ASLP	Char	20	The slope of the line at the ankle for lower third of peel section of right lung
2971	TRLP_AINT	Char	20	The intercept of the line at the ankle for lower third of peel section of right lung
2972	TRLP_KNEE	Char	20	The HU where the 2nd derivative is most negative (2nd inflection point) on a plot of number of voxels versus HU for lower third of peel section of right lung
2973	TRLP_KSLP	Char	20	The slope of the line at the knee for lower third of peel section of right lung
2974	TRLP_KINT	Char	20	The intercept of the line at the knee for lower third of peel section of right lung

Num	Variable	Type	Len	Label
2975	TRLP_CCUTOFF	Char	20	lower third of peel section of right lung : definition of emphysema cutoff value (HU) values less than this are considered emphysema
2976	TRLP_CVM	Char	20	Mean length of vectors drawn from the centroid of lower third of peel section of right lung to emphysema voxels
2977	TRLP_CVSD	Char	20	Standard deviation of the length of vectors drawn from the centroid of the lower third of peel section of right lung to emphysema voxels
2978	TRLP_CVXM	Char	20	The X component of the mean vector drawn from the centroid of the lower third of peel section of right lung to emphysema voxels
2979	TRLP_CVXSD	Char	20	The X component of the standard deviation of the vectors from the centroid of the lower third of peel section of right lung to emphysema voxels
2980	TRLP_CVYM	Char	20	The Y component of the mean vector drawn from the centroid of the lower third of peel section of right lung to emphysema voxels
2981	TRLP_CVYSD	Char	20	The Y component of the standard deviation of the vectors from the centroid of the lower third of peel section of right lung to emphysema voxels
2982	TRLP_CVZM	Char	20	The Z component of the mean vector drawn from the centroid of lower third of peel section of right lung to emphysema voxels
2983	TRLP_CVZSD	Char	20	The Z component of the standard deviation of the vectors from the centroid of lower third of peel section of right lung to emphysema voxels
2984	TRLP_HU10	Char	20	Value of the pixel that is at the 10th percentile of pixel values for lower third of peel section of right lung
2985	TRLP_HU15	Char	20	Value of the pixel that is at the 15th percentile of pixel values for lower third of peel section of right lung
2986	TRLP_HU20	Char	20	Value of the pixel that is at the 20th percentile of pixel values for lower third of peel section of right lung
2987	TRLP_AIRWAYVX	Char	20	Total number of airway voxels in lower third of peel section of right lung
2988	TRLP_AIRWAYPERCENT	Char	20	Airway voxels percentage (AirwayVx / TotVx * 100) in lower third of peel section of right lung
2989	TRLP_VESSELVX	Char	20	Total number of vessel voxels in lower third of peel section of right lung
2990	TRLP_VESSELPERCENT	Char	20	Vessel voxels percentage (VesselVx / TotVx * 100) for lower third of peel section of right lung
2991	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
2992	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
2993	SESSION_ID_VERSION	Char	20	Version ID of the Session ID

Data Set Name: v2_ct_edftracking_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	
3	QA_NOISSUES	Num	8	QA_NoIssues
4	QA_INCORRECTPROTOCOL	Num	8	QA_IncorrectProtocol
5	QA_METALARTIFACT	Num	8	QA_MetalArtifact
6	QA_FIELDOFVIEWISSUES	Num	8	QA_FieldOfViewIssues
7	QA_MOTIONARTIFACT	Num	8	QA_MotionArtifact
8	QA_MISSINGSLICES	Num	8	QA_MissingSlices
9	QA_RADIATIONDOSEDEVIATION	Num	8	QA_RadiationDoseDeviation
10	QA_OTHERS	Num	8	QA_Others
11	QA_ROIOUTSIDEAIR	Num	8	QA_RoiOutsideAir
12	QA_ROIOUTSIDEAIRMEAN	Num	8	QA_RoiOutsideAirMean
13	QA_ROIOUTSIDEAIRSTDDEV	Num	8	QA_RoiOutsideAirStdDev
14	QA_ROIOUTSIDEAIRAREA	Num	8	QA_RoiOutsideAirArea
15	QA_APPROVEDFORANALYSIS	Num	8	QA_ApprovedForAnalysis
16	QA_REJECTEDFORANALYSIS	Num	8	QA_RejectedForAnalysis
17	AIRWAYS_RB1TARGETLEVEL	Char	2	Airways_RB1TargetLevel
18	AIRWAYS_RB1LEVEL	Char	2	Airways_RB1Level
19	AIRWAYS_RB1ISSUE	Char	13	Airways_RB1Issue
20	AIRWAYS_RB4TARGETLEVEL	Char	2	Airways_RB4TargetLevel
21	AIRWAYS_RB4LEVEL	Char	2	Airways_RB4Level
22	AIRWAYS_RB4ISSUE	Char	13	Airways_RB4Issue
23	AIRWAYS_RB10TARGETLEVEL	Char	2	Airways_RB10TargetLevel
24	AIRWAYS_RB10LEVEL	Char	2	Airways_RB10Level
25	AIRWAYS_RB10ISSUE	Char	13	Airways_RB10Issue
26	AIRWAYS_LB1TARGETLEVEL	Char	2	Airways_LB1TargetLevel
27	AIRWAYS_LB1LEVEL	Char	2	Airways_LB1Level
28	AIRWAYS_LB1ISSUE	Char	13	Airways_LB1Issue
29	AIRWAYS_LB10TARGETLEVEL	Char	2	Airways_LB10TargetLevel
30	AIRWAYS_LB10LEVEL	Char	2	Airways_LB10Level
31	AIRWAYS_LB10ISSUE	Char	13	Airways_LB10Issue
32	AIRWAYS_COMMENT	Char	143	Airways_Comment
33	LABELING_TRACHEAISSUE	Char	8	Labeling_TracheaIssue
34	LABELING_RMBISSUE	Char	13	Labeling_RMBIssue
35	LABELING_RULISSUE	Char	14	Labeling_RULIssue
36	LABELING_RB1ISSUE	Char	14	Labeling_RB1Issue
37	LABELING_RB2ISSUE	Char	14	Labeling_RB2Issue

Num	Variable	Type	Len	Label
38	LABELING_RB3ISSUE	Char	14	Labeling_RB3Issue
39	LABELING_BRONINTISSUE	Char	8	Labeling_BronIntIssue
40	LABELING_RB4_5ISSUE	Char	8	Labeling_RB4_5Issue
41	LABELING_RB4ISSUE	Char	14	Labeling_RB4Issue
42	LABELING_RB5ISSUE	Char	14	Labeling_RB5Issue
43	LABELING_RB6ISSUE	Char	13	Labeling_RB6Issue
44	LABELING_RLL7ISSUE	Char	13	Labeling_RLL7Issue
45	LABELING_RB7ISSUE	Char	14	Labeling_RB7Issue
46	LABELING_RLLISSUE	Char	8	Labeling_RLLIssue
47	LABELING_RB8ISSUE	Char	14	Labeling_RB8Issue
48	LABELING_RB9ISSUE	Char	14	Labeling_RB9Issue
49	LABELING_RB10ISSUE	Char	14	Labeling_RB10Issue
50	LABELING_LMBISSUE	Char	8	Labeling_LMBIssue
51	LABELING_LULISSUE	Char	13	Labeling_LULIssue
52	LABELING_LB1_2ISSUE	Char	14	Labeling_LB1_2Issue
53	LABELING_LB1ISSUE	Char	14	Labeling_LB1Issue
54	LABELING_LB2ISSUE	Char	14	Labeling_LB2Issue
55	LABELING_LB3ISSUE	Char	14	Labeling_LB3Issue
56	LABELING_LB4_5ISSUE	Char	14	Labeling_LB4_5Issue
57	LABELING_LB4ISSUE	Char	14	Labeling_LB4Issue
58	LABELING_LB5ISSUE	Char	14	Labeling_LB5Issue
59	LABELING_LLB6ISSUE	Char	13	Labeling_LLB6Issue
60	LABELING_LB6ISSUE	Char	14	Labeling_LB6Issue
61	LABELING_LLBISSUE	Char	14	Labeling_LLBIssue
62	LABELING_LB8ISSUE	Char	14	Labeling_LB8Issue
63	LABELING_LB9ISSUE	Char	14	Labeling_LB9Issue
64	LABELING_LB10ISSUE	Char	14	Labeling_LB10Issue
65	LABELING_COMMENT	Char	94	Labeling_Comment
66	LOBES_LULISSUE	Char	14	Lobes_LULIssue
67	LOBES_LLLISSUE	Char	14	Lobes_LLLIssue
68	LOBES_RULISSUE	Char	8	Lobes_RULIssue
69	LOBES_RMLISSUE	Char	14	Lobes_RMLIssue
70	LOBES_RLLISSUE	Char	14	Lobes_RLLIssue
71	LOBES_COMMENT	Char	64	Lobes_Comment
72	PROBLEMDATA_AIRWAY	Num	8	ProblemData_Airway
73	PROBLEMDATA_SKELETON	Num	8	ProblemData_Skeleton
74	PROBLEMDATA_LABELS	Num	8	ProblemData_Labels
75	PROBLEMDATA_LUNGS	Num	8	ProblemData_Lungs
76	PROBLEMDATA_VESSELS	Num	8	ProblemData_Vessels

Num	Variable	Type	Len	Label
77	PROBLEMDATA_LOBES	Num	8	ProblemData_Lobes
78	PROBLEMDATA_SUBLOBES	Num	8	ProblemData_SubLobes
79	PROBLEMDATA_FISSURE	Num	8	ProblemData_Fissure
80	PROBLEMDATA_COMMENT	Char	40	ProblemData_Comment

Data Set Name: v2_ct_lac_tlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	study visit
3	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime
4	SERIES_NAME	Char	26	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected)
10	QA_INCORRECTPROTOCOL	Char	5	Indicator that incorrect protocol was followed during CT scan
11	QA_METALARTIFACT	Char	5	Indicator of metal artifact in CT scan
12	QA_FIELDOFVIEWISSUES	Char	5	Indicator of field of view issues during CT scan
13	QA_MOTIONARTIFACT	Char	5	Indicator of motion artifact in CT scan
14	QA_MISSINGSLICES	Char	5	Indicator of missing slices in CT scan
15	QA_RADIATIONDOSEDEVIATION	Char	5	Indicator that the incorrect radiation dose was administered during CT scan
16	QA_OTHERS	Char	5	Indicator of other quality assurance issues in CT scan
17	ONE_VOXEL_BRIDGES_REMOVED	Char	3	Denotes that an interval bin in the log-log plot with a single low attentuation region was removed
18	ONE_COUNT_BINS_REMOVED	Char	3	Denotes that two low attenuation regions that were separated by a single voxel were divided into two separate regions
19	MIN_SIZE_THRESHOLD	Num	8	Minimum size threshold
20	MAX_SIZE_THRESHOLD	Num	8	Maximum size threshold
21	DIMENSION	Char	2	Dimension of region being calculated. 2d regions are calculated separately for each axial slice. 3d regions are calculated in a volumetric manner.
22	BOTH_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for both lungs
23	BOTH_SLOPE_BELOW_950	Num	8	Both lungs: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
24	BOTH_INTERCEPT_BELOW_950	Num	8	Both lungs: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
25	BOTH_R_SQUARED_BELOW_950	Num	8	Both lungs: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
26	BOTH_SLOPE_BELOW_910	Num	8	Both lungs: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
27	BOTH_INTERCEPT_BELOW_910	Num	8	Both lungs: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
28	BOTH_R_SQUARED_BELOW_910	Num	8	Both lungs: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
29	BOTH_SLOPE_BELOW_856	Num	8	Both lungs: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units

Num	Variable	Type	Len	Label
30	BOTH_INTERCEPT_BELOW_856	Num	8	Both lungs: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
31	BOTH_R_SQUARED_BELOW_856	Num	8	Both lungs: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
32	LEFT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lung
33	LEFT_SLOPE_BELOW_950	Num	8	Left lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
34	LEFT_INTERCEPT_BELOW_950	Num	8	Left lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
35	LEFT_R_SQUARED_BELOW_950	Num	8	Left lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
36	LEFT_SLOPE_BELOW_910	Num	8	Left lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
37	LEFT_INTERCEPT_BELOW_910	Num	8	Left lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
38	LEFT_R_SQUARED_BELOW_910	Num	8	Left lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
39	LEFT_SLOPE_BELOW_856	Num	8	Left lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
40	LEFT_INTERCEPT_BELOW_856	Num	8	Left lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
41	LEFT_R_SQUARED_BELOW_856	Num	8	Left lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
42	L_LOWER_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lower lung
43	LEFT_LOWER_SLOPE_BELOW_950	Num	8	Left lower lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
44	L_LOWER_INTERCEPT_BELOW_950	Num	8	Left lower lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
45	L_LOWER_R_SQUARED_BELOW_950	Num	8	Left lower lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
46	LEFT_LOWER_SLOPE_BELOW_910	Num	8	Left lower lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
47	L_LOWER_INTERCEPT_BELOW_910	Num	8	Left lower lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
48	L_LOWER_R_SQUARED_BELOW_910	Num	8	Left lower lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
49	LEFT_LOWER_SLOPE_BELOW_856	Num	8	Left lower lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
50	L_LOWER_INTERCEPT_BELOW_856	Num	8	Left lower lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
51	L_LOWER_R_SQUARED_BELOW_856	Num	8	Left lower lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
52	L_UPPER_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left upper lung
53	LEFT_UPPER_SLOPE_BELOW_950	Num	8	Left upper lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units

Num	Variable	Type	Len	Label
54	L_UPPER_INTERCEPT_BELOW_950	Num	8	Left upper lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
55	L_UPPER_R_SQUARED_BELOW_950	Num	8	Left upper lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
56	LEFT_UPPER_SLOPE_BELOW_910	Num	8	Left upper lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
57	L_UPPER_INTERCEPT_BELOW_910	Num	8	Left upper lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
58	L_UPPER_R_SQUARED_BELOW_910	Num	8	Left upper lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
59	LEFT_UPPER_SLOPE_BELOW_856	Num	8	Left upper lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
60	L_UPPER_INTERCEPT_BELOW_856	Num	8	Left upper lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
61	L_UPPER_R_SQUARED_BELOW_856	Num	8	Left upper lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
62	RIGHT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lung
63	RIGHT_SLOPE_BELOW_950	Num	8	Right lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
64	RIGHT_INTERCEPT_BELOW_950	Num	8	Right lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
65	RIGHT_R_SQUARED_BELOW_950	Num	8	Right lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
66	RIGHT_SLOPE_BELOW_910	Num	8	Right lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
67	RIGHT_INTERCEPT_BELOW_910	Num	8	Right lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
68	RIGHT_R_SQUARED_BELOW_910	Num	8	Right lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
69	RIGHT_SLOPE_BELOW_856	Num	8	Right lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
70	RIGHT_INTERCEPT_BELOW_856	Num	8	Right lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
71	RIGHT_R_SQUARED_BELOW_856	Num	8	Right lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
72	R_LOWER_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lower lung
73	RIGHT_LOWER_SLOPE_BELOW_950	Num	8	Right lower lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
74	R_LOWER_INTERCEPT_BELOW_950	Num	8	Right lower lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
75	R_LOWER_R_SQUARED_BELOW_950	Num	8	Right lower lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
76	RIGHT_LOWER_SLOPE_BELOW_910	Num	8	Right lower lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
77	R_LOWER_INTERCEPT_BELOW_910	Num	8	Right lower lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units

Num	Variable	Type	Len	Label
78	R_LOWER_R_SQUARED_BELOW_910	Num	8	Right lower lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
79	RIGHT_LOWER_SLOPE_BELOW_856	Num	8	Right lower lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
80	R_LOWER_INTERCEPT_BELOW_856	Num	8	Right lower lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
81	R_LOWER_R_SQUARED_BELOW_856	Num	8	Right lower lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
82	R_MIDDLE_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right middle lung
83	RIGHT_MIDDLE_SLOPE_BELOW_950	Num	8	Right middle lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
84	R_MIDDLE_INTERCEPT_BELOW_950	Num	8	Right middle lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
85	R_MIDDLE_R_SQUARED_BELOW_950	Num	8	Right middle lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
86	RIGHT_MIDDLE_SLOPE_BELOW_910	Num	8	Right middle lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
87	R_MIDDLE_INTERCEPT_BELOW_910	Num	8	Right middle lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
88	R_MIDDLE_R_SQUARED_BELOW_910	Num	8	Right middle lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
89	RIGHT_MIDDLE_SLOPE_BELOW_856	Num	8	Right middle lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
90	R_MIDDLE_INTERCEPT_BELOW_856	Num	8	Right middle lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
91	R_MIDDLE_R_SQUARED_BELOW_856	Num	8	Right middle lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units
92	R_UPPER_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right upper lung
93	RIGHT_UPPER_SLOPE_BELOW_950	Num	8	Right upper lung: slope (alpha) of the log-log plot below or equal to -950 Hounsfield Units
94	R_UPPER_INTERCEPT_BELOW_950	Num	8	Right upper lung: y-axis intercept of the log-log plot below or equal to -950 Hounsfield Units
95	R_UPPER_R_SQUARED_BELOW_950	Num	8	Right upper lung: Correlation coefficient of the log-log plot below or equal to -950 Hounsfield Units
96	RIGHT_UPPER_SLOPE_BELOW_910	Num	8	Right upper lung: slope (alpha) of the log-log plot below or equal to -910 Hounsfield Units
97	R_UPPER_INTERCEPT_BELOW_910	Num	8	Right upper lung: y-axis intercept of the log-log plot below or equal to -910 Hounsfield Units
98	R_UPPER_R_SQUARED_BELOW_910	Num	8	Right upper lung: Correlation coefficient of the log-log plot below or equal to -910 Hounsfield Units
99	RIGHT_UPPER_SLOPE_BELOW_856	Num	8	Right upper lung: slope (alpha) of the log-log plot below or equal to -856 Hounsfield Units
100	R_UPPER_INTERCEPT_BELOW_856	Num	8	Right upper lung: y-axis intercept of the log-log plot below or equal to -856 Hounsfield Units
101	R_UPPER_R_SQUARED_BELOW_856	Num	8	Right upper lung: Correlation coefficient of the log-log plot below or equal to -856 Hounsfield Units

Num	Variable	Type	Len	Label
102	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
103	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
104	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v2_ct_pi10_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	study visit
3	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime
4	SERIES_NAME	Char	26	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected)
10	QA_INCORRECTPROTOCOL	Char	5	Indicator that incorrect protocol was followed during CT scan
11	QA_METALARTIFACT	Char	5	Indicator of metal artifact in CT scan
12	QA_FIELDOFVIEWISSUES	Char	5	Indicator of field of view issues during CT scan
13	QA_MOTIONARTIFACT	Char	5	Indicator of motion artifact in CT scan
14	QA_MISSINGSLICES	Char	5	Indicator of missing slices in CT scan
15	QA_RADIATIONDOSEDEVIATION	Char	5	Indicator of incorrect radiation dose issues in CT scan
16	QA_OTHERS	Char	5	Indicator of other quality assurance issues in CT scan
17	PI10_LB1_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB1 path and subtree
18	PI10_LB1_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB1 path and subtree
19	PI10_LB10_PATH_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB10 path and subtree
20	PI10_LB10_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB10 path and subtree
21	PI10_LB4_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB4 path and subtree
22	PI10_LB4_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB4 path and subtree
23	PI10_RB1_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB1 path and subtree
24	PI10_RB1_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB1 path and subtree
25	PI10_RB10_PATH_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB10 path and subtree
26	PI10_RB10_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB10 path and subtree
27	PI10_RB4_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB4 path and subtree
28	PI10_RB4_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB4 path and subtree
29	PI10_WHOLE_TREE_ALL	Num	8	Pi10 value for all airways on whole airway tree
30	PI10_WHOLE_TREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on whole airway tree
31	PI10_LEFT_LUNG_ALL	Num	8	Pi10 value for all airways on left lung
32	PI10_LEFT_LUNG_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left lung

Num	Variable	Type	Len	Label
33	PI10_RIGHT_LUNG_ALL	Num	8	Pi10 value for all airways on right lung
34	PI10_RIGHT_LUNG_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right lung
35	PI10_LEFT_UPPER_LOBE_ALL	Num	8	Pi10 value for all airways on left upper lobe
36	PI10_LEFT_UPPER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left upper lobe
37	PI10_LEFT_LOWER_LOBE_ALL	Num	8	Pi10 value for all airways on left lower lobe
38	PI10_LEFT_LOWER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left lower lobe
39	PI10_RIGHT_UPPER_LOBE_ALL	Num	8	Pi10 value for all airways on right upper lobe
40	PI10_RIGHT_UPPER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right upper lobe
41	PI10_RIGHT_MIDDLE_LOBE_ALL	Num	8	Pi10 value for all airways on right middle lobe
42	PI10_RIGHT_MIDDLE_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right middle lobe
43	PI10_RIGHT_LOWER_LOBE_ALL	Num	8	Pi10 value for all airways on right lower lobe
44	PI10_RIGHT_LOWER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right lower lobe
45	PI10_LB2_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB2 path and subtree
46	PI10_LB2_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB2 path and subtree
47	PI10_LB3_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB3 path and subtree
48	PI10_LB3_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB3 path and subtree
49	PI10_LB5_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB5 path and subtree
50	PI10_LB5_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB5 path and subtree
51	PI10_LB6_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB6 path and subtree
52	PI10_LB6_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB6 path and subtree
53	PI10_LB8_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB8 path and subtree
54	PI10_LB8_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB8 path and subtree
55	PI10_LB9_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB9 path and subtree
56	PI10_LB9_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB9 path and subtree
57	PI10_RB2_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB2 path and subtree
58	PI10_RB2_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB2 path and subtree
59	PI10_RB3_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB3 path and subtree
60	PI10_RB3_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB3 path and subtree
61	PI10_RB5_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB5 path and subtree
62	PI10_RB5_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB5 path and subtree

Num	Variable	Type	Len	Label
63	PI10_RB6_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB6 path and subtree
64	PI10_RB6_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB6 path and subtree
65	PI10_RB7_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB7 path and subtree
66	PI10_RB7_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB7 path and subtree
67	PI10_RB8_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB8 path and subtree
68	PI10_RB8_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB8 path and subtree
69	PI10_RB9_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB9 path and subtree
70	PI10_RB9_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB9 path and subtree
71	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
72	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
73	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v2_ct_rv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	Study visit
3	STUDY_TIME	Char	8	Time of scan - (0008,0030) StudyTime
4	SERIES_NAME	Char	28	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Char	8	Time the series was reconstructed - (0008,0031) SeriesTime
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	MA	Num	8	X-ray tube current
10	PIXEL_SPACING	Num	8	Pixel size
11	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected) at Residual Volume (RV)
12	BOTH_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for both lungs at Residual Volume (RV)
13	BOTH_PCT_BE_950	Num	8	Both lungs: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
14	BOTH_PCT_BE_910	Num	8	Both lungs: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
15	BOTH_PCT_BE_856	Num	8	Both lungs: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
16	BOTH_PCT_AE_0	Num	8	Both lungs: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
17	BOTH_MEAN	Num	8	Both lungs: Mean lung density at Residual Volume (RV)
18	BOTH_SD	Num	8	Both lungs: Standard deviation of mean lung density at Residual Volume (RV)
19	BOTH_SKEW	Num	8	Both lungs: Skewness of lung density histogram at Residual Volume (RV)
20	BOTH_KURT	Num	8	Both lungs: Kurtosis of lung density histogram at Residual Volume (RV)
21	BOTH_AIR_V	Num	8	Both lungs: Total air volume at Residual Volume (RV)
22	BOTH_TIS_V	Num	8	Both lungs: Total tissue volume at Residual Volume (RV)
23	BOTH_TOT_V	Num	8	Both lungs: Total volume at Residual Volume (RV)
24	BOTH_HU15	Num	8	Both lungs: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
25	LEFT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lung at Residual Volume (RV)
26	LEFT_PCT_BE_950	Num	8	Left lung: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
27	LEFT_PCT_BE_910	Num	8	Left lung: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
28	LEFT_PCT_BE_856	Num	8	Left lung: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
29	LEFT_PCT_AE_0	Num	8	Left lung: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)

Num	Variable	Type	Len	Label
30	LEFT_MEAN	Num	8	Left lung: Mean lung density at Residual Volume (RV)
31	LEFT_SD	Num	8	Left lung: Standard deviation of mean lung density at Residual Volume (RV)
32	LEFT_SKEW	Num	8	Left lung: Skewness of lung density histogram at Residual Volume (RV)
33	LEFT_KURT	Num	8	Left lung: Kurtosis of lung density histogram at Residual Volume (RV)
34	LEFT_AIR_V	Num	8	Left lung: Total air volume at Residual Volume (RV)
35	LEFT_TIS_V	Num	8	Left lung: Total tissue volume at Residual Volume (RV)
36	LEFT_TOT_V	Num	8	Left lung: Total volume at Residual Volume (RV)
37	LEFT_HU15	Num	8	Left lung: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
38	LL_TOT_V	Num	8	Left lower lobe: Total volume at Residual Volume (RV)
39	RIGHT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lung at Residual Volume (RV)
40	RIGHT_PCT_BE_950	Num	8	Right lung: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
41	RIGHT_PCT_BE_910	Num	8	Right lung: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
42	RIGHT_PCT_BE_856	Num	8	Right lung: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
43	RIGHT_PCT_AE_0	Num	8	Right lung: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
44	RIGHT_MEAN	Num	8	Right lung: Mean lung density at Residual Volume (RV)
45	RIGHT_SD	Num	8	Right lung: Standard deviation of mean lung density at Residual Volume (RV)
46	RIGHT_SKEW	Num	8	Right lung: Skewness of lung density histogram at Residual Volume (RV)
47	RIGHT_KURT	Num	8	Right lung: Kurtosis of lung density histogram at Residual Volume (RV)
48	RIGHT_AIR_V	Num	8	Right lung: Total air volume at Residual Volume (RV)
49	RIGHT_TIS_V	Num	8	Right lung: Total tissue volume at Residual Volume (RV)
50	RIGHT_TOT_V	Num	8	Right lung: Total volume at Residual Volume (RV)
51	RIGHT_HU15	Num	8	Right lung: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
52	TLL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLL lung at Residual Volume (RV)
53	TLL_PCT_BE_950	Num	8	Left lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
54	TLL_PCT_BE_910	Num	8	Left lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
55	TLL_PCT_BE_856	Num	8	Left lower third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
56	TLL_PCT_AE_0	Num	8	Left lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
57	TLL_MEAN	Num	8	Left lower third: Mean lung density at Residual Volume (RV)
58	TLL_SD	Num	8	Left lower third: Standard deviation of mean lung density at Residual Volume (RV)
59	TLL_SKEW	Num	8	Left lower third: Skewness of lung density histogram at Residual Volume (RV)
60	TLL_KURT	Num	8	Left lower third: Kurtosis of lung density histogram at Residual Volume (RV)

Num	Variable	Type	Len	Label
61	TLL_AIR_V	Num	8	Left lower third: Total air volume at Residual Volume (RV)
62	TLL_TIS_V	Num	8	Left lower third: Total tissue volume at Residual Volume (RV)
63	TLL_TOT_V	Num	8	Left lower third: Total volume at Residual Volume (RV)
64	TLL_HU15	Num	8	Left lower third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
65	TLM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLM lung at Residual Volume (RV)
66	TLM_PCT_BE_950	Num	8	Left middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
67	TLM_PCT_BE_910	Num	8	Left middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
68	TLM_PCT_BE_856	Num	8	Left middle third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
69	TLM_PCT_AE_0	Num	8	Left middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
70	TLM_MEAN	Num	8	Left middle third: Mean lung density at Residual Volume (RV)
71	TLM_SD	Num	8	Left middle third: Standard deviation of mean lung density at Residual Volume (RV)
72	TLM_SKEW	Num	8	Left middle third: Skewness of lung density histogram at Residual Volume (RV)
73	TLM_KURT	Num	8	Left middle third: Kurtosis of lung density histogram at Residual Volume (RV)
74	TLM_AIR_V	Num	8	Left middle third: Total air volume at Residual Volume (RV)
75	TLM_TIS_V	Num	8	Left middle third: Total tissue volume at Residual Volume (RV)
76	TLM_TOT_V	Num	8	Left middle third: Total volume at Residual Volume (RV)
77	TLM_HU15	Num	8	Left middle third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
78	TLU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLU lung at Residual Volume (RV)
79	TLU_PCT_BE_950	Num	8	Left upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
80	TLU_PCT_BE_910	Num	8	Left upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
81	TLU_PCT_BE_856	Num	8	Left upper third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
82	TLU_PCT_AE_0	Num	8	Left upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
83	TLU_MEAN	Num	8	Left upper third: Mean lung density at Residual Volume (RV)
84	TLU_SD	Num	8	Left upper third: Standard deviation of mean lung density at Residual Volume (RV)
85	TLU_SKEW	Num	8	Left upper third: Skewness of lung density histogram at Residual Volume (RV)
86	TLU_KURT	Num	8	Left upper third: Kurtosis of lung density histogram at Residual Volume (RV)
87	TLU_AIR_V	Num	8	Left upper third: Total air volume at Residual Volume (RV)
88	TLU_TIS_V	Num	8	Left upper third: Total tissue volume at Residual Volume (RV)
89	TLU_TOT_V	Num	8	Left upper third: Total volume at Residual Volume (RV)

Num	Variable	Type	Len	Label
90	TLU_HU15	Num	8	Left upper third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
91	TRL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRL lung at Residual Volume (RV)
92	TRL_PCT_BE_950	Num	8	Right lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
93	TRL_PCT_BE_910	Num	8	Right lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
94	TRL_PCT_BE_856	Num	8	Right lower third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
95	TRL_PCT_AE_0	Num	8	Right lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
96	TRL_MEAN	Num	8	Right lower third: Mean lung density at Residual Volume (RV)
97	TRL_SD	Num	8	Right lower third: Standard deviation of mean lung density at Residual Volume (RV)
98	TRL_SKEW	Num	8	Right lower third: Skewness of lung density histogram at Residual Volume (RV)
99	TRL_KURT	Num	8	Right lower third: Kurtosis of lung density histogram at Residual Volume (RV)
100	TRL_AIR_V	Num	8	Right lower third: Total air volume at Residual Volume (RV)
101	TRL_TIS_V	Num	8	Right lower third: Total tissue volume at Residual Volume (RV)
102	TRL_TOT_V	Num	8	Right lower third: Total volume at Residual Volume (RV)
103	TRL_HU15	Num	8	Right lower third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
104	TRM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRM lung at Residual Volume (RV)
105	TRM_PCT_BE_950	Num	8	Right middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
106	TRM_PCT_BE_910	Num	8	Right middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
107	TRM_PCT_BE_856	Num	8	Right middle third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
108	TRM_PCT_AE_0	Num	8	Right middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
109	TRM_MEAN	Num	8	Right middle third: Mean lung density at Residual Volume (RV)
110	TRM_SD	Num	8	Right middle third: Standard deviation of mean lung density at Residual Volume (RV)
111	TRM_SKEW	Num	8	Right middle third: Skewness of lung density histogram at Residual Volume (RV)
112	TRM_KURT	Num	8	Right middle third: Kurtosis of lung density histogram at Residual Volume (RV)
113	TRM_AIR_V	Num	8	Right middle third: Total air volume at Residual Volume (RV)
114	TRM_TIS_V	Num	8	Right middle third: Total tissue volume at Residual Volume (RV)
115	TRM_TOT_V	Num	8	Right middle third: Total volume at Residual Volume (RV)
116	TRM_HU15	Num	8	Right middle third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)

Num	Variable	Type	Len	Label
117	TRU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRU lung at Residual Volume (RV)
118	TRU_PCT_BE_950	Num	8	Right upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
119	TRU_PCT_BE_910	Num	8	Right upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
120	TRU_PCT_BE_856	Num	8	Right upper third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
121	TRU_PCT_AE_0	Num	8	Right upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
122	TRU_MEAN	Num	8	Right upper third: Mean lung density at Residual Volume (RV)
123	TRU_SD	Num	8	Right upper third: Standard deviation of mean lung density at Residual Volume (RV)
124	TRU_SKEW	Num	8	Right upper third: Skewness of lung density histogram at Residual Volume (RV)
125	TRU_KURT	Num	8	Right upper third: Kurtosis of lung density histogram at Residual Volume (RV)
126	TRU_AIR_V	Num	8	Right upper third: Total air volume at Residual Volume (RV)
127	TRU_TIS_V	Num	8	Right upper third: Total tissue volume at Residual Volume (RV)
128	TRU_TOT_V	Num	8	Right upper third: Total volume at Residual Volume (RV)
129	TRU_HU15	Num	8	Right upper third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
130	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
131	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
132	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v2_ct_tlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	Study visit
3	STUDY_TIME	Char	10	Time of scan - (0008,0030) StudyTime
4	SERIES_NAME	Char	26	Series name - (0008,103e) SeriesDescription
5	SERIES_TIME	Char	11	Time the series was reconstructed - (0008,0031) SeriesTime
6	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
7	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
8	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
9	MA	Num	8	X-ray tube current
10	PIXEL_SPACING	Num	8	pixel size
11	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected) at Total Lung Capacity (TLC)
12	QA_INCORRECTPROTOCOL	Char	5	Indicator that incorrect protocol was followed during CT scan at Total Lung Capacity (TLC)
13	QA_METALARTIFACT	Char	5	Indicator of metal artifact in CT scan at Total Lung Capacity (TLC)
14	QA_FIELDOFVIEWISSUES	Char	5	Indicator of field of view issues during CT scan at Total Lung Capacity (TLC)
15	QA_MOTIONARTIFACT	Char	5	Indicator of motion artifact in CT scan at Total Lung Capacity (TLC)
16	QA_MISSINGSLICES	Char	5	Indicator of missing slices in CT scan at Total Lung Capacity (TLC)
17	QA_RADIATIONDOSEDEVIATION	Char	5	Indicator of incorrect radiation dose issues in CT scan at Total Lung Capacity (TLC)
18	QA_OTHERS	Char	5	Indicator of other quality assurance issues in CT scan at Total Lung Capacity (TLC)
19	BOTH_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for both lungs at Total Lung Capacity (TLC)
20	BOTH_PCT_BE_950	Num	8	Both lungs: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
21	BOTH_PCT_BE_910	Num	8	Both lungs: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
22	BOTH_PCT_BE_856	Num	8	Both lungs: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
23	BOTH_PCT_AE_0	Num	8	Both lungs: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
24	BOTH_MEAN	Num	8	Both lungs: Mean lung density at Total Lung Capacity (TLC)
25	BOTH_SD	Num	8	Both lungs: Standard deviation of mean lung density at Total Lung Capacity (TLC)
26	BOTH_SKEW	Num	8	Both lungs: Skewness of lung density histogram at Total Lung Capacity (TLC)
27	BOTH_KURT	Num	8	Both lungs: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
28	BOTH_AIR_V	Num	8	Both lungs: Total air volume at Total Lung Capacity (TLC)
29	BOTH_TIS_V	Num	8	Both lungs: Total tissue volume at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
30	BOTH_TOT_V	Num	8	Both lungs: Total volume at Total Lung Capacity (TLC)
31	BOTH_HU15	Num	8	Both lungs: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
32	LEFT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lung at Total Lung Capacity (TLC)
33	LEFT_PCT_BE_950	Num	8	Left lung: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
34	LEFT_PCT_BE_910	Num	8	Left lung: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
35	LEFT_PCT_BE_856	Num	8	Left lung: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
36	LEFT_PCT_AE_0	Num	8	Left lung: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
37	LEFT_MEAN	Num	8	Left lung: Mean lung density at Total Lung Capacity (TLC)
38	LEFT_SD	Num	8	Left lung: Standard deviation of mean lung density at Total Lung Capacity (TLC)
39	LEFT_SKEW	Num	8	Left lung: Skewness of lung density histogram at Total Lung Capacity (TLC)
40	LEFT_KURT	Num	8	Left lung: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
41	LEFT_AIR_V	Num	8	Left lung: Total air volume at Total Lung Capacity (TLC)
42	LEFT_TIS_V	Num	8	Left lung: Total tissue volume at Total Lung Capacity (TLC)
43	LEFT_TOT_V	Num	8	Left lung: Total volume at Total Lung Capacity (TLC)
44	LEFT_HU15	Num	8	Left lung: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
45	LL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for LL lung at Total Lung Capacity (TLC)
46	LL_PCT_BE_950	Num	8	Left lower lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
47	LL_PCT_BE_910	Num	8	Left lower lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
48	LL_PCT_BE_856	Num	8	Left lower lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
49	LL_PCT_AE_0	Num	8	Left lower lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
50	LL_MEAN	Num	8	Left lower lobe: Mean lung density at Total Lung Capacity (TLC)
51	LL_SD	Num	8	Left lower lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
52	LL_SKEW	Num	8	Left lower lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
53	LL_KURT	Num	8	Left lower lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
54	LL_AIR_V	Num	8	Left lower lobe: Total air volume at Total Lung Capacity (TLC)
55	LL_TIS_V	Num	8	Left lower lobe: Total tissue volume at Total Lung Capacity (TLC)
56	LL_TOT_V	Num	8	Left lower lobe: Total volume at Total Lung Capacity (TLC)
57	LL_HU15	Num	8	Left lower lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
58	LU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for LU lung at Total Lung Capacity (TLC)
59	LU_PCT_BE_950	Num	8	Left upper lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
60	LU_PCT_BE_910	Num	8	Left upper lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
61	LU_PCT_BE_856	Num	8	Left upper lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
62	LU_PCT_AE_0	Num	8	Left upper lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
63	LU_MEAN	Num	8	Left upper lobe: Mean lung density at Total Lung Capacity (TLC)
64	LU_SD	Num	8	Left upper lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
65	LU_SKEW	Num	8	Left upper lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
66	LU_KURT	Num	8	Left upper lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
67	LU_AIR_V	Num	8	Left upper lobe: Total air volume at Total Lung Capacity (TLC)
68	LU_TIS_V	Num	8	Left upper lobe: Total tissue volume at Total Lung Capacity (TLC)
69	LU_TOT_V	Num	8	Left upper lobe: Total volume at Total Lung Capacity (TLC)
70	LU_HU15	Num	8	Left upper lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
71	RIGHT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lung at Total Lung Capacity (TLC)
72	RIGHT_PCT_BE_950	Num	8	Right lung: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
73	RIGHT_PCT_BE_910	Num	8	Right lung: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
74	RIGHT_PCT_BE_856	Num	8	Right lung: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
75	RIGHT_PCT_AE_0	Num	8	Right lung: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
76	RIGHT_MEAN	Num	8	Right lung: Mean lung density at Total Lung Capacity (TLC)
77	RIGHT_SD	Num	8	Right lung: Standard deviation of mean lung density at Total Lung Capacity (TLC)
78	RIGHT_SKEW	Num	8	Right lung: Skewness of lung density histogram at Total Lung Capacity (TLC)
79	RIGHT_KURT	Num	8	Right lung: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
80	RIGHT_AIR_V	Num	8	Right lung: Total air volume at Total Lung Capacity (TLC)
81	RIGHT_TIS_V	Num	8	Right lung: Total tissue volume at Total Lung Capacity (TLC)
82	RIGHT_TOT_V	Num	8	Right lung: Total volume at Total Lung Capacity (TLC)
83	RIGHT_HU15	Num	8	Right lung: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
84	RL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RL lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
85	RL_PCT_BE_950	Num	8	Right lower lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
86	RL_PCT_BE_910	Num	8	Right lower lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
87	RL_PCT_BE_856	Num	8	Right lower lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
88	RL_PCT_AE_0	Num	8	Right lower lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
89	RL_MEAN	Num	8	Right lower lobe: Mean lung density at Total Lung Capacity (TLC)
90	RL_SD	Num	8	Right lower lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
91	RL_SKEW	Num	8	Right lower lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
92	RL_KURT	Num	8	Right lower lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
93	RL_AIR_V	Num	8	Right lower lobe: Total air volume at Total Lung Capacity (TLC)
94	RL_TIS_V	Num	8	Right lower lobe: Total tissue volume at Total Lung Capacity (TLC)
95	RL_TOT_V	Num	8	Right lower lobe: Total volume at Total Lung Capacity (TLC)
96	RL_HU15	Num	8	Right lower lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
97	RM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RM lung at Total Lung Capacity (TLC)
98	RM_PCT_BE_950	Num	8	Right middle lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
99	RM_PCT_BE_910	Num	8	Right middle lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
100	RM_PCT_BE_856	Num	8	Right middle lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
101	RM_PCT_AE_0	Num	8	Right middle lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
102	RM_MEAN	Num	8	Right middle lobe: Mean lung density at Total Lung Capacity (TLC)
103	RM_SD	Num	8	Right middle lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
104	RM_SKEW	Num	8	Right middle lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
105	RM_KURT	Num	8	Right middle lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
106	RM_AIR_V	Num	8	Right middle lobe: Total air volume at Total Lung Capacity (TLC)
107	RM_TIS_V	Num	8	Right middle lobe: Total tissue volume at Total Lung Capacity (TLC)
108	RM_TOT_V	Num	8	Right middle lobe: Total volume at Total Lung Capacity (TLC)
109	RM_HU15	Num	8	Right middle lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
110	RU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RU lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
111	RU_PCT_BE_950	Num	8	Right upper lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
112	RU_PCT_BE_910	Num	8	Right upper lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
113	RU_PCT_BE_856	Num	8	Right upper lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
114	RU_PCT_AE_0	Num	8	Right upper lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
115	RU_MEAN	Num	8	Right upper lobe: Mean lung density at Total Lung Capacity (TLC)
116	RU_SD	Num	8	Right upper lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
117	RU_SKEW	Num	8	Right upper lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
118	RU_KURT	Num	8	Right upper lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
119	RU_AIR_V	Num	8	Right upper lobe: Total air volume at Total Lung Capacity (TLC)
120	RU_TIS_V	Num	8	Right upper lobe: Total tissue volume at Total Lung Capacity (TLC)
121	RU_TOT_V	Num	8	Right upper lobe: Total volume at Total Lung Capacity (TLC)
122	RU_HU15	Num	8	Right upper lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
123	TLL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLL lung at Total Lung Capacity (TLC)
124	TLL_PCT_BE_950	Num	8	Left lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
125	TLL_PCT_BE_910	Num	8	Left lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
126	TLL_PCT_BE_856	Num	8	Left lower third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
127	TLL_PCT_AE_0	Num	8	Left lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
128	TLL_MEAN	Num	8	Left lower third: Mean lung density at Total Lung Capacity (TLC)
129	TLL_SD	Num	8	Left lower third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
130	TLL_SKEW	Num	8	Left lower third: Skewness of lung density histogram at Total Lung Capacity (TLC)
131	TLL_KURT	Num	8	Left lower third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
132	TLL_AIR_V	Num	8	Left lower third: Total air volume at Total Lung Capacity (TLC)
133	TLL_TIS_V	Num	8	Left lower third: Total tissue volume at Total Lung Capacity (TLC)
134	TLL_TOT_V	Num	8	Left lower third: Total volume at Total Lung Capacity (TLC)
135	TLL_HU15	Num	8	Left lower third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
136	TLM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLM lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
137	TLM_PCT_BE_950	Num	8	Left middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
138	TLM_PCT_BE_910	Num	8	Left middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
139	TLM_PCT_BE_856	Num	8	Left middle third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
140	TLM_PCT_AE_0	Num	8	Left middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
141	TLM_MEAN	Num	8	Left middle third: Mean lung density at Total Lung Capacity (TLC)
142	TLM_SD	Num	8	Left middle third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
143	TLM_SKEW	Num	8	Left middle third: Skewness of lung density histogram at Total Lung Capacity (TLC)
144	TLM_KURT	Num	8	Left middle third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
145	TLM_AIR_V	Num	8	Left middle third: Total air volume at Total Lung Capacity (TLC)
146	TLM_TIS_V	Num	8	Left middle third: Total tissue volume at Total Lung Capacity (TLC)
147	TLM_TOT_V	Num	8	Left middle third: Total volume at Total Lung Capacity (TLC)
148	TLM_HU15	Num	8	Left middle third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
149	TLU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLU lung at Total Lung Capacity (TLC)
150	TLU_PCT_BE_950	Num	8	Left upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
151	TLU_PCT_BE_910	Num	8	Left upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
152	TLU_PCT_BE_856	Num	8	Left upper third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
153	TLU_PCT_AE_0	Num	8	Left upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
154	TLU_MEAN	Num	8	Left upper third: Mean lung density at Total Lung Capacity (TLC)
155	TLU_SD	Num	8	Left upper third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
156	TLU_SKEW	Num	8	Left upper third: Skewness of lung density histogram at Total Lung Capacity (TLC)
157	TLU_KURT	Num	8	Left upper third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
158	TLU_AIR_V	Num	8	Left upper third: Total air volume at Total Lung Capacity (TLC)
159	TLU_TIS_V	Num	8	Left upper third: Total tissue volume at Total Lung Capacity (TLC)
160	TLU_TOT_V	Num	8	Left upper third: Total volume at Total Lung Capacity (TLC)
161	TLU_HU15	Num	8	Left upper third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
162	TRL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRL lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
163	TRL_PCT_BE_950	Num	8	Right lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
164	TRL_PCT_BE_910	Num	8	Right lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
165	TRL_PCT_BE_856	Num	8	Right lower third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
166	TRL_PCT_AE_0	Num	8	Right lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
167	TRL_MEAN	Num	8	Right lower third: Mean lung density at Total Lung Capacity (TLC)
168	TRL_SD	Num	8	Right lower third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
169	TRL_SKEW	Num	8	Right lower third: Skewness of lung density histogram at Total Lung Capacity (TLC)
170	TRL_KURT	Num	8	Right lower third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
171	TRL_AIR_V	Num	8	Right lower third: Total air volume at Total Lung Capacity (TLC)
172	TRL_TIS_V	Num	8	Right lower third: Total tissue volume at Total Lung Capacity (TLC)
173	TRL_TOT_V	Num	8	Right lower third: Total volume at Total Lung Capacity (TLC)
174	TRL_HU15	Num	8	Right lower third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
175	TRM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRM lung at Total Lung Capacity (TLC)
176	TRM_PCT_BE_950	Num	8	Right middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
177	TRM_PCT_BE_910	Num	8	Right middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
178	TRM_PCT_BE_856	Num	8	Right middle third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
179	TRM_PCT_AE_0	Num	8	Right middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
180	TRM_MEAN	Num	8	Right middle third: Mean lung density at Total Lung Capacity (TLC)
181	TRM_SD	Num	8	Right middle third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
182	TRM_SKEW	Num	8	Right middle third: Skewness of lung density histogram at Total Lung Capacity (TLC)
183	TRM_KURT	Num	8	Right middle third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
184	TRM_AIR_V	Num	8	Right middle third: Total air volume at Total Lung Capacity (TLC)
185	TRM_TIS_V	Num	8	Right middle third: Total tissue volume at Total Lung Capacity (TLC)
186	TRM_TOT_V	Num	8	Right middle third: Total volume at Total Lung Capacity (TLC)
187	TRM_HU15	Num	8	Right middle third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
188	TRU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRU lung at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
189	TRU_PCT_BE_950	Num	8	Right upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
190	TRU_PCT_BE_910	Num	8	Right upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
191	TRU_PCT_BE_856	Num	8	Right upper third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
192	TRU_PCT_AE_0	Num	8	Right upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
193	TRU_MEAN	Num	8	Right upper third: Mean lung density at Total Lung Capacity (TLC)
194	TRU_SD	Num	8	Right upper third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
195	TRU_SKEW	Num	8	Right upper third: Skewness of lung density histogram at Total Lung Capacity (TLC)
196	TRU_KURT	Num	8	Right upper third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
197	TRU_AIR_V	Num	8	Right upper third: Total air volume at Total Lung Capacity (TLC)
198	TRU_TIS_V	Num	8	Right upper third: Total tissue volume at Total Lung Capacity (TLC)
199	TRU_TOT_V	Num	8	Right upper third: Total volume at Total Lung Capacity (TLC)
200	TRU_HU15	Num	8	Right upper third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
201	LEFT_PCT_ABV_600	Num	8	Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
202	LEFT_PCT_ABV_650	Num	8	Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
203	RIGHT_PCT_ABV_600	Num	8	right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
204	RIGHT_PCT_ABV_650	Num	8	right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
205	BOTH_PCT_ABV_600	Num	8	Both lungs: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
206	BOTH_PCT_ABV_650	Num	8	Both lungs: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
207	LU_PCT_ABV_600	Num	8	Upper Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
208	LU_PCT_ABV_650	Num	8	Upper Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
209	LL_PCT_ABV_600	Char	15	Lower Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
210	LL_PCT_ABV_650	Char	15	Lower Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
211	RU_PCT_ABV_600	Num	8	Upper right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
212	RU_PCT_ABV_650	Num	8	Upper right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
213	RM_PCT_ABV_600	Num	8	Middle right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
214	RM_PCT_ABV_650	Num	8	Middle right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
215	RL_PCT_ABV_600	Char	15	Lower right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
216	RL_PCT_ABV_650	Char	15	Lower right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
217	TLU_PCT_ABV_600	Num	8	Left upper third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
218	TLU_PCT_ABV_650	Num	8	Left upper third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
219	TLM_PCT_ABV_600	Num	8	Left middle third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
220	TLM_PCT_ABV_650	Num	8	Left middle third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
221	TLL_PCT_ABV_600	Num	8	Left lower third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
222	TLL_PCT_ABV_650	Num	8	Left lower third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
223	TRU_PCT_ABV_600	Num	8	right upper third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
224	TRU_PCT_ABV_650	Num	8	right upper third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
225	TRM_PCT_ABV_600	Char	15	right middle third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
226	TRM_PCT_ABV_650	Char	15	right middle third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
227	TRL_PCT_ABV_600	Num	8	right lower third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
228	TRL_PCT_ABV_650	Num	8	right lower third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
229	PCT_EMPHYSEMA	Num	8	Percentage of emphysema in the lung based on -950 Hounsfield units
230	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
231	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment
232	SESSION_ID_VERSION	Char	15	Version ID of the Session ID

Data Set Name: v2_dem_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	DEM01A	Num	8	DEM01A Age
5	DEM02	Char	2	DEM02 Highest grade completed
6	DEM03	Char	1	DEM03 Marital status
7	DEM04	Char	1	DEM04 Total yearly household income
8	VERSION	Char	21	Version
9	DEM0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_derv_cbc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	CBC03_DERV	Num	8	3) Total red blood cells
5	CBC04_DERV	Num	8	4) Hemoglobin
6	CBC05_DERV	Num	8	5) Hemacrit
7	CBC06_DERV	Num	8	6) Mean corpuscular volume
8	CBC07_DERV	Num	8	7) Red blood cell distribution width
9	CBC08_DERV	Num	8	8) Total white blood cells
10	CBC09_DERV	Num	8	9) Neutrophil granulocyte
11	CBC10_DERV	Num	8	10) Lymphocytes
12	CBC11_DERV	Num	8	11) Monocytes
13	CBC12_DERV	Num	8	12) Eosinophil granuloctyes
14	CBC13_DERV	Num	8	13) Basophil granuloctyes
15	CBC14_DERV	Num	8	14) Platelet Count
16	CBC15_DERV	Num	8	15) Mean Platelet Volume
17	CBC16_DERV	Char	2000	16) Comments:
18	CBC09A_DERV	Num	8	9a) Neutrophil granulocyte %
19	CBC10A_DERV	Num	8	10a) Lymphocyte %
20	CBC11A_DERV	Num	8	11a) Monocyte %
21	CBC12A_DERV	Num	8	12a) Eosinophil granuloctye %
22	CBC13A_DERV	Num	8	13a) Basophil granuloctye %
23	VERSION	Char	21	Version
24	CBC0A_DERV_DAYS	Num	8	Form Date - Days from enrollment
25	CBC01_DERV_DAYS	Num	8	Form Date - Days from enrollment
26	CBC02_DERV_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_derv_post_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFV01	Char	9	study_id
5	PFV10	Char	15	Position
6	PFV12	Num	8	visit_num
7	PFV13	Num	8	interval_num
8	PFV14	Num	8	stage_num
9	PFV15	Num	8	seq_num
10	PFV16	Char	15	vlabel
11	PFV17	Num	8	repeats
12	PFV22B	Char	8	time
13	PFV23B	Char	8	time_best
14	PFV24B	Char	8	time_first
15	PFV27	Num	8	temperature
16	PFV28	Num	8	barometric
17	PFV29	Num	8	humidity
18	VERSION	Char	21	Version
19	PFV31_DERV	Num	8	Fvcpd_derv
20	PFV36_DERV	Num	8	Pctfvc_derv
21	PFV40_DERV	Num	8	Fvc_derv
22	PFV41	Num	8	flag_fvc_best
23	PFV49_DERV	Num	8	Fev3_derv
24	PFV51_DERV	Num	8	Fev6_derv
25	PFV68_DERV	Num	8	Expt_derv
26	PFV71_DERV	Num	8	Fivc_derv
27	PFV72_DERV	Num	8	Fiv05_derv
28	PFV73_DERV	Num	8	Fiv05fivc_derv
29	PFV74_DERV	Num	8	Fiv1_derv
30	PFV75_DERV	Num	8	Fiv1fivc_derv
31	PFV76_DERV	Num	8	Fiv3_derv
32	PFV78_DERV	Num	8	Fif212_derv
33	PFV79_DERV	Num	8	Fif2575_derv
34	PFV80_DERV	Num	8	Mit_derv
35	PFV30_DERV	Num	8	Fevpd_derv
36	PFV35_DERV	Num	8	Pctfev_derv
37	PFV43_DERV	Num	8	Fev05_derv

Num	Variable	Type	Len	Label
38	PFV45_DERV	Num	8	Fev1_derv
39	PFV46	Num	8	flag_fev_best
40	PFV66_DERV	Num	8	Vext_derv
41	PFV67_DERV	Num	8	Pctvext_derv
42	PFV69_DERV	Num	8	RVSPCA_derv
43	PFV70_DERV	Num	8	Fevdiff_derv
44	PFV33_DERV	Num	8	Fev1_fvcpd_derv
45	PFV39_DERV	Num	8	Pctfev_fvc_derv
46	PFV44_DERV	Num	8	Fev05fvc_derv
47	PFV47_DERV	Num	8	Fev1fvc_derv
48	PFV48	Num	8	flag_fevfvc_best
49	PFV50_DERV	Num	8	Fev3fvc_derv
50	PFV32_DERV	Num	8	Fefpd_derv
51	PFV37_DERV	Num	8	Pctfef2575_derv
52	PFV52_DERV	Num	8	Fef212_derv
53	PFV53_DERV	Num	8	Fef2575_derv
54	PFV54	Num	8	flag_fef2575_best
55	PFV55_DERV	Num	8	Fef25756_derv
56	PFV56_DERV	Num	8	Fef25_derv
57	PFV57_DERV	Num	8	Fef50_derv
58	PFV58_DERV	Num	8	Fef506_derv
59	PFV59_DERV	Num	8	Fef75_derv
60	PFV60_DERV	Num	8	Fef756_derv
61	PFV61_DERV	Num	8	Fef7585_derv
62	PFV64_DERV	Num	8	Met_derv
63	PFV34_DERV	Num	8	Pefpd_derv
64	PFV38_DERV	Num	8	Pctpefr_derv
65	PFV62_DERV	Num	8	Pefr_derv
66	PFV63	Num	8	flag_pefr_best
67	PFV65_DERV	Num	8	Peft_derv
68	PFV77_DERV	Num	8	Pifr_derv
69	POST_FEV1FVC_DERV	Num	8	post_BD derived FEV1 FVC ratio using best FEV1 and FVC value
70	PFV22A_DAYS	Num	8	Date - Days from enrollment
71	PFV23A_DAYS	Num	8	Date best - Days from enrollment
72	PFV24A_DAYS	Num	8	Date first - Days from enrollment
73	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v2_derv_post_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PSV01	Char	9	study_id
5	PSV10	Char	15	position
6	PSV12	Num	8	visit_num
7	PSV13	Char	15	interval_num
8	PSV14	Num	8	stage_num
9	PSV15	Num	8	seq_num
10	PSV16	Char	5	vlabel
11	PSV17	Num	8	repeats
12	PSV19	Char	15	qa_grade
13	PSV20	Char	15	qa_status
14	PSV23B	Char	8	time_best
15	PSV24B	Char	8	time_first
16	PSV28	Num	8	temperature
17	PSV29	Num	8	barometric
18	PSV30	Num	8	humidity
19	PSV32	Char	5	tom
20	VERSION	Char	21	Version
21	PSV33_DERV	Num	8	Svc_derv
22	PSV34_DERV	Num	8	Svcpd_derv
23	PSV35_DERV	Num	8	Pctsvc_derv
24	PSV36	Num	8	flag_svc_best
25	PSV37_DERV	Num	8	IC_derv
26	PSV38_DERV	Num	8	IRV_derv
27	PSV39_DERV	Num	8	ERV_derv
28	PSV40_DERV	Num	8	TV_derv
29	PSV22A_DAYS	Num	8	Date - Days from enrollment
30	PSV23A_DAYS	Num	8	Date best - Days from enrollment
31	PSV24A_DAYS	Num	8	Date first - Days from enrollment
32	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v2_derv_pre_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFV01	Char	9	study_id
5	SFV10	Char	15	Position
6	SFV12	Num	8	visit_num
7	SFV13	Num	8	interval_num
8	SFV14	Num	8	stage_num
9	SFV15	Num	8	seq_num
10	SFV16	Char	10	vlabel
11	SFV17	Num	8	repeats
12	SFV22B	Char	8	time
13	SFV23B	Char	8	time_best
14	SFV24B	Char	8	time_first
15	SFV27	Num	8	temperature
16	SFV28	Num	8	barometric
17	SFV29	Num	8	humidity
18	VERSION	Char	21	Version
19	SFV31_DERV	Num	8	Fvcpd_derv
20	SFV36_DERV	Num	8	Pctfvc_derv
21	SFV40_DERV	Num	8	Fvc_derv
22	SFV41	Num	8	flag_fvc_best
23	SFV49_DERV	Num	8	Fev3_derv
24	SFV51_DERV	Num	8	Fev6_derv
25	SFV68_DERV	Num	8	Expt_derv
26	SFV71_DERV	Num	8	Fivc_derv
27	SFV72_DERV	Num	8	Fiv05_derv
28	SFV73_DERV	Num	8	Fiv05fivc_derv
29	SFV74_DERV	Num	8	Fiv1_derv
30	SFV75_DERV	Num	8	Fiv1fivc_derv
31	SFV76_DERV	Num	8	Fiv3_derv
32	SFV78_DERV	Num	8	Fif212_derv
33	SFV79_DERV	Num	8	Fif2575_derv
34	SFV80_DERV	Num	8	Mit_derv
35	SFV30_DERV	Num	8	Fevpd_derv
36	SFV35_DERV	Num	8	Pctfev_derv
37	SFV43_DERV	Num	8	Fev05_derv

Num	Variable	Type	Len	Label
38	SFV45_DERV	Num	8	Fev1_derv
39	SFV46	Num	8	flag_fev_best
40	SFV66_DERV	Num	8	Vext_derv
41	SFV67_DERV	Num	8	Pctvext_derv
42	SFV33_DERV	Num	8	Fev1_fvcpd_derv
43	SFV39_DERV	Num	8	Pctfev_fvc_derv
44	SFV44_DERV	Num	8	Fev05fvc_derv
45	SFV47_DERV	Num	8	Fev1fvc_derv
46	SFV48	Num	8	flag_fevfvc_best
47	SFV50_DERV	Num	8	Fev3fvc_derv
48	SFV32_DERV	Num	8	Fefpd_derv
49	SFV37_DERV	Num	8	Pctfef2575_derv
50	SFV52_DERV	Num	8	Fef212_derv
51	SFV53_DERV	Num	8	Fef2575_derv
52	SFV54	Num	8	flag_fef2575_best
53	SFV55_DERV	Num	8	Fef25756_derv
54	SFV56_DERV	Num	8	Fef25_derv
55	SFV57_DERV	Num	8	Fef50_derv
56	SFV58_DERV	Num	8	Fef506_derv
57	SFV59_DERV	Num	8	Fef75_derv
58	SFV60_DERV	Num	8	Fef756_derv
59	SFV61_DERV	Num	8	Fef7585_derv
60	SFV64_DERV	Num	8	Met_derv
61	SFV34_DERV	Num	8	Pefpd_derv
62	SFV38_DERV	Num	8	Pctpefr_derv
63	SFV62_DERV	Num	8	Pefr_derv
64	SFV63	Num	8	flag_pefr_best
65	SFV65_DERV	Num	8	Peft_derv
66	SFV77_DERV	Num	8	Pifr_derv
67	PRE_FEV1FVC_DERV	Num	8	pre-BD derived FEV1 FVC ratio using best FEV1 and FVC value
68	SFV22A_DAYS	Num	8	Date - Days from enrollment
69	SFV23A_DAYS	Num	8	Date best - Days from enrollment
70	SFV24A_DAYS	Num	8	Date first - Days from enrollment
71	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v2_derv_pre_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SSV01	Char	9	study_id
5	SSV10	Char	15	position
6	SSV12	Num	8	visit_num
7	SSV13	Num	8	interval_num
8	SSV14	Num	8	stage_num
9	SSV15	Num	8	seq_num
10	SSV16	Char	5	vlabel
11	SSV17	Num	8	repeats
12	SSV19	Char	15	qa_grade
13	SSV20	Char	15	qa_status
14	SSV23B	Char	8	time_best
15	SSV28	Num	8	temperature
16	SSV29	Num	8	barometric
17	SSV30	Num	8	humidity
18	SSV31	Num	8	pre_washout_1
19	VERSION	Char	21	Version
20	SSV33_DERV	Num	8	Svc_derv
21	SSV34_DERV	Num	8	Svcpd_derv
22	SSV35_DERV	Num	8	Pctsvc_derv
23	SSV36	Num	8	flag_svc_best
24	SSV37_DERV	Num	8	IC_derv
25	SSV38_DERV	Num	8	IRV_derv
26	SSV39_DERV	Num	8	ERV_derv
27	SSV40_DERV	Num	8	TV_derv
28	SSV22A_DAYS	Num	8	Date - Days from enrollment
29	SSV23A_DAYS	Num	8	Date best - Days from enrollment
30	SSV24A_DAYS	Num	8	Date first - Days from enrollment
31	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v2_eca_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ECA1	Char	1	1. Have you ever used an electronic cigarette or eCigarette?
5	ECA3A	Char	1	3a. Usually were the eCigarettes you smoke/smoked with flavorings?
6	ECA3B	Char	1	3b. If yes, what flavor was it?
7	ECA4	Char	1	4. Do you still smoke eCigarettes?
8	ECA5A	Char	1	5a. Do you still smoke regular tobacco cigarettes?
9	ECA5B	Num	8	5b. If Yes, how many regular cigarettes do you smoke a day:
10	ECA5C	Char	1	5c. Has your use of eCigarettes decreased the number of regular cigarettes you smoke each day?
11	ECA5C1	Num	8	5c1. If Yes, about how many fewer cigarettes do you now smoke?
12	ECA6	Char	1	6. How often do you smoke eCigarettes?
13	ECA7	Char	1	7. When did you last smoke an eCigarette?
14	ECA8	Num	8	8. In the last 24 hours, how many times have you smoked an eCigarette?
15	ECA9A	Char	1	9a. What brand of eCigarette do you now smoke?
16	ECA9B	Char	100	9b. Specify:
17	ECA10A	Char	1	10a. What cartridge size do you use most often with your eCigarettes?
18	ECA11	Num	8	11. In one week, how many eCigarette cartridges do you use?
19	ECA12	Char	1	12. Did you start smoking eCigarettes because you wanted to cut down or stop smoking regular cigarettes?
20	ECA13	Char	1	13. Did you start smoking eCigarettes because you wanted to improve your health?
21	ECA14A	Num	8	how long did you smoke eCigarettes days
22	ECA14B	Num	8	how long did you smoke eCigarettes months
23	ECA14C	Num	8	how long did you smoke eCigarettes years
24	ECA15A	Num	8	how long has it been since you smoked eCigarettes days
25	ECA15B	Num	8	how long has it been since you smoked eCigarettes months
26	ECA15C	Num	8	how long has it been since you smoked eCigarettes years
27	ECA16	Char	1	16. When did you did smoke eCigarettes, how often did you smoke eCigarettes?
28	ECA17	Char	1	17. What brand of eCigarette did you usually smoke?
29	ECA17A	Char	100	17a. Specify:
30	ECA18A	Char	1	18a. What size cartridge did you use most often with your eCigarettes?
31	ECA19	Num	8	19. On average, in one week, how many eCigarette cartridges did you use?
32	VERSION	Char	21	Version
33	ECA0A_DAYS	Num	8	Form Date - Days from enrollment
34	ECA2_DAYS	Num	8	Date first started smoking eCigarettes - Days from enrollment

Data Set Name: v2_ecf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ECF0C	Char	1	0c. Has this participant previously completed the ECA - eCigarette Use Assessment form?
5	ECF1	Char	1	1. Have you used electronic cigarettes or eCigarettes since your last visit?
6	ECF3A	Char	1	3a. Usually were the eCigarettes you smoke/smoked with flavorings?
7	ECF3B	Char	1	3b. If yes, what flavor was it?
8	ECF4	Char	1	4. Do you still smoke eCigarettes?
9	ECF5A	Char	1	5a. Do you still smoke regular tobacco cigarettes?
10	ECF5B	Num	8	5b. If Yes, how many regular cigarettes do you smoke a day:
11	ECF5C	Char	1	5c. Has your use of eCigarettes decreased the number of regular cigarettes you smoke each day?
12	ECF5C1	Num	8	5c1. If Yes, about how many fewer cigarettes do you now smoke?
13	ECF6	Char	1	6. How often do you smoke eCigarettes?
14	ECF7	Char	1	7. When did you last smoke an eCigarette?
15	ECF8	Num	8	8. In the last 24 hours, how many times have you smoked an eCigarette?
16	ECF9A	Char	1	9a. What brand of eCigarette do you now smoke?
17	ECF9B	Char	100	9b. Specify:
18	ECF10A	Char	1	10a. What cartridge size do you use most often with your eCigarettes?
19	ECF11	Num	8	11. In one week, how many eCigarette cartridges do you use?
20	ECF12	Char	1	12. Did you start smoking eCigarettes because you wanted to cut down or stop smoking regular cigarettes?
21	ECF13	Char	1	13. Did you start smoking eCigarettes because you wanted to improve your health?
22	ECF14A	Num	8	how long did you smoke eCigarettes days
23	ECF14B	Num	8	how long did you smoke eCigarettes months
24	ECF14C	Num	8	how long did you smoke eCigarettes years
25	ECF15A	Num	8	how long has it been since you smoked eCigarettes days
26	ECF15B	Num	8	how long has it been since you smoked eCigarettes months
27	ECF15C	Num	8	how long has it been since you smoked eCigarettes years
28	ECF16	Char	1	16. When did you did smoke eCigarettes, how often did you smoke eCigarettes?
29	ECF17	Char	1	17. What brand of eCigarette did you usually smoke?
30	ECF17A	Char	100	17a. Specify:
31	ECF18A	Char	1	18a. What size cartridge did you use most often with your eCigarettes?
32	ECF19	Num	8	19. On average, in one week, how many eCigarette cartridges did you use?
33	VERSION	Char	21	Version
34	ECF0A_DAYS	Num	8	Form Date - Days from enrollment
35	ECF2_DAYS	Num	8	Date first started smoking eCigarettes - Days from enrollment

Data Set Name: v2_eha_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	EHA1	Char	1	1. Has your employment status changed in the last 12 months? (If 'No' or 'No Answer', go to item 18.)
5	EHA2	Char	1	2. How has your employment situation changed in the last 12 months? Have you (Please read all options before recording answer):
6	EHA7	Num	8	7. On average, how many hours per week do you work?
7	EHA8	Char	1	8. Does your current job expose you to vapors, gas, dust or fumes?
8	EHA9	Char	1	9. Did you leave your last job because of breathing or lung problems?
9	EHA10	Char	1	10. Did your last job expose you to vapors, gas, dust or fumes?
10	EHA11	Char	1	11. Are you no longer working at your last job at least in part to avoid the things that caused you difficulty breathing, such as air quality, temperature, or physical exertion?
11	EHA12	Char	1	12. Thinking back to when you were last employed, did you stop working, at least in part, because of missed time due to illness?
12	EHA13A	Char	1	13a. in a cotton, flax or hemp mill?
13	EHA13A1	Num	8	13a1. How many years?
14	EHA13B	Char	1	13b. in a foundry?
15	EHA13B1	Num	8	13b1. How many years?
16	EHA13C	Char	1	13c. in a glass works?
17	EHA13C1	Num	8	13c1. How many years?
18	EHA13D	Char	1	13d. in a mine?
19	EHA13D1	Num	8	13d1. How many years?
20	EHA13E	Char	1	13e. in a pottery?
21	EHA13E1	Num	8	13e1. How many years?
22	EHA13F	Char	1	13f. in a power plant?
23	EHA13F1	Num	8	13f1. How many years?
24	EHA13G	Char	1	13g. in a quarry?
25	EHA13G1	Num	8	13g1. How many years?
26	EHA13H	Char	1	13h. in a refinery?
27	EHA13H1	Num	8	13h1. How many years?
28	EHA13I	Char	1	13i. or with asbestos?
29	EHA13I1	Num	8	13i1. How many years?
30	EHA13J	Char	1	13j. in synthetic fibers or fabric manufacturing?
31	EHA13J1	Num	8	13j1. How many years?
32	EHA13K	Char	1	13k. in a paper mill?
33	EHA13K1	Num	8	13k1. How many years?
34	EHA13L	Char	1	13l. in building or highway construction?
35	EHA13L1	Num	8	13l1. How many years?

Num	Variable	Type	Len	Label
36	EHA13M	Char	1	13m. in an aluminum factory?
37	EHA13M1	Num	8	13m1. How many years?
38	EHA13N	Char	1	13n. in a rubber tire plant?
39	EHA13N1	Num	8	13n1. How many years?
40	EHA13O	Char	1	13o. in HVAC?
41	EHA13O1	Num	8	13o1. How many years?
42	EHA13P	Char	1	13p. in demolition?
43	EHA13P1	Num	8	13p1. How many years?
44	EHA13Q	Char	1	13q. in remodeling?
45	EHA13Q1	Num	8	13q1. How many years?
46	EHA13R	Char	1	13r. in professional cleaning?
47	EHA13R1	Num	8	13r1. How many years?
48	EHA13S	Char	1	13s. in beauty care?
49	EHA13S1	Num	8	13s1. How many years?
50	EHA13T	Char	1	13t. in agriculture?
51	EHA13T1	Num	8	13t1. How many years?
52	EHA13U	Char	1	13u. in the flooring industry?
53	EHA13U1	Num	8	13u1. How many years?
54	EHA14A	Char	1	14a. a boilermaker?
55	EHA14A1	Num	8	14a1. How many years?
56	EHA14B	Char	1	14b. a carpenter?
57	EHA14B1	Num	8	14b1. How many years?
58	EHA14C	Char	1	14c. a chemical worker?
59	EHA14C1	Num	8	14c1. How many years?
60	EHA14D	Char	1	14d. an electrician?
61	EHA14D1	Num	8	14d1. How many years?
62	EHA14E	Char	1	14e. an elevator operator?
63	EHA14E1	Num	8	14e1. How many years?
64	EHA14F	Char	1	14f. an insulator?
65	EHA14F1	Num	8	14f1. How many years?
66	EHA14G	Char	1	14g. a lather?
67	EHA14G1	Num	8	14g1. How many years?
68	EHA14H	Char	1	14h. a machinist?
69	EHA14H1	Num	8	14h1. How many years?
70	EHA14I	Char	1	14i. a mechanic?
71	EHA14I1	Num	8	14i1. How many years?
72	EHA14J	Char	1	14j. a millwright?
73	EHA14J1	Num	8	14j1. How many years?
74	EHA14K	Char	1	14k. a pipefitter?

Num	Variable	Type	Len	Label
75	EHA14K1	Num	8	14k1. How many years?
76	EHA14L	Char	1	14l. a plasterer?
77	EHA14L1	Num	8	14l1. How many years?
78	EHA14M	Char	1	14m. a plumber?
79	EHA14M1	Num	8	14m1. How many years?
80	EHA14N	Char	1	14n. a sander?
81	EHA14N1	Num	8	14n1. How many years?
82	EHA14O	Char	1	14o. a sheet metal worker?
83	EHA14O1	Num	8	14o1. How many years?
84	EHA14P	Char	1	14p. a steelworker?
85	EHA14P1	Num	8	14p1. How many years?
86	EHA14Q	Char	1	14q. a welder?
87	EHA14Q1	Num	8	14q1. How many years?
88	EHA14R	Char	1	14r. a pig farmer?
89	EHA14R1	Num	8	14r1. How many years?
90	EHA14S	Char	1	14s. a rigger?
91	EHA14S1	Num	8	14s1. How many years?
92	EHA14T	Char	1	14t. a roofer?
93	EHA14T1	Num	8	14t1. How many years?
94	EHA14U	Char	1	14u. a painter?
95	EHA14U1	Num	8	14u1. How many years?
96	EHA14V	Char	1	14v. a mason?
97	EHA14V1	Num	8	14v1. How many years?
98	EHA15A	Char	1	15a. Irritant gases, such as chlorine or ammonia?
99	EHA15A1	Num	8	15a1. How many years?
100	EHA15B	Char	1	15b. Fire, smoke or other combustion products?
101	EHA15B1	Num	8	15b1. How many years?
102	EHA15C	Char	1	15c. Incinerators, boilers, or oil refineries?
103	EHA15C1	Num	8	15c1. How many years?
104	EHA15D	Char	1	15d. Coal dust or powder?
105	EHA15D1	Num	8	15d1. How many years?
106	EHA15E	Char	1	15e. Silica or sand, or concrete or cement dust?
107	EHA15E1	Num	8	15e1. How many years?
108	EHA15F	Char	1	15f. Indoor fuel powered motors, compressors, or engines?
109	EHA15F1	Num	8	15f1. How many years?
110	EHA15G	Char	1	15g. Diesel engine exhaust?
111	EHA15G1	Num	8	15g1. How many years?
112	EHA15H	Char	1	15h. Wheat flour or other grain dusts?
113	EHA15H1	Num	8	15h1. How many years?

Num	Variable	Type	Len	Label
114	EHA15I	Char	1	15i. Animal feeds or fodder?
115	EHA15I1	Num	8	15i1. How many years?
116	EHA15J	Char	1	15j. Cotton dust or cotton processing?
117	EHA15J1	Num	8	15j1. How many years?
118	EHA15K	Char	1	15k. Wood dust or saw dust?
119	EHA15K1	Num	8	15k1. How many years?
120	EHA15L	Char	1	15l. Cadmium fumes or batteries or sliver solder?
121	EHA15L1	Num	8	15l1. How many years?
122	EHA15M	Char	1	15m. Other metal dusts or metal fumes?
123	EHA15M1	Num	8	15m1. How many years?
124	EHA15N	Char	1	15n. Welding or flame cutting?
125	EHA15N1	Num	8	15n1. How many years?
126	EHA15O	Char	1	15o. Fiberglass or other man-made mineral fibers?
127	EHA15O1	Num	8	15o1. How many years?
128	EHA15P	Char	1	15p. Explosives or blasting fumes?
129	EHA15P1	Num	8	15p1. How many years?
130	EHA16	Char	1	16. What type of mine was it?
131	EHA16A	Char	50	16a. Specify:
132	EHA17	Char	1	17. What was mined?
133	EHA17A	Char	50	17a. Specify:
134	EHA18A	Char	1	18a. in a cotton, flax or hemp mill?
135	EHA18A1	Num	8	18a1. How many years?
136	EHA18B	Char	1	18b. in a foundry?
137	EHA18B1	Num	8	18b1. How many years?
138	EHA18C	Char	1	18c. in a glass works?
139	EHA18C1	Num	8	18c1. How many years?
140	EHA18D	Char	1	18d. in a mine?
141	EHA18D1	Num	8	18d1. How many years?
142	EHA18E	Char	1	18e. in a pottery?
143	EHA18E1	Num	8	18e1. How many years?
144	EHA18F	Char	1	18f. in a power plant?
145	EHA18F1	Num	8	18f1. How many years?
146	EHA18G	Char	1	18g. in a quarry?
147	EHA18G1	Num	8	18g1. How many years?
148	EHA18H	Char	1	18h. in a refinery?
149	EHA18H1	Num	8	18h1. How many years?
150	EHA18I	Char	1	18i. or with asbestos?
151	EHA18I1	Num	8	18i1. How many years?
152	EHA18J	Char	1	18j. in synthetic fibers or fabric manufacturing?

Num	Variable	Type	Len	Label
153	EHA18J1	Num	8	18j1. How many years?
154	EHA18K	Char	1	18k. in a paper mill?
155	EHA18K1	Num	8	18k1. How many years?
156	EHA18L	Char	1	18l. in building or highway construction?
157	EHA18L1	Num	8	18l1. How many years?
158	EHA18M	Char	1	18m. in an aluminum factory?
159	EHA18M1	Num	8	18m1. How many years?
160	EHA18N	Char	1	18n. in a rubber tire plant?
161	EHA18N1	Num	8	18n1. How many years?
162	EHA18O	Char	1	18o. in HVAC?
163	EHA18O1	Num	8	18o1. How many years?
164	EHA18P	Char	1	18p. in demolition?
165	EHA18P1	Num	8	18p1. How many years?
166	EHA18Q	Char	1	18q. in remodeling?
167	EHA18Q1	Num	8	18q1. How many years?
168	EHA18R	Char	1	18r. in professional cleaning?
169	EHA18R1	Num	8	18r1. How many years?
170	EHA18S	Char	1	18s. in beauty care?
171	EHA18S1	Num	8	18s1. How many years?
172	EHA18T	Char	1	18t. in agriculture?
173	EHA18T1	Num	8	18t1. How many years?
174	EHA18U	Char	1	18u. in the flooring industry?
175	EHA18U1	Num	8	18u1. How many years?
176	EHA19A	Char	1	19a. a boilermaker?
177	EHA19A1	Num	8	19a1. How many years?
178	EHA19B	Char	1	19b. a carpenter?
179	EHA19B1	Num	8	19b1. How many years?
180	EHA19C	Char	1	19c. a chemical worker?
181	EHA19C1	Num	8	19c1. How many years?
182	EHA19D	Char	1	19d. an electrician?
183	EHA19D1	Num	8	19d1. How many years?
184	EHA19E	Char	1	19e. an elevator operator?
185	EHA19E1	Num	8	19e1. How many years?
186	EHA19F	Char	1	19f. an insulator?
187	EHA19F1	Num	8	19f1. How many years?
188	EHA19G	Char	1	19g. a lather?
189	EHA19G1	Num	8	19g1. How many years?
190	EHA19H	Char	1	19h. a machinist?
191	EHA19H1	Num	8	19h1. How many years?

Num	Variable	Type	Len	Label
192	EHA19I	Char	1	19i. a mechanic?
193	EHA19I1	Num	8	19i1. How many years?
194	EHA19J	Char	1	19j. a millwright?
195	EHA19J1	Num	8	19j1. How many years?
196	EHA19K	Char	1	19k. a pipefitter?
197	EHA19K1	Num	8	19k1. How many years?
198	EHA19L	Char	1	19l. a plasterer?
199	EHA19L1	Num	8	19l1. How many years?
200	EHA19M	Char	1	19m. a plumber?
201	EHA19M1	Num	8	19m1. How many years?
202	EHA19N	Char	1	19n. a sander?
203	EHA19N1	Num	8	19n1. How many years?
204	EHA19O	Char	1	19o. a sheet metal worker?
205	EHA19O1	Num	8	19o1. How many years?
206	EHA19P	Char	1	19p. a steelworker?
207	EHA19P1	Num	8	19p1. How many years?
208	EHA19Q	Char	1	19q. a welder?
209	EHA19Q1	Num	8	19q1. How many years?
210	EHA19R	Char	1	19r. a pig farmer?
211	EHA19R1	Num	8	19r1. How many years?
212	EHA19S	Char	1	19s. a rigger?
213	EHA19S1	Num	8	19s1. How many years?
214	EHA19T	Char	1	19t. a roofer?
215	EHA19T1	Num	8	19t1. How many years?
216	EHA19U	Char	1	19u. a painter?
217	EHA19U1	Num	8	19u1. How many years?
218	EHA19V	Char	1	19v. a mason?
219	EHA19V1	Num	8	19v1. How many years?
220	EHA20A	Char	1	20a. Irritant gases, such as chlorine or ammonia?
221	EHA20A1	Num	8	20a1. How many years?
222	EHA20B	Char	1	20b. Fire, smoke or other combustion products?
223	EHA20B1	Num	8	20b1. How many years?
224	EHA20C	Char	1	20c. Incinerators, boilers, or oil refineries?
225	EHA20C1	Num	8	20c1. How many years?
226	EHA20D	Char	1	20d. Coal dust or powder?
227	EHA20D1	Num	8	20d1. How many years?
228	EHA20E	Char	1	20e. Silica or sand, or concrete or cement dust?
229	EHA20E1	Num	8	20e1. How many years?
230	EHA20F	Char	1	20f. Indoor fuel powered motors, compressors, or engines?

Num	Variable	Type	Len	Label
231	EHA20F1	Num	8	20f1. How many years?
232	EHA20G	Char	1	20g. Diesel engine exhaust?
233	EHA20G1	Num	8	20g1. How many years?
234	EHA20H	Char	1	20h. Wheat flour or other grain dusts?
235	EHA20H1	Num	8	20h1. How many years?
236	EHA20I	Char	1	20i. Animal feeds or fodder?
237	EHA20I1	Num	8	20i1. How many years?
238	EHA20J	Char	1	20j. Cotton dust or cotton processing?
239	EHA20J1	Num	8	20j1. How many years?
240	EHA20K	Char	1	20k. Wood dust or saw dust?
241	EHA20K1	Num	8	20k1. How many years?
242	EHA20L	Char	1	20l. Cadmium fumes or batteries or sliver solder?
243	EHA20L1	Num	8	20l1. How many years?
244	EHA20M	Char	1	20m. Other metal dusts or metal fumes?
245	EHA20M1	Num	8	20m1. How many years?
246	EHA20N	Char	1	20n. Welding or flame cutting?
247	EHA20N1	Num	8	20n1. How many years?
248	EHA20O	Char	1	20o. Fiberglass or other man-made mineral fibers?
249	EHA20O1	Num	8	20o1. How many years?
250	EHA20P	Char	1	20p. Explosives or blasting fumes?
251	EHA20P1	Num	8	20p1. How many years?
252	EHA21	Char	1	21. What type of mine was it?
253	EHA21A	Char	50	21a. Specify:
254	EHA22	Char	1	22. What was mined?
255	EHA22A	Char	50	22a. Specify:
256	EHA6M	Num	8	Month of 6. Approximately what date did you begin working in this job?
257	EHA6D	Num	8	Day of 6. Approximately what date did you begin working in this job?
258	EHA6Y	Num	8	Year of 6. Approximately what date did you begin working in this job?
259	VERSION	Char	21	Version
260	EHA0A_DAYS	Num	8	Form Date - Days from enrollment
261	EHA6_DAYS	Num	8	Approximately what date did you begin working in this job? - Days from enrollment

Data Set Name: v2_fct_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	FCT01	Char	1	FCT01 Lack of energy
5	FCT02	Char	1	FCT02 Nausea
6	FCT03	Char	1	FCT03 Physical limitations
7	FCT04	Char	1	FCT04 Pain
8	FCT05	Char	1	FCT05 Side effects of treatment
9	FCT06	Char	1	FCT06 Illness
10	FCT07	Char	1	FCT07 Forced time in bed
11	FCT08	Char	1	FCT08 Closeness to friends
12	FCT09	Char	1	FCT09 Emotional support from family
13	FCT10	Char	1	FCT10 Support from friends
14	FCT11	Char	1	FCT11 Family accepted illness
15	FCT12	Char	1	FCT12 Satisfied with communication
16	FCT13	Char	1	FCT13 Closeness to partner
17	FCT14	Num	8	FCT14 Answer or mark box
18	FCT15	Char	1	FCT15 Satisfaction with sex life
19	FCT16	Char	1	FCT16 Feeling sad
20	FCT17	Char	1	FCT17 Satisfaction with coping
21	FCT18	Char	1	FCT18 Loss of hope
22	FCT19	Char	1	FCT19 Feeling nervous
23	FCT20	Char	1	FCT20 Worries about death
24	FCT21	Char	1	FCT21 Worry about worsening condition
25	FCT22	Char	1	FCT22 Ability to work
26	FCT23	Char	1	FCT23 Fulfillment of work
27	FCT24	Char	1	FCT24 Ability to enjoy life
28	FCT25	Char	1	FCT25 Acceptance of illness
29	FCT26	Char	1	FCT26 Sleeping well
30	FCT27	Char	1	FCT27 Enjoyment of fun activities
31	FCT28	Char	1	FCT28 Content with quality of life
32	FCT29	Char	1	FCT29 Feeling fatigued
33	FCT30	Char	1	FCT30 Feeling weak
34	FCT31	Char	1	FCT31 Feeling listless
35	FCT32	Char	1	FCT32 Feeling tired
36	FCT33	Char	1	FCT33 Trouble starting things
37	FCT34	Char	1	FCT34 Trouble finishing things

Num	Variable	Type	Len	Label
38	FCT35	Char	1	FCT35 Energy
39	FCT36	Char	1	FCT36 Ability to do usual activities
40	FCT37	Char	1	FCT37 Need to sleep during day
41	FCT38	Char	1	FCT38 Too tired to eat
42	FCT39	Char	1	FCT39 Need helping with usual activities
43	FCT40	Char	1	FCT40 Frustrated with fatigue
44	FCT41	Char	1	FCT41 Fatigue limits social activities
45	VERSION	Char	21	Version
46	FACIT_PHYSICALWELLBEINGSCORE02	Num	8	Year 1 FACIT physical wellbeing score
47	FACIT_SOCIALWELLBEINGSCORE02	Num	8	Year 1 FACIT social wellbeing score
48	FACIT_EMOTIONALWELLBEINGSCORE02	Num	8	Year 1 FACIT emotional wellbeing score
49	FACIT_FUNCTIONALWELLBEINGSCORE02	Num	8	Year 1 FACIT functional wellbeing score
50	FACIT_FATIGUESCORE02	Num	8	Year 1 FACIT fatigue score
51	FACIT_FTRIALOUTCOMEINDEX02	Num	8	Year 1 FACIT F trial outcome index score
52	FACIT_GTOTALSCORE02	Num	8	Year 1 FACIT G total score
53	FACIT_FTOTALSCORE02	Num	8	Year 1 FACIT F total score
54	FCT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_hds_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	HDS01	Num	8	HDS01 Feeling tense
5	HDS02	Num	8	HDS02 Enjoyment
6	HDS03	Char	1	HDS03 Feeling fearful
7	HDS04	Char	1	HDS04 Sense of humor
8	HDS05	Num	8	HDS05 Worried thoughts
9	HDS06	Num	8	HDS06 Feeling cheerful
10	HDS07	Num	8	HDS07 Ability to relax
11	HDS08	Num	8	HDS08 Feeling slowed down
12	HDS09	Num	8	HDS09 Feeling frightened
13	HDS10	Num	8	HDS10 Lost interest in appearance
14	HDS11	Num	8	HDS11 Feeling restless
15	HDS12	Num	8	HDS12 Looking forward
16	HDS13	Num	8	HDS13 Sudden feelings of panic
17	HDS14	Num	8	HDS14 Ability to enjoy
18	VERSION	Char	21	Version
19	HDS_ANXIETYSCORE02	Num	8	Year 1 HDS Anxiety Score
20	HDS_DEPRESSIONSCORE02	Num	8	Year 1 HDS Depression Score
21	HDS0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_hef_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	HEF1	Char	1	1. Since your last (clinic visit or telephone contact) on (date), have you had a flare-up of your chest trouble?
5	HEF1A	Num	8	1a. How many episodes of chest trouble flare ups have you had since (date)?
6	HEF2A	Char	1	2a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
7	HEF2B	Char	1	2b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
8	HEF2C	Char	1	2c. Did you take additional antibiotics but without contacting a healthcare provider?
9	HEF2D	Char	1	2d. Did you take additional oral steroids but without contacting a healthcare provider?
10	HEF2E	Char	1	2e. Were you evaluated in a physician's office or urgent care?
11	HEF2E1	Num	8	2e1. An additional antibiotic
12	HEF2E2	Num	8	2e2. Additional steroids
13	HEF2E3	Num	8	2e3. Don't know
14	HEF2E4	Num	8	2e4. Don't remember
15	HEF2F	Char	1	2f. Were you evaluated in an Emergency Department?
16	HEF2F1	Num	8	2f1. An additional antibiotic
17	HEF2F2	Num	8	2f2. Additional steroids
18	HEF2F3	Num	8	2f3. Don't know
19	HEF2F4	Num	8	2f4. Don't remember
20	HEF2G	Char	1	2g. Were you admitted to the hospital?
21	HEF4	Char	1	4. (do not ask) Did the participant have a second episode?
22	HEF5A	Char	1	5a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
23	HEF5B	Char	1	5b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
24	HEF5C	Char	1	5c. Did you take additional antibiotics but without contacting a healthcare provider?
25	HEF5D	Char	1	5d. Did you take additional oral steroids but without contacting a healthcare provider?
26	HEF5E	Char	1	5e. Were you evaluated in a physician's office or urgent care?
27	HEF5E1	Num	8	5e1. An additional antibiotic
28	HEF5E2	Num	8	5e2. Additional steroids
29	HEF5E3	Num	8	5e3. Don't know
30	HEF5E4	Num	8	5e4. Don't remember
31	HEF5F	Char	1	5f. Were you evaluated in an Emergency Department?
32	HEF5F1	Num	8	5f1. An additional antibiotic
33	HEF5F2	Num	8	5f2. Additional steroids
34	HEF5F3	Num	8	5f3. Don't know

Num	Variable	Type	Len	Label
35	HEF5F4	Num	8	5f4. Don't remember
36	HEF5G	Char	1	5g. Were you admitted to the hospital?
37	HEF7	Char	1	7. (do not ask) Did the participant have a third episode?
38	HEF8A	Char	1	8a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
39	HEF8B	Char	1	8b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
40	HEF8C	Char	1	8c. Did you take additional antibiotics but without contacting a healthcare provider?
41	HEF8D	Char	1	8d. Did you take additional oral steroids but without contacting a healthcare provider?
42	HEF8E	Char	1	8e. Were you evaluated in a physician's office or urgent care?
43	HEF8E1	Num	8	8e1. An additional antibiotic
44	HEF8E2	Num	8	8e2. Additional steroids
45	HEF8E3	Num	8	8e3. Don't know
46	HEF8E4	Num	8	8e4. Don't remember
47	HEF8F	Char	1	8f. Were you evaluated in an Emergency Department?
48	HEF8F1	Num	8	8f1. An additional antibiotic
49	HEF8F2	Num	8	8f2. Additional steroids
50	HEF8F3	Num	8	8f3. Don't know
51	HEF8F4	Num	8	8f4. Don't remember
52	HEF8G	Char	1	8g. Were you admitted to the hospital?
53	HEF10	Char	1	10. (do not ask) Did the participant have a fourth episode?
54	HEF11A	Char	1	11a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
55	HEF11B	Char	1	11b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
56	HEF11C	Char	1	11c. Did you take additional antibiotics but without contacting a healthcare provider?
57	HEF11D	Char	1	11d. Did you take additional oral steroids but without contacting a healthcare provider?
58	HEF11E	Char	1	11e. Were you evaluated in a physician's office or urgent care?
59	HEF11E1	Num	8	11e1. An additional antibiotic
60	HEF11E2	Num	8	11e2. Additional steroids
61	HEF11E3	Num	8	11e3. Don't know
62	HEF11E4	Num	8	11e4. Don't remember
63	HEF11F	Char	1	11f. Were you evaluated in an Emergency Department?
64	HEF11F1	Num	8	11f1. An additional antibiotic
65	HEF11F2	Num	8	11f2. Additional steroids
66	HEF11F3	Num	8	11f3. Don't know
67	HEF11F4	Num	8	11f4. Don't remember
68	HEF11G	Char	1	11g. Were you admitted to the hospital?
69	HEF13	Char	1	13. (do not ask) Did the participant have a fifth episode?

Num	Variable	Type	Len	Label
70	HEF14A	Char	1	14a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
71	HEF14B	Char	1	14b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
72	HEF14C	Char	1	14c. Did you take additional antibiotics but without contacting a healthcare provider?
73	HEF14D	Char	1	14d. Did you take additional oral steroids but without contacting a healthcare provider?
74	HEF14E	Char	1	14e. Were you evaluated in a physician's office or urgent care?
75	HEF14E1	Num	8	14e1. An additional antibiotic
76	HEF14E2	Num	8	14e2. Additional steroids
77	HEF14E3	Num	8	14e3. Don't know
78	HEF14E4	Num	8	14e4. Don't remember
79	HEF14F	Char	1	14f. Were you evaluated in an Emergency Department?
80	HEF14F1	Num	8	14f1. An additional antibiotic
81	HEF14F2	Num	8	14f2. Additional steroids
82	HEF14F3	Num	8	14f3. Don't know
83	HEF14F4	Num	8	14f4. Don't remember
84	HEF14G	Char	1	14g. Were you admitted to the hospital?
85	HEF16	Char	1	16. (do not ask) Did the participant have a fifth episode?
86	HEF17A	Char	1	17a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
87	HEF17B	Char	1	17b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
88	HEF17C	Char	1	17c. Did you take additional antibiotics but without contacting a healthcare provider?
89	HEF17D	Char	1	17d. Did you take additional oral steroids but without contacting a healthcare provider?
90	HEF17E	Char	1	17e. Were you evaluated in a physician's office or urgent care?
91	HEF17E1	Num	8	17e1. An additional antibiotic
92	HEF17E2	Num	8	17e2. Additional steroids
93	HEF17E3	Num	8	17e3. Don't know
94	HEF17E4	Num	8	17e4. Don't remember
95	HEF17F	Char	1	17f. Were you evaluated in an Emergency Department?
96	HEF17F1	Num	8	17f1. An additional antibiotic
97	HEF17F2	Num	8	17f2. Additional steroids
98	HEF17F3	Num	8	17f3. Don't know
99	HEF17F4	Num	8	17f4. Don't remember
100	HEF17G	Char	1	17g. Were you admitted to the hospital?
101	HEF19	Char	1	19. Since your last (center visit or telephone contact) on (date), have you at any time been admitted to a hospital (For COPD Participants: for any reason other than a chest flare up)?
102	HEF20	Num	8	20. How many hospitalizations have you had since (date)?
103	HEF21E	Char	1	21e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?

Num	Variable	Type	Len	Label
104	HEF22E	Char	1	22e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
105	HEF23E	Char	1	23e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
106	HEF24E	Char	1	24e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
107	HEF25E	Char	1	25e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
108	VERSION	Char	21	Version
109	HEF0A_DAYS	Num	8	Form Date - Days from enrollment
110	HEF12A_DAYS	Num	8	12a. What was the date of this event? - Days from enrollment
111	HEF15A_DAYS	Num	8	15a. What was the date of this event? - Days from enrollment
112	HEF18A_DAYS	Num	8	18a. What was the date of this event? - Days from enrollment
113	HEF21A_DAYS	Num	8	21a. What was the date of this event? - Days from enrollment
114	HEF22A_DAYS	Num	8	22a. What was the date of this event? - Days from enrollment
115	HEF23A_DAYS	Num	8	23a. What was the date of this event? - Days from enrollment
116	HEF24A_DAYS	Num	8	24a. What was the date of this event? - Days from enrollment
117	HEF25A_DAYS	Num	8	25a. What was the date of this event? - Days from enrollment
118	HEF26A_DAYS	Num	8	26a. What was the date of this event? - Days from enrollment
119	HEF3A_DAYS	Num	8	3a. What was the date of this event? - Days from enrollment
120	HEF6A_DAYS	Num	8	6a. What was the date of this event? - Days from enrollment
121	HEF9A_DAYS	Num	8	9a. What was the date of this event? - Days from enrollment

Data Set Name: v2_isp_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ISP01A	Num	8	1) 10% fall from
5	ISP01B	Num	8	is
6	ISP02A	Num	8	2) 20% fall from
7	ISP02B	Num	8	is
8	ISP03	Num	8	3) Was the participant given albuterol prior to suptum induction?
9	ISP03A	Num	8	3a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
10	ISP03B	Num	8	3b) How many puffs of albuterol was the participant given?
11	ISP04A	Num	8	a) FEV1
12	ISP05A	Num	8	a) FEV1
13	ISP06A	Num	8	a) FEV1
14	ISP08	Char	1	8) Spirometry ok to continue?
15	ISP09A	Num	8	a) FEV1
16	ISP10A	Num	8	a) FEV1
17	ISP11A	Num	8	a) FEV1
18	ISP12A	Num	8	a) FEV1
19	ISP13A	Num	8	a) FEV1
20	ISP14A	Num	8	a) FEV1
21	ISP15A	Num	8	a) FEV1
22	ISP16	Char	1	16) First 7 minutes complete, continue induction? (If 'No', go to item 27)
23	ISP17	Char	1	17) If yes, % NaCl used:
24	ISP18A	Num	8	a) FEV1
25	ISP19A	Num	8	a) FEV1
26	ISP20A	Num	8	a) FEV1
27	ISP21A	Num	8	a) FEV1
28	ISP22	Char	1	22) Second 7 minutes complete, continue induction? (If 'No', go to item 27)
29	ISP23A	Num	8	a) FEV1
30	ISP24A	Num	8	a) FEV1
31	ISP25A	Num	8	a) FEV1
32	ISP26A	Num	8	a) FEV1
33	ISP27	Char	1	27) Was the participant able to produce sputum?
34	ISP28	Char	1	28) Was the induction terminated early? (If 'No', 30)
35	ISP29	Char	1	29) Reason terminated early
36	ISP30	Char	1	30) Did the participant require additional albuterol?
37	ISP31A	Num	8	a) FEV1

Num	Variable	Type	Len	Label
38	ISP32A	Num	8	a) FEV1
39	ISP33A	Num	8	a) FEV1
40	ISP0D	Char	5	Time Collected
41	ISP0D_AMPM	Char	1	AM/PM
42	VERSION	Char	21	Version
43	ISP0A_DAYS	Num	8	Form Date - Days from enrollment
44	ISP0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v2_isw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ISW01A	Num	8	1) 10% fall from
5	ISW01B	Num	8	is
6	ISW02A	Num	8	2) 20% fall from
7	ISW02B	Num	8	is
8	ISW03	Num	8	3) Was the participant given albuterol prior to suptum induction?
9	ISW03A	Num	8	3a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
10	ISW03B	Num	8	3b) How many puffs of albuterol was the participant given?
11	ISW04A	Num	8	a) FEV1:
12	ISW05A	Num	8	a) FEV1:
13	ISW06A	Num	8	a) FEV1:
14	ISW08	Char	1	8) Spirometry ok to continue?
15	ISW09A	Num	8	a) FEV1
16	ISW10A	Num	8	a) FEV1
17	ISW11A	Num	8	a) FEV1
18	ISW12A	Num	8	a) FEV1
19	ISW13A	Num	8	a) FEV1
20	ISW14	Char	1	14) First 7 minutes complete, continue induction? (If 'No', go to item 20)
21	ISW15	Char	1	15) If yes, % NaCl used:
22	ISW16A	Num	8	a) FEV1
23	ISW17A	Num	8	a) FEV1
24	ISW18	Char	1	18) Second 7 minutes complete, continue induction? (If 'No', go to item 20)
25	ISW19	Char	1	19) If yes, % NaCl used:
26	ISW20A	Num	8	a) FEV1
27	ISW21A	Num	8	a) FEV1
28	ISW22	Char	1	22) Was the participant able to produce sputum?
29	ISW23	Char	1	23) Was the induction terminated early?
30	ISW24	Char	1	24) Reason terminated early
31	ISW25	Char	1	25) Did the participant require additional albuterol?
32	ISW26A	Num	8	a) FEV1
33	ISW27A	Num	8	a) FEV1
34	ISW28A	Num	8	a) FVC
35	ISW29	Char	2000	29) Note reason and time point obtained
36	ISW0D	Char	5	Time Collected
37	ISW0D_AMPM	Char	1	AM/PM

Num	Variable	Type	Len	Label
38	VERSION	Char	21	Version
39	ISW0A_DAYS	Num	8	Form Date - Days from enrollment
40	ISW0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v2_mcq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	FORM	Char	10	Form
2	VISIT	Char	10	Visit
3	MCQ01	Char	1	MCQ01 Frequency of cough today
4	MCQ02	Char	1	MCQ02 Frequency of cough last night
5	MCQ03	Char	1	MCQ03 Severity of cough episodes
6	MCQ04	Char	1	MCQ04 Ease of coughing up sputum today
7	MCQ05	Char	1	MCQ05 Chest tightness/discomfort today
8	VERSION	Char	21	Version
9	MCQ0A_DAYS	Num	8	Form Date - Days from enrollment
10	subjectid	Char	9	dbgapid

Data Set Name: v2_mhf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MHF0C	Num	8	0c. (do not read) Check here if participant is Female
5	MHF1	Char	1	1. Did you get an influenza vaccination (flu shot) in the last 12 months?
6	MHF2	Char	1	2. When was your most recent pneumonia vaccination? (Pneumovax)
7	MHF3	Char	1	3. Have you been diagnosed with alpha-1 anti-trypsin deficiency?
8	MHF4A	Char	1	4a. Vision problems
9	MHF4B	Char	1	4b. Hearing problems
10	MHF4C	Char	1	4c. Dizziness
11	MHF4D	Char	1	4d. Ears ringing
12	MHF4E	Char	1	4e. Sinusitis/Rhinitis
13	MHF4F	Char	1	4f. Other
14	MHF5A	Char	1	5a. High blood pressure
15	MHF5B	Char	1	5b. Coronary artery disease
16	MHF5C	Char	1	5c. Angina (chest pain)
17	MHF5D	Char	1	5d. Heart attack
18	MHF5E	Char	1	5e. Murmur
19	MHF5F	Char	1	5f. Palpitations, irregular heartbeat
20	MHF5G	Char	1	5g. Valve disease
21	MHF5H	Char	1	5h. Congestive heart failure
22	MHF5I	Char	1	5i. Blood clots
23	MHF5J	Char	1	5j. Poor circulation (claudication)
24	MHF5K	Char	1	5k. Other
25	MHF6A	Char	1	6a. Esophageal condition or disease
26	MHF6B	Char	1	6b. Ulcers
27	MHF6C	Char	1	6c. Hepatitis or jaundice
28	MHF6D	Char	1	6d. Crohn's disease or colitis
29	MHF6E	Char	1	6e. Gallstones
30	MHF6F	Char	1	6f. Cirrhosis
31	MHF6F1	Char	75	6f1. Explain:
32	MHF6G	Char	1	6g. GERD (heart burn)
33	MHF6H	Char	1	6h. Hiatal hernia
34	MHF6I	Char	1	6i. Other
35	MHF7A	Char	1	7a. Intubation or respirator
36	MHF7B	Char	1	7b. Pneumothorax (collapsed lung)
37	MHF7C	Char	1	7c. Tuberculosis

Num	Variable	Type	Len	Label
38	MHF7D	Char	1	7d. Pulmonary fibrosis
39	MHF7D1	Char	75	7d1. Explain:
40	MHF7E	Char	1	7e. Lung nodules
41	MHF7F	Char	1	7f. Pulmonary embolism
42	MHF7G	Char	1	7g. Other
43	MHF8A	Char	1	8a. Cancer(except basal cell skin cancer)
44	MHF8B	Char	1	8b. Anemia
45	MHF8C	Char	1	8c. Other
46	MHF9A	Char	1	9a. Menstrual symptoms (women)
47	MHF9B	Char	1	9b. Enlarged prostate or BPH (men)
48	MHF9C	Char	1	9c. Bladder or kidney problems/kidney stones
49	MHF9D	Char	1	9d. Other
50	MHF10A	Char	1	10a. Diabetes
51	MHF10B	Char	1	10b. Thyroid
52	MHF10C	Char	1	10c. Other
53	MHF10C1	Char	75	10c1. Explain:
54	MHF11A	Char	1	11a. Stroke
55	MHF11B	Char	1	11b. Headaches
56	MHF11C	Char	1	11c. Seizure
57	MHF11D	Char	1	11d. Other
58	MHF12A	Char	1	12a. Rheumatoid arthritis
59	MHF12B	Char	1	12b. Gout
60	MHF12C	Char	1	12c. Osteoporosis
61	MHF12D	Char	1	12d. Fractures
62	MHF12E	Char	1	12e. Joint pain
63	MHF12F	Char	1	12f. Osteoarthritis
64	MHF12G	Char	1	12g. Other
65	MHF13A	Char	1	13a. Rashes/hives/ eczema
66	MHF13B	Char	1	13b. Psoriasis
67	MHF13C	Char	1	13c. Shingles
68	MHF13D	Char	1	13d. Other
69	MHF14A	Char	1	14a. Atypical mycobacteria (MAC,MAI)
70	MHF14B	Char	1	14b. Fungal disease
71	MHF14C	Char	1	14c. Other
72	MHF15A	Char	1	15a. Anxiety
73	MHF15B	Char	1	15b. Depression
74	MHF15C	Char	1	15c. Other
75	MHF15C1	Char	75	15c1. Explain:
76	MHF16	Char	1	16. Other significant problems not reported in questions 2-18

Num	Variable	Type	Len	Label
77	MHF16C	Char	50	List Problem C
78	MHF16D	Char	50	List Problem D
79	MHF17	Char	1	17. A fever, cold, flu, or sore throat?
80	MHF18	Char	1	18. A urinary tract infection?
81	MHF19	Char	1	19. Seasonal allergies?
82	MHF20	Char	1	20. A sinus infection or sinusitis?
83	MHF21	Char	1	21. A tooth infection?
84	MHF22	Char	1	22. A flare up of gout?
85	MHF23	Char	1	23. A flare up of arthritis?
86	MHF24	Char	1	24. Other?
87	MHF25	Char	50	25. Please explain:
88	MHF26	Char	1	26. Are you allergic to any medications, latex, food, or substances?
89	MHF26A	Char	50	26a. List Substance:
90	MHF26A1	Char	50	26a1. Reaction:
91	MHF26B	Char	50	26b. List Substance:
92	MHF26B1	Char	50	26b1. Reaction:
93	MHF26C	Char	50	26c. List Substance:
94	MHF26C1	Char	50	26c1. Reaction:
95	MHF26D	Char	50	26d. List Substance:
96	MHF26D1	Char	50	26d1. Reaction:
97	MHF26E	Char	50	26e. List Substance:
98	MHF26E1	Char	50	26e1. Reaction:
99	MHF27	Char	1	27. In the past 12 months, how often have you consumed any beverage containing alcohol (beer, wine, wine coolers, liquor, or mixed drinks such as margaritas, martinis, or daiquiris)?
100	MHF28	Char	1	28. When you drink beverage containing alcohol, how many do you usually drink at one sitting?
101	MHF29A	Num	8	29a. Beer
102	MHF29B	Num	8	29b. Wine
103	MHF29C	Num	8	29c. Drinks containing liquor
104	MHF30	Char	1	30. How often do you have eight or more drinks on one occasion?
105	MHF31	Char	1	31. How often during the last year have you been unable to remember what happened the night before because you had been drinking?
106	MHF32	Char	1	32. How often during the last year have you failed to do what was normally expected of you because of your drinking?
107	MHF33	Char	1	33. Has a relative or friend, a doctor or other health worker been concerned about your drinking or suggested you cut down?
108	MHF34	Char	1	34. Have you reached menopause?
109	MHF35	Num	8	35. If you have reached menopause, at what age did that occur?
110	MHF36	Char	1	36. Did you ever use oral contraceptive medications?
111	MHF37	Num	8	37. If you did use oral contraceptives, for how many years?
112	MHF38	Char	1	38. Did you ever use hormone replacement therapy?

Num	Variable	Type	Len	Label
113	MHF39	Num	8	39. If you did use hormone replacement therapy, for how many years?
114	MHF40	Char	1	40. In the past 12 months have you been pregnant?
115	MHF41	Char	1	41. In the past 12 months did you ever breastfeed
116	MHF42	Num	8	42. If you did breastfeed, for approximately how many total months did you breastfeed (total for all pregnancies)?
117	MHF43	Char	1	43. In the last 12 months have you had an ovary removed?
118	MHF44	Char	1	44. If you had an ovary removed, was one removed or both?
119	MHF45	Num	8	45. At what age was your ovary or ovaries removed?
120	MHF46	Char	1	46. Were you born premature?
121	MHF46A	Num	8	46a. If yes, how many weeks were you premature?
122	MHF47A	Num	8	47a. What was your birth weight?
123	MHF47B	Num	8	Birth Weight in Pounds/Ounces
124	MHF48	Char	1	48. Did you ever have breathing problems during the first two years of life?
125	MHF48A	Char	1	48a. If yes, were you ever hospitalized for these problems?
126	MHF49	Char	1	49. Were you ever hospitalized for pneumonia before 18 years of age?
127	MHF7H	Char	1	7h. Wedge Resection
128	MHF7H1	Char	75	7h1. Explain:
129	VERSION	Char	21	Version
130	MHF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_mrc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MRC01	Num	8	MRC01 Describe shortness of breath
5	VERSION	Char	21	Version
6	MRC0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_pft_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFT01	Num	8	PFT01 Large meal eaten within the last 2 hours
5	PFT02	Num	8	PFT02 Smoked within the last hour
6	PFT03	Num	8	PFT03 Vigorous exercise in the past 30 minutes
7	PFT04	Num	8	PFT04 Consumed alcohol within past 4 hours
8	PFT05	Num	8	PFT05 Medication for lungs in past 48 hours
9	PFT06	Num	8	PFT06 Use of Spiriva within past 48 hours
10	PFT06B	Char	5	PFT06B Time last used Spiriva
11	PFT06B_AMPM	Char	1	PFT06B_AMPM Last used Spiriva AM/PM
12	PFT07	Num	8	PFT07 Use of theophylline within past 48 hrs
13	PFT07A	Num	8	PFT07A Most recent type of theophyline used
14	PFT07C	Char	5	PFT07C Time last used theophyline
15	PFT07C_AMPM	Char	1	PFT07C_AMPM last used theophyline AM/PM
16	PFT08	Num	8	PFT08 Use of one-a-day bronchodilator
17	PFT08B	Char	5	PFT08B Time last used one-a-day bronchodilator
18	PFT08B_AMPM	Char	1	PFT08B_AMPM last used one-a-day bronchodilator AM/PM
19	PFT09	Num	8	PFT09 Use of long-acting beta agonist
20	PFT09A	Num	8	PFT09A Most recent long-acting beta agonist used
21	PFT09A1	Char	50	PFT09A1 Specify long-acting beta agonist
22	PFT09B	Char	5	PFT09B Time last used long-acting beta agonist
23	PFT09B_AMPM	Char	1	PFT09B_AMPM last used long-acting beta agonist AM/PM
24	PFT10	Num	8	PFT10 Use of ipratropium within the past 8 hours
25	PFT10A	Num	8	PFT10A Most recent ipratropium used
26	PFT10B	Char	5	PFT10B Time last used ipratropium
27	PFT10C_AMPM	Char	1	PFT10C_AMPM last used ipratropium AM/PM
28	PFT11	Num	8	PFT11 Use of short-acting beta agonist
29	PFT11A	Num	8	PFT11A Most recent short-acting beta agonist used
30	PFT11A7A	Char	50	PFT11A7A Specify short-acting beta agonist
31	PFT11B	Char	5	PFT11B Time last short-acting beta agonist used
32	PFT11B_AMPM	Char	1	PFT11B_AMPM last short-acting beta agonist used AM/PM
33	PFT12	Char	1	PFT12 Consumption of caffeine in past 6 hours
34	VERSION	Char	21	Version
35	PFT0A_DAYS	Num	8	Form Date - Days from enrollment
36	PFT06A_DAYS	Num	8	Date last used Spiriva - Days from enrollment
37	PFT07B_DAYS	Num	8	Date last used theophyline - Days from enrollment

Num	Variable	Type	Len	Label
38	PFT08A_DAYS	Num	8	Date last used one-a-day bronchodilator - Days from enrollment

Data Set Name: v2_pfv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFV01	Char	9	PFV01 study_id
5	PFV10	Char	15	PFV10 Position
6	PFV12	Num	8	PFV12 visit_num
7	PFV13	Num	8	PFV13 interval_num
8	PFV14	Num	8	PFV14 stage_num
9	PFV15	Num	8	PFV15 seq_num
10	PFV16	Char	15	PFV16 vlabel
11	PFV17	Num	8	PFV17 repeats
12	PFV19	Char	15	PFV19 qa_grade
13	PFV20	Char	15	PFV20 qa_status
14	PFV22B	Char	8	PFV22B time
15	PFV23B	Char	8	PFV23B time_best
16	PFV24B	Char	8	PFV24B time_first
17	PFV25	Num	8	PFV25 trial_seq_num
18	PFV26	Num	8	PFV26 ranking
19	PFV27	Num	8	PFV27 temperature
20	PFV28	Num	8	PFV28 barometric
21	PFV29	Num	8	PFV29 humidity
22	PFV30	Num	8	PFV30 fevpd
23	PFV31	Num	8	PFV31 fvcpd
24	PFV32	Num	8	PFV32 fefpd
25	PFV33	Num	8	PFV33 fev1_fvcpd
26	PFV34	Num	8	PFV34 pefpd
27	PFV35	Num	8	PFV35 pctfev
28	PFV36	Num	8	PFV36 pctfvc
29	PFV37	Num	8	PFV37 pctfef2575
30	PFV38	Num	8	PFV38 pctpefr
31	PFV39	Num	8	PFV39 pctfev_fvc
32	PFV40	Num	8	PFV40 fvc
33	PFV41	Num	8	PFV41 flag_fvc_best
34	PFV42B	Char	8	PFV42B trials_time
35	PFV43	Num	8	PFV43 fev05
36	PFV44	Num	8	PFV44 fev05fvc
37	PFV45	Num	8	PFV45 fev1

Num	Variable	Type	Len	Label
38	PFV46	Num	8	PFV46 flag_fev_best
39	PFV47	Num	8	PFV47 fev1fvc
40	PFV48	Num	8	PFV48 flag_fevfvc_best
41	PFV49	Num	8	PFV49 fev3
42	PFV50	Num	8	PFV50 fev3fvc
43	PFV51	Num	8	PFV51 fev6
44	PFV52	Num	8	PFV52 fef212
45	PFV53	Num	8	PFV53 fef2575
46	PFV54	Num	8	PFV54 flag_fef2575_best
47	PFV55	Num	8	PFV55 fef25756
48	PFV56	Num	8	PFV56 fef25
49	PFV57	Num	8	PFV57 fef50
50	PFV58	Num	8	PFV58 fef506
51	PFV59	Num	8	PFV59 fef75
52	PFV60	Num	8	PFV60 fef756
53	PFV61	Num	8	PFV61 fef7585
54	PFV62	Num	8	PFV62 pefr
55	PFV63	Num	8	PFV63 flag_pefr_best
56	PFV64	Num	8	PFV64 met
57	PFV65	Num	8	PFV65 peft
58	PFV66	Num	8	PFV66 vext
59	PFV67	Num	8	PFV67 pctvext
60	PFV68	Num	8	PFV68 expt
61	PFV69	Num	8	PFV69 RVSPCA
62	PFV70	Char	4	PFV70 fevdiff
63	PFV71	Num	8	PFV71 fivc
64	PFV72	Num	8	PFV72 fiv05
65	PFV73	Num	8	PFV73 fiv05fivc
66	PFV74	Num	8	PFV74 fiv1
67	PFV75	Num	8	PFV75 fiv1fivc
68	PFV76	Num	8	PFV76 fiv3
69	PFV77	Num	8	PFV77 pifr
70	PFV78	Num	8	PFV78 fif212
71	PFV79	Num	8	PFV79 fif2575
72	PFV80	Num	8	PFV80 mit
73	VERSION	Char	21	Version
74	PFV22A_DAYS	Num	8	Date - Days from enrollment
75	PFV23A_DAYS	Num	8	Date best - Days from enrollment
76	PFV24A_DAYS	Num	8	Date first - Days from enrollment

Num	Variable	Type	Len	Label
77	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v2_psq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	PSAQ7	Char	2000	PSAQ7 Frequency of taking medication to sleep during the last month
4	PSAQ8	Char	2000	PSAQ8 Frequency of having trouble staying awake during the last month
5	PSAQ9	Char	2000	PSAQ9 Difficulty keeping up enthusiasm during the last month
6	VISIT	Char	10	Visit
7	PSQ01	Char	5	PSQ01 Usual bedtime in the past month
8	PSQ01_AMPM	Char	1	PSQ01_AMPM bedtime AM/PM
9	PSQ02	Num	8	PSQ02 Time taken to fall asleep in the past month
10	PSQ03	Char	5	PQQ03 Waking hour in the past month
11	PSQ03_AMPM	Char	1	PSQ03_AMPM waking hour AM/PM
12	PSQ04	Num	8	PSQ04 Hours of sleep per night in the past month
13	PSQ05A	Char	1	PSQ05A Trouble sleeping: Cannot get to sleep within 30 minutes
14	PSQ05B	Char	1	PSQ05B Trouble sleeping: Wake up in the middle of the night or early morning
15	PSQ05C	Char	1	PSQ05C Trouble sleeping: Have to get up to use the bathroom
16	PSQ05D	Char	1	PSQ05D Trouble sleeping: Cannot breathe comfortably
17	PSQ05E	Char	1	PSQ05E Trouble sleeping: Cough or snore loudly
18	PSQ05F	Char	1	PSQ05F Trouble sleeping: Feel too cold
19	PSQ05G	Char	1	PSQ05G Trouble sleeping: Feel too hot
20	PSQ05H	Char	1	PSQ05H Trouble sleeping: Have bad dreams
21	PSQ05I	Char	1	PSQ05I Trouble sleeping: Have pain
22	PSQ05J	Char	1	PSQ05J Trouble sleeping: Other reasons
23	PSQ06	Char	1	PSQ06 Sleep quality during the last month
24	PSQ10	Char	1	PSQ10 Bed partner/roommate
25	PSQ10A	Char	1	PSQ10A Bed partner/roommate reports: Loud snoring
26	PSQ10B	Char	1	PSQ10B Bed partner/roommate reports: Long pauses between breaths while asleep
27	PSQ10C	Char	1	PSQ10C Bed partner/roommate reports: Legs twitching or jerking while you sleep
28	PSQ10D	Char	1	PSQ10D Bed partner/roommate reports: Episodes of disorientation or confusion during sleep
29	PSQ10E	Char	1	PSQ10E Bed partner/roommate reports: Other restlessness while you sleep
30	PSQ10E1	Char	2000	PSQ10E1 Describe other restlessness during sleep
31	VERSION	Char	21	Version
32	PSQ_TOTALSCORE02	Num	8	Year 1 Pittsburgh sleep total score
33	PSQ_DURATIONSLEEP02	Num	8	Year 1 PSQ Duration of sleep)
34	PSQ_SLEEPDISTURBANCE02	Num	8	Year 1 PSQ sleep disturbance

Num	Variable	Type	Len	Label
35	PSQ_SLEEPLATENCY02	Num	8	Year 1 PSQ sleep latency
36	PSQ_DAYSLEEPYDYSFUNC02	Num	8	Year 1 PSQ day dysfunction due to sleepness
37	PSQ_SLEEPEFFICIENCY02	Num	8	Year 1 PSQ sleep efficiency
38	PSQ_OVERALLSLEEPQUALITY02	Num	8	Year 1 PSQ overall sleep quality
39	PSQ_NEEDMEDSTOSLEEP02	Num	8	Year 1 PSQ need meds to sleep
40	PSQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_psv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PSV01	Char	9	PSV01 study_id
5	PSV10	Char	15	PSV10 position
6	PSV12	Num	8	PSV12 visit_num
7	PSV13	Char	15	PSV13 interval_num
8	PSV14	Num	8	PSV14 stage_num
9	PSV15	Num	8	PSV15 seq_num
10	PSV16	Char	5	PSV16 vlabel
11	PSV17	Num	8	PSV17 repeats
12	PSV19	Char	15	PSV19 qa_grade
13	PSV20	Char	15	PSV20 qa_status
14	PSV22B	Char	8	PSV22B time
15	PSV23B	Char	8	PSV23B time_best
16	PSV24B	Char	8	PSV24B time_first
17	PSV25B	Char	8	PSV25B trials_time
18	PSV26	Num	8	PSV26 trial_seq_num
19	PSV27	Num	8	PSV27 ranking
20	PSV28	Num	8	PSV28 temperature
21	PSV29	Num	8	PSV29 barometric
22	PSV30	Num	8	PSV30 humidity
23	PSV32	Char	5	PSV32 tom
24	PSV33	Num	8	PSV33 svc
25	PSV34	Num	8	PSV34 svcpd
26	PSV35	Num	8	PSV35 pctsvc
27	PSV36	Num	8	PSV36 flag_svc_best
28	PSV37	Num	8	PSV37 ic
29	PSV38	Num	8	PSV38 irv
30	PSV39	Num	8	PSV39 erv
31	PSV40	Num	8	PSV40 tv
32	VERSION	Char	21	Version
33	PSV22A_DAYS	Num	8	Date - Days from enrollment
34	PSV23A_DAYS	Num	8	Date best - Days from enrollment
35	PSV24A_DAYS	Num	8	Date first - Days from enrollment
36	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v2_rdf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	RDF1	Char	1	1. Do you usually have a cough? (Exclude clearing of throat.)
5	RDF1A	Char	1	1a. Do you usually cough as much as 4 times a day, 4 or more days out of the week?
6	RDF2	Char	1	2. Do you usually cough at all on getting up or first thing in the morning?
7	RDF3	Char	1	3. Do you usually cough at all during the rest of the day or night?
8	RDF3A	Char	1	3a. Do you cough like this on most days, for 3 consecutive months or more during the year?
9	RDF3B	Num	8	3b. For how many years have you had this cough?
10	RDF4	Char	1	4. Do you usually bring up phlegm from your chest?
11	RDF4A	Char	1	4a. Do you usually bring up phlegm like this as much as twice a day, 4 or more days out of the week?
12	RDF5	Char	1	5. Do you usually bring up phlegm from your chest on getting up, or first thing in the morning?
13	RDF6	Char	1	6. Do you usually bring up phlegm from your chest during the rest of the day or at night?
14	RDF6A	Char	1	6a. Do you bring up phlegm like this on most days for 3 consecutive months or more during the year?
15	RDF6B	Num	8	6b. For how many years have you had trouble with phlegm?
16	RDF7	Char	1	7. In the past 12 months, have you had periods or episodes of cough with phlegm that lasted 1 week or more? (If you usually have cough and phlegm, please count only periods or episodes of increased cough and phlegm.)
17	RDF7A	Num	8	7a. If yes, about how many such episodes have you had in the past 12 months?
18	RDF7B	Num	8	7b. If yes, for how many years have you had at least one such episode per year?
19	RDF8	Char	1	8. Have you ever had wheezing or whistling in your chest?
20	RDF8A	Num	8	8a. About how old were you when you first had wheezing or whistling in your chest?
21	RDF9	Char	1	9. Have you ever had an attack of wheezing or whistling in your chest that made you feel short of breath?
22	RDF9A	Num	8	9a. About how old were you when you had your first such attack?
23	RDF9B	Char	1	9b. Have you ever had 2 or more such attacks?
24	RDF9C	Char	1	9c. Have you ever required medicine or treatment for such attacks?
25	RDF10	Char	1	10. In the past 12 months, have you had wheezing or whistling in your chest at any time?
26	RDF10A1	Char	1	10a1. When you have a cold?
27	RDF10A2	Char	1	10a2. Occasionally apart from colds?
28	RDF10A3	Char	1	10a3. More than once a week?
29	RDF10A4	Char	1	10a4. Most days or nights?
30	RDF11	Char	1	11. In the last 12 months, have you been awakened from sleep by coughing, apart from a cough associated with a cold or chest infection?
31	RDF12	Char	1	12. In the last 12 months, have you been awakened from sleep by shortness of breath or a feeling of tightness in your chest?
32	RDF13	Char	1	13. In the past 12 months, have you had wheezing or whistling in your chest at any time?

Num	Variable	Type	Len	Label
33	RDF14	Char	1	14. In the last 12 months, have you been bothered by watery, itchy, or burning eyes when you did not have a cold or the flu?
34	RDF15	Char	1	15. Are you unable to walk due to a condition other than shortness of breath?
35	RDF15A	Char	40	15a. Nature of condition:
36	RDF16	Char	1	16. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with asthma?
37	RDF16A	Char	1	16a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for asthma?
38	RDF17	Char	1	17. In the past 12 months, have you had hay fever (allergy involving the nose and/or eyes)?
39	RDF17A	Char	1	17a. Was it diagnosed by a doctor or other health professional?
40	RDF17B	Char	1	17b. In the past 12 months, have you received medical treatment, taken medications or used a nasal spray for hay fever?
41	RDF18	Char	1	18. In the past 12 months, have you had an attack of bronchitis?
42	RDF18A	Char	1	18a. Was it diagnosed by a doctor or other health professional?
43	RDF18B	Num	8	18b. How many times have you had bronchitis in the past 12 months?
44	RDF19	Char	1	19. In the past 12 months, have you ever had pneumonia or bronchopneumonia?
45	RDF19A	Char	1	19a. Was it diagnosed by a doctor or other health professional?
46	RDF19B	Num	8	19b. How many times have you had pneumonia or bronchopneumonia in the past 12 months?
47	RDF20	Char	1	20. In the past 12 months, were you newly diagnosed by a doctor or other health professional with chronic bronchitis?
48	RDF20A	Char	1	20a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for chronic bronchitis?
49	RDF21	Char	1	21. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with emphysema?
50	RDF21A	Char	1	21a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for emphysema?
51	RDF22	Char	1	22. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with COPD (chronic obstructive pulmonary disease)?
52	RDF22A	Char	1	22a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for COPD?
53	RDF23	Char	1	23. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with sleep apnea?
54	RDF23A	Char	1	23a. In the past 12 months, have you received any treatment for sleep apnea?
55	RDF23B	Char	1	23b. Do you use a CPAP or BIPAP?
56	RDF23C	Char	1	23c. Did you have surgery for your sleep apnea?
57	RDF23D	Char	1	23d. Did you have some other treatment for your sleep apnea?
58	RDF24A	Char	1	24a. Any other chest illness?
59	RDF24B	Char	1	24b. Any chest operations?
60	RDF24C	Char	1	24c. Any chest injuries?
61	RDF25	Char	1	25. In the past 12 months have you smoked cigarettes
62	RDF26	Char	1	26. Do you smoke cigarettes as of one month ago?
63	RDF27	Num	8	27. Cigarettes smoked in the past 24 hours: (Check here if does not apply)
64	RDF27A	Num	8	27a. 24 hours

Num	Variable	Type	Len	Label
65	RDF27B	Num	8	27b. 2 hours
66	RDF27C	Num	8	27c. 1/2 hour
67	RDF28	Num	8	28. How many cigarettes do you smoke per day now?
68	RDF29	Num	8	29. On average over the last 12 months, how many cigarettes did you smoke per day?
69	RDF30	Char	1	30. Have you ever smoked menthol cigarettes?
70	RDF30A	Num	8	30a. For how long have you or did you smoke menthol cigarettes?
71	RDF31A	Char	40	First brand of cigarettes smoked
72	RDF31B	Char	40	Second brand of cigarettes smoked
73	RDF31C	Char	40	Third brand of cigarettes smoked
74	RDF31D	Char	40	Fourth brand of cigarettes smoked
75	RDF31E	Char	40	Fifth brand of cigarettes smoked
76	RDF32	Char	1	32. In the past twelve months have you smoked a pipe regularly?
77	RDF33	Char	1	33. Do you smoke a pipe (as of one month ago)?
78	RDF34	Num	8	34. How much pipe tobacco do you smoke per day now?
79	RDF35	Num	8	35. On average over the last 12 months, how many ounces of tobacco did you smoke per week?
80	RDF36	Char	1	36. In the past twelve months have you smoked cigars regularly? (YES means more than 1 cigar a week for one year at any time in your life)
81	RDF37	Char	1	37. Do you now smoke cigars (as of one month ago)?
82	RDF38	Num	8	38. How many cigars so you smoke per day now?
83	RDF39	Num	8	39. On average over the last 12 months, how many cigars did you smoke per week?
84	RDF40	Char	1	40. Which of the following best describes your approach to tobacco smoking in your home when you are in the house?
85	RDF41	Char	1	41. In the last 12 months, have you lived in the same household with someone who smoked tobacco products?
86	RDF42	Char	1	42. Do you currently live in the same household with someone who smokes tobacco products?
87	RDF43	Num	8	43. How many people in your household currently smoke?
88	RDF44	Num	8	44. In the last 12 months for how many months in total have you lived in the same household with someone else who smoked tobacco products?
89	RDF44A	Char	1	44a. If no answer:
90	RDF45	Char	1	45. Has anyone smoked tobacco in your home during the past seven days?
91	RDF46	Num	8	46. During the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke at home?
92	RDF47	Char	1	47. During the past 7 days, did you enter a room in your home that was visibly smoky?
93	RDF48	Char	1	48. In the past 7 days, did you smell tobacco smoke in your home?
94	RDF49	Char	1	49. During the past 7 days, did you experience red eyes or eye irritation?
95	RDF50	Char	1	50. During the past 7 days, did you experience runny nose or nose irritation?
96	RDF51	Char	1	51. During the past 7 days, did you experience coughing, wheezing, or chest tightness?
97	RDF52	Char	1	52. In the past 7 days, did you take any extra handheld spray inhalers for breathing or lung problems after exposure to tobacco smoke in your home?
98	RDF53	Char	1	53. In the past 7 days, have you visited another person's home where someone was smoking tobacco products indoors?

Num	Variable	Type	Len	Label
99	RDF54	Num	8	54. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in another person's home?
100	RDF55	Char	1	55. During the past 7 days, did you enter a room in another person's home that was visibly smoky?
101	RDF56	Char	1	56. In the past 7 days, did you smell tobacco in another person's home?
102	RDF57	Char	1	57. In the past 7 days, have you traveled by car or other vehicle with someone else who was smoking tobacco products?
103	RDF58	Num	8	58. In the past 7 days, how many hours did you spend traveling in a car while someone else was smoking tobacco?
104	RDF59	Char	1	59. During the past 7 days, did anyone smoke tobacco inside your workplace, that is, while you were working indoors?
105	RDF60	Num	8	60. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke inside your workplace?
106	RDF61	Char	1	61. During the past 7 days, did you enter a room in your workplace that was visibly smoky?
107	RDF62	Char	1	62. In the past 7 days, did you smell tobacco smoke in your workplace?
108	RDF63	Char	1	63. Is there an outdoor area at your workplace where cigarette smokers routinely gather or congregate to smoke?
109	RDF64	Num	8	64. In the past 7 days, how many times did you walk through or past this area while others were smoking?
110	RDF65	Num	8	65. During the past 7 days, how many hours in total did you spend in an outdoor smoking area while people were smoking?
111	RDF66	Char	1	66. While walking through or past this area, did you smell smoke?
112	RDF67	Num	8	67. In the past 7 days, how many hours did you spend near coworkers who were smoking tobacco outdoors?
113	RDF68	Char	1	68. During the past 7 days, did you smell tobacco smoke while working outdoors?
114	RDF69	Char	1	69. In the past 7 days, have you been at an outdoor location (besides work) where someone was smoking tobacco products outside?
115	RDF71	Char	1	71. During the past 7 days, did you smell tobacco smoke in this outdoor location?
116	RDF72	Num	8	72. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke at this outdoor location?
117	RDF73	Char	1	73. In the past 7 days or nights, were you in a bar, nightclub, cocktail lounge, sports arena, or concert hall where someone else was smoking tobacco products?
118	RDF74	Num	8	74. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in a bar or other place of entertainment?
119	RDF75	Char	1	75. During the past 7 days, did you enter a room in a bar or other place of entertainment that was visibly smoky?
120	RDF76	Char	1	76. In the past 7 days, did you smell tobacco smoke in a bar or other place of entertainment?
121	RDF77	Char	1	77. I have asked you about exposure to someone else's tobacco smoke in your home, friend's home, work, outdoor locations, and bars or nightclubs. In the past 7 days, was there any other location where you were exposed to tobacco smoke?
122	RDF79	Num	8	79. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in this location?
123	RDF80	Char	1	80. In the last 12 months have you smoked marijuana (cannabis, pot, or hashish)?
124	RDF81	Char	1	81. In the last 12 months have you smoked marijuana regularly (five times or more in a given year)?
125	RDF82	Num	8	82. On average, in the last 12 months about how many joints per week do (did) you smoke?

Num	Variable	Type	Len	Label
126	RDF83	Num	8	83. On average over the entire time that you smoke(d) about how many pipes per week do (did) you smoke?
127	RDF84A	Num	8	84a. In spring
128	RDF84B	Num	8	84b. In summer
129	RDF84C	Num	8	84c. In fall
130	RDF84D	Num	8	84d. In winter
131	RDF85	Num	8	85. On average, how many hours per day do you spend in your home?
132	RDF85A	Char	1	85a. Do you have central air conditioner?
133	RDF85B	Num	8	85b. How many months out of the year do you use it?
134	RDF85C	Char	1	85c. Do you have a room air conditioner?
135	RDF85D	Num	8	85d. How many months out of the year do you use it?
136	RDF85E	Char	1	85e. What kind of range or stove do you have?
137	RDF85E1	Char	25	85e1. Specify
138	RDF85F	Char	1	85f. Does your range or stove have ventilation to the outdoors?
139	RDF85G	Char	1	85g. What is the main type of heating you use in your house?
140	RDF85H	Char	1	85h. What is the main type of heating fuel you use in your house?
141	RDF85H1	Char	25	85h1. Specify
142	RDF85I	Num	8	85i. How many months out of the year do you use the main type of heating in your house?
143	RDF85J1	Num	8	85j1. Radiator
144	RDF85J2	Num	8	85j2. Forced Air
145	RDF85J3	Num	8	85j3. Wood Stove
146	RDF85J4	Num	8	85j4. Fireplace
147	RDF85J5	Num	8	85j5. Other
148	RDF86	Char	1	86. How much time per each day to you spend communting in traffic to work in total (i.e. both ways)?
149	RDF86A	Num	8	86a. How many days per week do you commute to work?
150	VERSION	Char	21	Version
151	RDF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_rmu_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	VISIT
4	RMU01	Char	1	RMU01 Currently using Theophylline
5	RMU02	Char	1	RMU02 Currently using Oral Corticosteroids
6	RMU02A1	Num	8	RMU02A1 Years on oral corticosteroids
7	RMU02A2	Num	8	RMU02A2 Days on oral corticosteroids
8	RMU03	Char	1	RMU03 Supplemental oxygen usage
9	RMU03A	Num	8	RMU03A Hours using supplemental oxygen per day
10	RMU04	Char	1	RMU04 Inhaled steroids usage in last three months
11	RMU04A1	Char	1	RMU04A1 Inhaled steroids used in last 3 months: Azmacort (triamcinolone)
12	RMU04A1A	Num	8	RMU04A1A Azmacort (triamcinolone): Puffs/day?
13	RMU04A2	Char	1	RMU04A2 Inhaled steroids used in last 3 months: Beclovent (beclomethasone)
14	RMU04A2A	Num	8	RMU04A2A Beclovent (beclomethasone): Puffs/day?
15	RMU04A3	Char	1	RMU04A3 Inhaled steroids used in last 3 months: Vanceril (beclomethasone)
16	RMU04A3A	Num	8	RMU04A3A Vanceril (beclomethasone): Puffs/day?
17	RMU04A3B	Char	1	RMU04A3B Inhaled steroids used in last 3 months: Vanceril dose
18	RMU04A4	Char	1	RMU04A4 Inhaled steroids used in last 3 months: AeroBid (blunisolide)
19	RMU04A4A	Num	8	RMU04A4A AeroBid (blunisolide): Puffs/day?
20	RMU04A5	Char	1	RMU04A5 Inhaled steroids used in last 3 months: Flovent (fluticasone)
21	RMU04A5A	Num	8	RMU04A5A Flovent (fluticasone): Puffs/day?
22	RMU04A5B	Char	1	RMU04A5B Inhaled steroids used in last 3 months: Flovent dose
23	RMU04A6	Char	1	RMU04A6 Inhaled steroids used in last 3 months: Pulmicort (budesonide)
24	RMU04A6A	Num	8	RMU04A6A Pulmicort (budesonide): Puffs/day?
25	RMU04A6B	Char	1	RMU04A6B Inhaled steroids used in last 3 months: Pulmicort dose
26	RMU04A7	Char	1	RMU04A7 Inhaled steroids used in last 3 months: Qvar (beclomethasone)
27	RMU04A7A	Num	8	RMU04A7A Qvar (beclomethasone): Puffs/day?
28	RMU04A7B	Char	1	RMU04A7B Inhaled steroids used in last 3 months: Qvar dose
29	RMU04A8	Char	1	RMU04A8 Inhaled steroids used in last 3 months: Advair (bluticasone/salmeterol)
30	RMU04A8A	Num	8	RMU04A8A Advair (bluticasone/salmeterol): Puffs/day?
31	RMU04A8B	Char	1	RMU04A8B Inhaled steroids used in last 3 months: Advair dose
32	RMU04A9	Char	1	RMU04A9 Inhaled steroids used in last 3 months: Symbicort
33	RMU04A9A	Num	8	RMU04A9A Symbicort): Puffs/day?
34	RMU04A9B	Char	1	RMU04A9B Inhaled steroids used in last 3 months: Symbicort dose
35	RMU04A10	Char	1	RMU04A10 Inhaled steroids used in last 3 months: Other, specify
36	RMU04A10A	Num	8	RMU04A10A Other, specify: Puffs/day?
37	RMU04A10B	Char	50	RMU04A10B Inhaled steroids used in last 3 months:Specify

Num	Variable	Type	Len	Label
38	RMU05	Char	1	RMU05 Inhaled bronchodilators in last three months
39	RMU05A1	Char	1	RMU05A1 Inhaled bronchodilators used in last 3 months: Albuterol (Proventil, Ventolin, ProAir)
40	RMU05A1A	Num	8	RMU05A1A Albuterol (Proventil, Ventolin, ProAir): Puffs/day?
41	RMU05A2	Char	1	RMU05A2 Inhaled bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
42	RMU05A2A	Num	8	RMU05A2A ipratropium bromide (Atrovent): Puffs/day?
43	RMU05A3	Char	1	RMU05A3 Inhaled bronchodilators used in last 3 months: ipratropium bromide/albuterol sulfate (Combivent)
44	RMU05A3A	Num	8	RMU05A3A ipratropium bromide/albuterol sulfate (Combivent): Puffs/day?
45	RMU05A4	Char	1	RMU05A4 Inhaled bronchodilators used in last 3 months: terbutaline (Brethaire, Brethine, Bricanyl)
46	RMU05A4A	Num	8	RMU05A4A terbutaline (Brethaire, Brethine, Bricanyl): Puffs/day?
47	RMU05A5	Char	1	RMU05A5 Inhaled bronchodilators used in last 3 months: formoterol (Foradil)
48	RMU05A5A	Num	8	RMU05A5A formoterol (Foradil): Puffs/day?
49	RMU05A6	Char	1	RMU05A6 Inhaled bronchodilators used in last 3 months: tiotropium (Spiriva)
50	RMU05A6A	Num	8	RMU05A6A tiotropium (Spiriva): Puffs/day?
51	RMU05A7	Char	1	RMU05A7 Inhaled bronchodilators used in last 3 months: Salmeterol (Serevent Diskus)
52	RMU05A7A	Num	8	RMU05A7A Salmeterol (Serevent Diskus): Puffs/day?
53	RMU05A8	Char	1	RMU05A8 Inhaled bronchodilators used in last 3 months: Pirbuterol (Maxair)
54	RMU05A8A	Num	8	RMU05A8A Pirbuterol (Maxair): Puffs/day?
55	RMU05A9	Char	1	RMU05A9 Inhaled bronchodilators used in last 3 months: Metaproterenol (Alupent, Metaprel)
56	RMU05A10	Char	1	RMU05A10 Inhaled bronchodilators used in last 3 months: levalbuterol (Tomalate)
57	RMU05A10A	Num	8	RMU05A10A levalbuterol (Tomalate): Puffs/day?
58	RMU05A11	Char	1	RMU05A11 Inhaled bronchodilators used in last 3 months: bitolterol (Tornalate)
59	RMU05A12	Char	1	RMU05A12 Inhaled bronchodilators used in last 3 months: epinephrine (Primatene, Bronkaid)
60	RMU05A12A	Num	8	RMU05A12A epinephrine (Primatene, Bronkaid): Puffs/day?
61	RMU05A13	Char	1	RMU05A13 Inhaled bronchodilators used in last 3 months: fluticasone/salmeterol (Advair Diskus)
62	RMU05A13A	Num	8	RMU05A13A fluticasone/salmeterol (Advair Diskus): Puffs/day?
63	RMU05A14	Char	1	RMU05A14 Inhaled bronchodilators used in last 3 months: budesonide/formoterol (Symbicort)
64	RMU05A14A	Num	8	RMU05A14A budesonide/formoterol (Symbicort): Puffs/day?
65	RMU05A15	Char	1	RMU05A15 Inhaled bronchodilators used in last 3 months: Other)
66	RMU05A15A	Num	8	RMU05A15A Other: Puffs/day?
67	RMU05A15B	Char	50	RMU05A15B Inhaled bronchodilators used in last 3 months:Specify
68	RMU06	Char	1	RMU06 Nebulized bronchodilators usage in the last three months
69	RMU06A1	Char	1	RMU06A1 nebulized bronchodilators used in last 3 months: formoterol (Perforomist)
70	RMU06A2	Char	1	RMU06A2 nebulized bronchodilators used in last 3 months: arformoterol (Brovana)
71	RMU06A3	Char	1	RMU06A3 nebulized bronchodilators used in last 3 months: albuterol and ipratropium bromide (DuoNeb)
72	RMU06A4	Char	1	RMU06A4 nebulized bronchodilators used in last 3 months: albuterol (Proventil, Ventolin, ProAir)
73	RMU06A5	Char	1	RMU06A5 nebulized bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
74	RMU07	Char	1	RMU07 Leukotriene antagonist usage in the last 3 months

Num	Variable	Type	Len	Label
75	RMU08	Char	1	RMU08 Statin medications usage in the last three months
76	RMU08A1	Char	1	RMU08A1 statin used in last 3 months: Crestor (resuvastatin)
77	RMU08A2	Char	1	RMU08A2 statin used in last 3 months: Lescol (fluvastatin)
78	RMU08A3	Char	1	RMU08A3 statin used in last 3 months: Lipitor (atorvastatin)
79	RMU08A4	Char	1	RMU08A4 statin used in last 3 months: Mevacor (lovastatin)
80	RMU08A5	Char	1	RMU08A5 statin used in last 3 months: Pravachol (pravastatin)
81	RMU08A6	Char	1	RMU08A6 statin used in last 3 months: Vytorin (ezetimibe, simvastatin)
82	RMU08A7	Char	1	RMU08A7 statin used in last 3 months: Zocor (simvastatin)
83	RMU08A8	Char	1	RMU08A8 statin used in last 3 months: Other
84	RMU08A8B	Char	50	RMU08A8B statin used in last 3 months:Specify
85	RMU09	Char	1	RMU09 Beta-blocker medications usage in the last three months
86	RMU09A1	Char	1	RMU09A1 beta blocker used in last 3 months: Atenolol (tenormin, tenoretic)
87	RMU09A2	Char	1	RMU09A2 beta blocker used in last 3 months: Metoprolol (lopresor, toprol)
88	RMU09A3	Char	1	RMU09A3 beta blocker used in last 3 months: Carvedilol (coreg)
89	RMU09A4	Char	1	RMU09A4 beta blocker used in last 3 months: Labetalol (trandate, normodyne)
90	RMU09A5	Char	1	RMU09A5 beta blocker used in last 3 months: Propranalol (Inderal, Inderide)
91	RMU09A6	Char	1	RMU09A6 beta blocker used in last 3 months: Sotalol (Betapace, Sorine)
92	RMU09A7	Char	1	RMU09A7 beta blocker used in last 3 months: Timolol (Blocadren, timolide)
93	RMU09A8	Char	1	RMU09A8 beta blocker used in last 3 months: bisoprolol (zebeta, ziac)
94	RMU09A9	Char	1	RMU09A9 beta blocker used in last 3 months: pindolol (visken)
95	RMU09A10	Char	1	RMU09A10 beta blocker used in last 3 months: Other
96	RMU09A10B	Char	50	RMU09A10B beta blocker used in last 3 months:Specify
97	RMU10	Char	1	RMU10 Oral anti-oxidant supplements usage in the past three months
98	RMU10A1	Char	1	RMU10A1 oral anti-oxidants used in last 3 months: Vitamin C (ascorbic acid)
99	RMU10A2	Char	1	RMU10A2 oral anti-oxidants used in last 3 months: Vitamin E (alpha-tocopherol)
100	RMU10A3	Char	1	RMU10A3 oral anti-oxidants used in last 3 months: beta carotene
101	RMU10A4	Char	1	RMU10A4 oral anti-oxidants used in last 3 months: zinc
102	RMU10A5	Char	1	RMU10A5 oral anti-oxidants used in last 3 months: copper
103	RMU10A6	Char	1	RMU10A6 oral anti-oxidants used in last 3 months: fish oil
104	RMU10A7	Char	1	RMU10A7 oral anti-oxidants used in last 3 months: omega 3
105	RMU10A8	Char	1	RMU10A8 oral anti-oxidants used in last 3 months: Other
106	RMU11	Char	1	RMU11 Aspirin usage
107	RMU12H	Char	50	RMU12H Other Medication taken in the last 3 months
108	RMU12I	Char	50	RMU12I Other Medication taken in the last 3 months
109	RMU13D	Char	50	RMU13D Other Supplement taken in the last 3 months
110	RMU13E	Char	50	RMU13E Other Supplement taken in the last 3 months
111	RMU13F	Char	50	RMU13F Other Supplement taken in the last 3 months
112	RMU13G	Char	50	RMU13G Other Supplement taken in the last 3 months
113	RMU13H	Char	50	RMU13H Other Supplement taken in the last 3 months

Num	Variable	Type	Len	Label
114	RMU13I	Char	50	RMU13I Other Supplement taken in the last 3 months
115	VERSION	Char	21	VERSION
116	RMU0A_DAYS	Num	8	Form Date - Days from enrollment

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Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SDF01	Char	1	SDF01 Exhaled CO Measured
5	SDF01A	Num	8	SDF01A Monitor number
6	SDF01B	Num	8	SDF01B eCO Measurement 1
7	SDF01C	Num	8	SDF01C eCO Measurement 2
8	SDF02	Char	1	SDF02 Pre-bronchodilator spirometry
9	SDF02A	Char	5	SDF02A Time pre-BD slow vital capacity procedure began
10	SDF02A_AMPM	Char	1	SDF02A_AMPM AM/PM
11	SDF03A	Num	8	SDF03A Pre-BD Inspiratory Capacity
12	SDF03B	Num	8	SDF03B Pre-BD Expiratory slow vital capacity
13	SDF03C	Num	8	SDF03C Pre-BD FEV1
14	SDF03D	Num	8	SDF03D Pre-BD FVC
15	SDF04	Char	1	SDF04 Post-bronchodilator spirometry
16	SDF04A	Char	5	SDF04A Time first puff of bronchodilator administered
17	SDF04A_AMPM	Char	1	SDF04A_AMPM AM/PM
18	SDF04B	Char	5	SDF04B Time post-BD slow vital capacity procedure began
19	SDF04B_AMPM	Char	1	SDF04B_AMPM AM/PM
20	SDF05A	Num	8	SDF05A Post-BD Inspiratory Capacity
21	SDF05B	Num	8	SDF05B Post-BD Expiratory slow vital capacity
22	SDF05C	Num	8	SDF05C Post-BD FEV1
23	SDF05D	Num	8	SDF05D Post-BD FVC
24	SDF06	Char	1	SDF06 Post-BD Meet ATS-ERS requirements
25	SDF07	Char	1	SDF07 Complications during spirometry
26	VERSION	Char	21	Version
27	SDF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_sfh_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFH01	Num	8	SFH01 General Health
5	SFH02A	Num	8	SFH02A Limitations on moderate activites
6	SFH02B	Num	8	SFH02B Limitations on difficult activities
7	SFH03A	Char	1	SFH03A Limited in accomplishing tasks
8	SFH03B	Char	1	SFH03B Limited in daily activities
9	SFH04A	Char	1	SFH04A Emotional limitations on activities
10	SFH04B	Char	1	SHF04B Emotional limitations on daily life
11	SFH05	Num	8	SFH05 Pain interfering with normal work
12	SFH06A	Num	8	SFH06A Feeling calm
13	SFH06B	Num	8	SFH06B Energy level
14	SFH06C	Num	8	SFH06C Feeling depressed
15	SFH07	Num	8	SFH07 Physical/emotional health interfering with social life
16	VERSION	Char	21	Version
17	SFH_BP02	Num	8	Year 1 SFH bodily pain
18	SFH_GH02	Num	8	Year 1 SFH general health
19	SFH_MCS02	Num	8	Year 1 SFH mental component summary
20	SFH_MH02	Num	8	Year 1 SFH mental health
21	SFH_PCS02	Num	8	Year 1 SFH physical component summary
22	SFH_PF02	Num	8	Year 1 SFH physical functioning
23	SFH_RE02	Num	8	Year 1 SFH role emotion
24	SFH_RP02	Num	8	Year 1 SFH role physical
25	SFH_SF02	Num	8	Year 1 SFH social functioning
26	SFH_VT02	Num	8	Year 1 SFH vitality
27	SFH0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_sfv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFV01	Char	9	SFV01 study_id
5	SFV10	Char	15	SFV10 Position
6	SFV12	Num	8	SFV12 visit_num
7	SFV13	Num	8	SFV13 interval_num
8	SFV14	Num	8	SFV14 stage_num
9	SFV15	Num	8	SFV15 seq_num
10	SFV16	Char	10	SFV16 vlabel
11	SFV17	Num	8	SFV17 repeats
12	SFV19	Char	15	SFV19 qa_grade
13	SFV20	Char	15	SFV20 qa_status
14	SFV22B	Char	8	SFV22B time
15	SFV23B	Char	8	SFV23B time_best
16	SFV24B	Char	8	SFV24B time_first
17	SFV25	Num	8	SFV25 trial_seq_num
18	SFV26	Num	8	SFV26 ranking
19	SFV27	Num	8	SFV27 temperature
20	SFV28	Num	8	SFV28 barometric
21	SFV29	Num	8	SFV29 humidity
22	SFV30	Num	8	SFV30 fevpd
23	SFV31	Num	8	SFV31 fvcpd
24	SFV32	Num	8	SFV32 fefpd
25	SFV33	Num	8	SFV33 fev1_fvcpd
26	SFV34	Num	8	SFV34 pefpd
27	SFV35	Num	8	SFV35 pctfev
28	SFV36	Num	8	SFV36 pctfvc
29	SFV37	Num	8	SFV37 pctfef2575
30	SFV38	Num	8	SFV38 pctpefr
31	SFV39	Num	8	SFV39 pctfev_fvc
32	SFV40	Num	8	SFV40 fvc
33	SFV41	Num	8	SFV41 flag_fvc_best
34	SFV42B	Char	8	SFV42B trials_time
35	SFV43	Num	8	SFV43 fev05
36	SFV44	Num	8	SFV44 fev05fvc
37	SFV45	Num	8	SFV45 fev1

Num	Variable	Type	Len	Label
38	SFV46	Num	8	SFV46 flag_fev_best
39	SFV47	Num	8	SFV47 fev1fvc
40	SFV48	Num	8	SFV48 flag_fevfvc_best
41	SFV49	Num	8	SFV49 fev3
42	SFV50	Num	8	SFV50 fev3fvc
43	SFV51	Num	8	SFV51 fev6
44	SFV52	Num	8	SFV52 fef212
45	SFV53	Num	8	SFV53 fef2575
46	SFV54	Num	8	SFV54 flag_fef2575_best
47	SFV55	Num	8	SFV55 fef25756
48	SFV56	Num	8	SFV56 fef25
49	SFV57	Num	8	SFV57 fef50
50	SFV58	Num	8	SFV58 fef506
51	SFV59	Num	8	SFV59 fef75
52	SFV60	Num	8	SFV60 fef756
53	SFV61	Num	8	SFV61 fef7585
54	SFV62	Num	8	SFV62 pefr
55	SFV63	Num	8	SFV63 flag_pefr_best
56	SFV64	Num	8	SFV64 met
57	SFV65	Num	8	SFV65 peft
58	SFV66	Num	8	SFV66 vext
59	SFV67	Num	8	SFV67 pctvext
60	SFV68	Num	8	SFV68 expt
61	SFV71	Num	8	SFV71 fivc
62	SFV72	Num	8	SFV72 fiv05
63	SFV73	Num	8	SFV73 fiv05fivc
64	SFV74	Num	8	SFV74 fiv1
65	SFV75	Num	8	SFV75 fiv1fivc
66	SFV76	Num	8	SFV76 fiv3
67	SFV77	Num	8	SFV77 pifr
68	SFV78	Num	8	SFV78 fif212
69	SFV79	Num	8	SFV79 fif2575
70	SFV80	Num	8	SFV80 mit
71	VERSION	Char	21	Version
72	SFV22A_DAYS	Num	8	Date - Days from enrollment
73	SFV23A_DAYS	Num	8	Date best - Days from enrollment
74	SFV24A_DAYS	Num	8	Date first - Days from enrollment
75	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v2_sgr_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SGR0	Char	1	SGR01 Describe current health
5	SGR01	Num	8	SGR01 chest trouble: I cough:
6	SGR02	Num	8	SGR02 chest trouble: I bring up phlegm (sputum):
7	SGR03	Num	8	SGR03 chest trouble: I have had shortness of breath:
8	SGR04	Num	8	SGR04 chest trouble: I have attacks of wheezing:
9	SGR05	Char	1	SGR05 Number of attacks
10	SGR06	Char	1	SGR06 Days with little chest trouble
11	SGR07	Char	1	SGR07 Wheeze in morning
12	SGR08	Char	1	SGR08 Describe chest condition
13	SGR09A	Char	1	SGR09A Feel breathless:Getting washed or dressed
14	SGR09B	Char	1	SGR09B Feel breathless:Walking around the home
15	SGR09C	Char	1	SGR09C Feel breathless:Walking outside on the level
16	SGR09D	Char	1	SGR09D Feel breathless:Walking up a flight of stairs
17	SGR09E	Char	1	SGR09E Feel breathless:Walking up hills
18	SGR10A	Char	1	SGR10A About cough and breathlessness: Painful cough
19	SGR10B	Char	1	SGR10B About cough and breathlessness: Tiring cough
20	SGR10C	Char	1	SGR10C About cough and breathlessness: Breathless when talking
21	SGR10D	Char	1	SGR10D About cough and breathlessness: Breathless when bending over
22	SGR10E	Char	1	SGR10E About cough and breathlessness: Coughing/breathing disturbs sleep
23	SGR10F	Char	1	SGR10F About cough and breathlessness: Easily exhausted
24	SGR11A	Char	1	SGR11A Effect of chest trouble: Embarrassed in public
25	SGR11B	Char	1	SGR11B Effect of chest trouble: Chest trouble annoys others
26	SGR11C	Char	1	SGR11C Effect of chest trouble: Feeling panicked when out of breath
27	SGR11D	Char	1	SGR11D Effect of chest trouble: Chest problem beyond control
28	SGR11E	Char	1	SGR11E Effect of chest trouble: Frail/invalid
29	SGR11F	Char	1	SGR11F Effect of chest trouble: Exercise is unsafe
30	SGR11G	Char	1	SGR11G Effect of chest trouble: Effort
31	SGR12A	Char	1	SGR12A Activities effected by respiratory problems: Long time washing/dressing
32	SGR12B	Char	1	SGR12B Activities effected by respiratory problems: Long time bathing
33	SGR12C	Char	1	SGR12C Activities effected by respiratory problems: Walking slowly/pausing often
34	SGR12D	Char	1	SGR12D Activities effected by respiratory problems: Long time doing housework
35	SGR12E	Char	1	SGR12E Activities effected by respiratory problems: Walking up stairs
36	SGR12F	Char	1	SGR12F Activities effected by respiratory problems: Difficulty walking fast

Num	Variable	Type	Len	Label
37	SGR12G	Char	1	SGR12G Activities effected by respiratory problems: Difficulty performing moderate tasks
38	SGR12H	Char	1	SGR12H Activities effected by respiratory problems: Difficulty performing hard tasks
39	SGR13A	Char	1	SGR13A Activities usually effected by chest: Cannot play sports or games
40	SGR13B	Char	1	SGR13B Activities usually effected by chest: Cannot go out for recreation
41	SGR13C	Char	1	SGR13C Activities usually effected by chest: Cannot go out shopping
42	SGR13D	Char	1	SGR13DActivities usually effected by chest: Cannot do housework
43	SGR13E	Char	1	SGR13E Activities usually effected by chest: Cannot move far from bed/chair
44	SGR14	Num	8	SGR14 Personal effects of chest trouble
45	VERSION	Char	21	Version
46	SGR_SYMPTOMSCORE02	Num	8	Year 1 SGR symptom score
47	SGR_ACTIVITYSCORE02	Num	8	Year 1 SGR activity score
48	SGR_IMPACTSCORE02	Num	8	Year 1 SGR impact score
49	SGR_TOTALSCORE02	Num	8	Year 1 SGR total score
50	SGR0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_smw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SMW01	Num	8	SMW01 Medications taken since post-bronchodilator spirometry
5	SMW01A1	Char	45	SMW01A1 Medication name
6	SMW01A2	Char	20	SMW01A2 Dose
7	SMW01A3	Char	5	SMW01A3 Time
8	SMW01A3_AMPM	Char	1	SMW01A3_AMPM AM/PM
9	SMW01B1	Char	45	SMW01B1 Medication name
10	SMW01B2	Char	20	SMW01B2 Dose
11	SMW01B3	Char	5	SMW01B3 Time
12	SMW01B3_AMPM	Char	1	SMW01B3_AMPM AM/PM
13	SMW01C1	Char	45	SMW01C1 Medication name
14	SMW01C2	Char	20	SMW01C2 Dose
15	SMW01C3	Char	5	SMW01C3 Time
16	SMW01C3_AMPM	Char	1	SMW01C3_AMPM AM/PM
17	SMW02	Char	1	SMW02 blood pressure taken more than 4 hours prior to SMW
18	SMW02A	Num	8	SMW02A Systolic
19	SMW02B	Num	8	SMW02B Diastolic
20	SMW03	Char	1	SMW03 Supplemental Oxygen
21	SMW03A	Num	8	SMW03A Supplemental Oxygen Flow rate
22	SMW03B	Char	1	SMW03B Flow Type
23	SMW04A	Num	8	SMW04A Oxygen saturation (SpO2) at rest prior to SMW
24	SMW04B	Num	8	SMW04B Pulse at rest prior to SMW
25	SMW05	Char	1	SMW05 Was continuous oximetry recorded?
26	SMW06	Char	5	SMW06 Start time of 6MW
27	SMW06_AMPM	Char	1	SMW06_AMPM AM/PM
28	SMW07A	Num	8	SMW07A Oxygen saturation (SpO2) immediately following SMW
29	SMW07B	Num	8	SMW07B Pulse immediately following SMW
30	SMW07C	Num	8	SMW07C Breathlessness Score immediately following SMW
31	SMW07D	Num	8	SMW07D Exertion score immediately following SMW
32	SMW08A	Char	1	SMW08A Type of SMW course used (meters, feet, or other)
33	SMW08A1	Char	100	SMW08A1 Specify other type of SMW course used
34	SMW08B	Num	8	SMW08B Number of full laps
35	SMW08C	Num	8	SMW08C Distance walked final partial lap
36	SMW09	Char	1	SMW09 Stopped before 6 minutes
37	SMW09A1	Num	8	SMW09A1 Duration (minutes)

Num	Variable	Type	Len	Label
38	SMW09A2	Num	8	SMW09A2 Duration (seconds)
39	SMW09B1	Num	8	SMW09B1 Primary reason for stopping/not walking faster: Desaturation to LT 80%
40	SMW09B2	Num	8	SMW09B2 Primary reason for stopping/not walking faster: Orthopedic pain
41	SMW09B3	Num	8	SMW09B3 Primary reason for stopping/not walking faster: Muscle pain
42	SMW09B4	Num	8	SMW09B4 Primary reason for stopping/not walking faster: Breathlessness
43	SMW09B5	Num	8	SMW09B5 Primary reason for stopping/not walking faster: Adverse Event
44	SMW09B5A	Num	8	SMW09B5A SMW related AE: Angina
45	SMW09B5B	Num	8	SMW09B5B SMW related AE: Lightheadedness
46	SMW09B5C	Num	8	SMW09B5C SMW related AE: Intolerable dyspnea
47	SMW09B5D	Num	8	SMW09B5D SMW related AE: Leg cramps
48	SMW09B5E	Num	8	SMW09B5E SMW related AE: Staggering
49	SMW09B5F	Num	8	SMW09B5F SMW related AE: Diaphoresis
50	SMW09B5G	Num	8	SMW09B5G SMW related AE: Pale or ashen appearance
51	SMW09B5H	Num	8	SMW09B5H SMW related AE: Mental confusion or headache
52	SMW09B5I	Num	8	SMW09B5I SMW related AE: Other
53	SMW09B5ISP	Char	100	SMW09B5ISP Explain other AE related to SMW
54	VERSION	Char	21	Version
55	SMW0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v2_ssv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SSV01	Char	9	SSV01 study_id
5	SSV10	Char	15	SSV10 position
6	SSV12	Num	8	SSV12 visit_num
7	SSV13	Num	8	SSV13 interval_num
8	SSV14	Num	8	SSV14 stage_num
9	SSV15	Num	8	SSV15 seq_num
10	SSV16	Char	5	SSV16 vlabel
11	SSV17	Num	8	SSV17 repeats
12	SSV19	Char	15	SSV19 qa_grade
13	SSV20	Char	15	SSV20 qa_status
14	SSV22B	Char	8	SSV22B time
15	SSV23B	Char	8	SSV23B time_best
16	SSV24B	Char	8	SSV24B time_first
17	SSV25B	Char	8	SSV25B trials_time
18	SSV26	Num	8	SSV26 trial_seq_num
19	SSV27	Num	8	SSV27 ranking
20	SSV28	Num	8	SSV28 temperature
21	SSV29	Num	8	SSV29 barometric
22	SSV30	Num	8	SSV30 humidity
23	SSV31	Num	8	SSV31 pre_washout_1
24	SSV33	Num	8	SSV33 svc
25	SSV34	Num	8	SSV34 svcpd
26	SSV35	Num	8	SSV35 pctsvc
27	SSV36	Num	8	SSV36 flag_svc_best
28	SSV37	Num	8	SSV37 ic
29	SSV38	Num	8	SSV38 irv
30	SSV39	Num	8	SSV39 erv
31	SSV40	Num	8	SSV40 tv
32	VERSION	Char	21	Version
33	SSV22A_DAYS	Num	8	Date - Days from enrollment
34	SSV23A_DAYS	Num	8	Date best - Days from enrollment
35	SSV24A_DAYS	Num	8	Date first - Days from enrollment
36	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v2_vsa_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	VSA01	Char	1	VSA01 1 MET
5	VSA02	Char	1	VSA02 2 METs
6	VSA03	Char	1	VSA03 3 METs
7	VSA04	Char	1	VSA04 4 METs
8	VSA05	Char	1	VSA05 5 METs
9	VSA06	Char	1	VSA06 6 METs
10	VSA07	Char	1	VSA07 7 METs
11	VSA08	Char	1	VSA08 8 METs
12	VSA09	Char	1	VSA09 9 METs
13	VSA10	Char	1	VSA10 10 METs
14	VSA11	Char	1	VSA11 11 METs
15	VSA12	Char	1	VSA12 12 METs
16	VSA13	Char	1	VSA13 13 METs
17	VERSION	Char	21	Version
18	VSASCORE02	Num	8	Year 1 veteran specific activity score
19	VSA0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_ant_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ANT01	Char	1	ANT01 Assessment of ability to stand
5	ANT02	Num	8	ANT02 Standing Height (cm)
6	ANT03	Num	8	ANT03 Weight (kg)
7	ANT04	Num	8	ANT04 BMI
8	ANT05	Num	8	ANT05 Arm Span (cm)
9	ANT06A	Num	8	ANT06A Waist (cm)
10	ANT06B	Num	8	ANT06B Hip (cm)
11	ANT06C	Num	8	ANT06C Neck (cm)
12	VERSION	Char	21	Version
13	ANT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_bpf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BPF01	Char	1	BPF01 Right arm blood pressure
5	BPF02	Num	8	BPF02 Arm circumference
6	BPF03	Char	1	BPF03 Cuff size
7	BPF04	Num	8	BPF04 Respiration Rate
8	BPF05	Char	5	BPF05 Time first blood pressure taken
9	BPF05_AMPM	Char	1	BPF05_AMPM first bp measurement AM/PM
10	BPF05A	Num	8	BPF05A First Systolic
11	BPF05B	Num	8	BPF05B First Diastolic
12	BPF05C	Num	8	BPF05C First Heart Rate
13	BPF06	Char	5	BPF06 Time second blood pressure taken:
14	BPF06_AMPM	Char	1	BPF06_AMPM second BP measurement AM/PM
15	BPF06A	Num	8	BPF05A Second Systolic
16	BPF06B	Num	8	BPF05B Second Diastolic
17	BPF06C	Num	8	BPF05C Second Heart Rate
18	BPF07	Char	5	BPF07 Time third blood pressure taken:
19	BPF07_AMPM	Char	1	BPF07_AMPM third BP measurement AM/PM
20	BPF07A	Num	8	BPF05A Third Systolic
21	BPF07B	Num	8	BPF05B Third Diastolic
22	BPF07C	Num	8	BPF05C Third Heart Rate
23	BPF08A	Num	8	BPF08A Average Systolic
24	BPF08B	Num	8	BPF08B Average Diastolic
25	BPF08C	Num	8	BPF08C Average Heart Rate
26	VERSION	Char	21	Version
27	BPF0A_DAYS	Num	8	BPF0A Form Date - Days from enrollment

Data Set Name: v3_bsq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BSQ01	Char	1	BSQ01 Snore
5	BSQ02	Num	8	BSQ02 Describe snore
6	BSQ03	Num	8	BSQ03 Snoring frequency
7	BSQ04	Char	1	BSQ04 Bothersome snoring
8	BSQ05	Num	8	BSQ05 Breathing during sleep
9	BSQ06	Char	1	BSQ06 Fatigue after sleep
10	BSQ07	Char	1	BSQ07 Fatigue during waking time
11	BSQ08	Char	1	BSQ08 Fatigue while driving
12	BSQ09	Char	1	BSQ09 Frequency of fatigue while driving
13	BSQ10	Char	1	BSQ10 High blood pressure
14	VERSION	Char	21	Version
15	BSQ_APNEARISK03	Char	5	Year 2 Berlin Sleep apnea risk
16	BSQ0A_DAYS	Num	8	FORM Date - Days from enrollment

Data Set Name: v3_cat_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	CAT01	Char	1	CAT01 Never cough
5	CAT02	Char	1	CAT02 No phlegm
6	CAT03	Char	1	CAT03 No chest tightness
7	CAT04	Char	1	CAT04 Not out of breath
8	CAT05	Char	1	CAT05 Not limited at home
9	CAT06	Char	1	CAT06 Confidence leaving home
10	CAT07	Char	1	CAT07 Sound sleeping
11	CAT08	Char	1	CAT08 Energy level
12	VERSION	Char	21	Version
13	CAT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_dem_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	DEM01A	Num	8	DEM01A Age
5	DEM02	Char	2	DEM02 Highest grade completed
6	DEM03	Char	1	DEM03 Marital status
7	DEM04	Char	1	DEM04 Total yearly household income
8	VERSION	Char	21	Version
9	DEM0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_derv_post_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFV01	Char	9	study_id
5	PFV10	Char	15	Position
6	PFV12	Num	8	visit_num
7	PFV13	Num	8	interval_num
8	PFV14	Num	8	stage_num
9	PFV15	Num	8	seq_num
10	PFV16	Char	15	vlabel
11	PFV17	Num	8	repeats
12	PFV22B	Char	8	time
13	PFV23B	Char	8	time_best
14	PFV24B	Char	8	time_first
15	PFV27	Num	8	temperature
16	PFV28	Num	8	barometric
17	PFV29	Num	8	humidity
18	VERSION	Char	21	Version
19	PFV31_DERV	Num	8	Fvcpd_derv
20	PFV36_DERV	Num	8	Pctfvc_derv
21	PFV40_DERV	Num	8	Fvc_derv
22	PFV41	Num	8	flag_fvc_best
23	PFV49_DERV	Num	8	Fev3_derv
24	PFV51_DERV	Num	8	Fev6_derv
25	PFV68_DERV	Num	8	Expt_derv
26	PFV71_DERV	Num	8	Fivc_derv
27	PFV72_DERV	Num	8	Fiv05_derv
28	PFV73_DERV	Num	8	Fiv05fivc_derv
29	PFV74_DERV	Num	8	Fiv1_derv
30	PFV75_DERV	Num	8	Fiv1fivc_derv
31	PFV76_DERV	Num	8	Fiv3_derv
32	PFV78_DERV	Num	8	Fif212_derv
33	PFV79_DERV	Num	8	Fif2575_derv
34	PFV80_DERV	Num	8	Mit_derv
35	PFV30_DERV	Num	8	Fevpd_derv
36	PFV35_DERV	Num	8	Pctfev_derv
37	PFV43_DERV	Num	8	Fev05_derv

Num	Variable	Type	Len	Label
38	PFV45_DERV	Num	8	Fev1_derv
39	PFV46	Num	8	flag_fev_best
40	PFV66_DERV	Num	8	Vext_derv
41	PFV67_DERV	Num	8	Pctvext_derv
42	PFV69_DERV	Num	8	RVSPCA_derv
43	PFV70_DERV	Num	8	Fevdiff_derv
44	PFV33_DERV	Num	8	Fev1_fvcpd_derv
45	PFV39_DERV	Num	8	Pctfev_fvc_derv
46	PFV44_DERV	Num	8	Fev05fvc_derv
47	PFV47_DERV	Num	8	Fev1fvc_derv
48	PFV48	Num	8	flag_fevfvc_best
49	PFV50_DERV	Num	8	Fev3fvc_derv
50	PFV32_DERV	Num	8	Fefpd_derv
51	PFV37_DERV	Num	8	Pctfef2575_derv
52	PFV52_DERV	Num	8	Fef212_derv
53	PFV53_DERV	Num	8	Fef2575_derv
54	PFV54	Num	8	flag_fef2575_best
55	PFV55_DERV	Num	8	Fef25756_derv
56	PFV56_DERV	Num	8	Fef25_derv
57	PFV57_DERV	Num	8	Fef50_derv
58	PFV58_DERV	Num	8	Fef506_derv
59	PFV59_DERV	Num	8	Fef75_derv
60	PFV60_DERV	Num	8	Fef756_derv
61	PFV61_DERV	Num	8	Fef7585_derv
62	PFV64_DERV	Num	8	Met_derv
63	PFV34_DERV	Num	8	Pefpd_derv
64	PFV38_DERV	Num	8	Pctpefr_derv
65	PFV62_DERV	Num	8	Pefr_derv
66	PFV63	Num	8	flag_pefr_best
67	PFV65_DERV	Num	8	Peft_derv
68	PFV77_DERV	Num	8	Pifr_derv
69	POST_FEV1FVC_DERV	Num	8	post_BD derived FEV1 FVC ratio using best FEV1 and FVC value
70	PFV22A_DAYS	Num	8	Date - Days from enrollment
71	PFV23A_DAYS	Num	8	Date best - Days from enrollment
72	PFV24A_DAYS	Num	8	Date first - Days from enrollment
73	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v3_derv_post_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PSV01	Char	9	study_id
5	PSV10	Char	15	position
6	PSV12	Num	8	visit_num
7	PSV13	Char	15	interval_num
8	PSV14	Num	8	stage_num
9	PSV15	Num	8	seq_num
10	PSV16	Char	5	vlabel
11	PSV17	Num	8	repeats
12	PSV19	Char	15	qa_grade
13	PSV20	Char	15	qa_status
14	PSV23B	Char	8	time_best
15	PSV24B	Char	8	time_first
16	PSV28	Num	8	temperature
17	PSV29	Num	8	barometric
18	PSV30	Num	8	humidity
19	PSV32	Char	5	tom
20	VERSION	Char	21	Version
21	PSV33_DERV	Num	8	Svc_derv
22	PSV34_DERV	Num	8	Svcpd_derv
23	PSV35_DERV	Num	8	Pctsvc_derv
24	PSV36	Num	8	flag_svc_best
25	PSV37_DERV	Num	8	IC_derv
26	PSV38_DERV	Num	8	IRV_derv
27	PSV39_DERV	Num	8	ERV_derv
28	PSV40_DERV	Num	8	TV_derv
29	PSV22A_DAYS	Num	8	Date - Days from enrollment
30	PSV23A_DAYS	Num	8	Date best - Days from enrollment
31	PSV24A_DAYS	Num	8	Date first - Days from enrollment
32	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v3_derv_pre_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFV01	Char	9	study_id
5	SFV10	Char	15	Position
6	SFV12	Num	8	visit_num
7	SFV13	Num	8	interval_num
8	SFV14	Num	8	stage_num
9	SFV15	Num	8	seq_num
10	SFV16	Char	10	vlabel
11	SFV17	Num	8	repeats
12	SFV22B	Char	8	time
13	SFV23B	Char	8	time_best
14	SFV24B	Char	8	time_first
15	SFV27	Num	8	temperature
16	SFV28	Num	8	barometric
17	SFV29	Num	8	humidity
18	VERSION	Char	21	Version
19	SFV31_DERV	Num	8	Fvcpd_derv
20	SFV36_DERV	Num	8	Pctfvc_derv
21	SFV40_DERV	Num	8	Fvc_derv
22	SFV41	Num	8	flag_fvc_best
23	SFV49_DERV	Num	8	Fev3_derv
24	SFV51_DERV	Num	8	Fev6_derv
25	SFV68_DERV	Num	8	Expt_derv
26	SFV71_DERV	Num	8	Fivc_derv
27	SFV72_DERV	Num	8	Fiv05_derv
28	SFV73_DERV	Num	8	Fiv05fivc_derv
29	SFV74_DERV	Num	8	Fiv1_derv
30	SFV75_DERV	Num	8	Fiv1fivc_derv
31	SFV76_DERV	Num	8	Fiv3_derv
32	SFV78_DERV	Num	8	Fif212_derv
33	SFV79_DERV	Num	8	Fif2575_derv
34	SFV80_DERV	Num	8	Mit_derv
35	SFV30_DERV	Num	8	Fevpd_derv
36	SFV35_DERV	Num	8	Pctfev_derv
37	SFV43_DERV	Num	8	Fev05_derv

Num	Variable	Type	Len	Label
38	SFV45_DERV	Num	8	Fev1_derv
39	SFV46	Num	8	flag_fev_best
40	SFV66_DERV	Num	8	Vext_derv
41	SFV67_DERV	Num	8	Pctvext_derv
42	SFV33_DERV	Num	8	Fev1_fvcpd_derv
43	SFV39_DERV	Num	8	Pctfev_fvc_derv
44	SFV44_DERV	Num	8	Fev05fvc_derv
45	SFV47_DERV	Num	8	Fev1fvc_derv
46	SFV48	Num	8	flag_fevfvc_best
47	SFV50_DERV	Num	8	Fev3fvc_derv
48	SFV32_DERV	Num	8	Fefpd_derv
49	SFV37_DERV	Num	8	Pctfef2575_derv
50	SFV52_DERV	Num	8	Fef212_derv
51	SFV53_DERV	Num	8	Fef2575_derv
52	SFV54	Num	8	flag_fef2575_best
53	SFV55_DERV	Num	8	Fef25756_derv
54	SFV56_DERV	Num	8	Fef25_derv
55	SFV57_DERV	Num	8	Fef50_derv
56	SFV58_DERV	Num	8	Fef506_derv
57	SFV59_DERV	Num	8	Fef75_derv
58	SFV60_DERV	Num	8	Fef756_derv
59	SFV61_DERV	Num	8	Fef7585_derv
60	SFV64_DERV	Num	8	Met_derv
61	SFV34_DERV	Num	8	Pefpd_derv
62	SFV38_DERV	Num	8	Pctpefr_derv
63	SFV62_DERV	Num	8	Pefr_derv
64	SFV63	Num	8	flag_pefr_best
65	SFV65_DERV	Num	8	Peft_derv
66	SFV77_DERV	Num	8	Pifr_derv
67	PRE_FEV1FVC_DERV	Num	8	pre-BD derived FEV1 FVC ratio using best FEV1 and FVC value
68	SFV22A_DAYS	Num	8	Date - Days from enrollment
69	SFV23A_DAYS	Num	8	Date best - Days from enrollment
70	SFV24A_DAYS	Num	8	Date first - Days from enrollment
71	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v3_derv_pre_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SSV01	Char	9	study_id
5	SSV10	Char	15	position
6	SSV12	Num	8	visit_num
7	SSV13	Num	8	interval_num
8	SSV14	Num	8	stage_num
9	SSV15	Num	8	seq_num
10	SSV16	Char	5	vlabel
11	SSV17	Num	8	repeats
12	SSV19	Char	15	qa_grade
13	SSV20	Char	15	qa_status
14	SSV23B	Char	8	time_best
15	SSV28	Num	8	temperature
16	SSV29	Num	8	barometric
17	SSV30	Num	8	humidity
18	SSV31	Num	8	pre_washout_1
19	VERSION	Char	21	Version
20	SSV33_DERV	Num	8	Svc_derv
21	SSV34_DERV	Num	8	Svcpd_derv
22	SSV35_DERV	Num	8	Pctsvc_derv
23	SSV36	Num	8	flag_svc_best
24	SSV37_DERV	Num	8	IC_derv
25	SSV38_DERV	Num	8	IRV_derv
26	SSV39_DERV	Num	8	ERV_derv
27	SSV40_DERV	Num	8	TV_derv
28	SSV22A_DAYS	Num	8	Date - Days from enrollment
29	SSV23A_DAYS	Num	8	Date best - Days from enrollment
30	SSV24A_DAYS	Num	8	Date first - Days from enrollment
31	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v3_eca_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ECA1	Char	1	1. Have you ever used an electronic cigarette or eCigarette?
5	ECA3A	Char	1	3a. Usually were the eCigarettes you smoke/smoked with flavorings?
6	ECA3B	Char	1	3b. If yes, what flavor was it?
7	ECA4	Char	1	4. Do you still smoke eCigarettes?
8	ECA5A	Char	1	5a. Do you still smoke regular tobacco cigarettes?
9	ECA5B	Num	8	5b. If Yes, how many regular cigarettes do you smoke a day:
10	ECA5C	Char	1	5c. Has your use of eCigarettes decreased the number of regular cigarettes you smoke each day?
11	ECA5C1	Num	8	5c1. If Yes, about how many fewer cigarettes do you now smoke?
12	ECA6	Char	1	6. How often do you smoke eCigarettes?
13	ECA7	Char	1	7. When did you last smoke an eCigarette?
14	ECA8	Num	8	8. In the last 24 hours, how many times have you smoked an eCigarette?
15	ECA9A	Char	1	9a. What brand of eCigarette do you now smoke?
16	ECA9B	Char	100	9b. Specify:
17	ECA10A	Char	1	10a. What cartridge size do you use most often with your eCigarettes?
18	ECA11	Num	8	11. In one week, how many eCigarette cartridges do you use?
19	ECA12	Char	1	12. Did you start smoking eCigarettes because you wanted to cut down or stop smoking regular cigarettes?
20	ECA13	Char	1	13. Did you start smoking eCigarettes because you wanted to improve your health?
21	ECA14A	Num	8	how long did you smoke eCigarettes days
22	ECA14B	Num	8	how long did you smoke eCigarettes months
23	ECA14C	Num	8	how long did you smoke eCigarettes years
24	ECA15A	Num	8	how long has it been since you smoked eCigarettes days
25	ECA15B	Num	8	how long has it been since you smoked eCigarettes months
26	ECA15C	Num	8	how long has it been since you smoked eCigarettes years
27	ECA16	Char	1	16. When did you did smoke eCigarettes, how often did you smoke eCigarettes?
28	ECA17	Char	1	17. What brand of eCigarette did you usually smoke?
29	ECA17A	Char	100	17a. Specify:
30	ECA18A	Char	1	18a. What size cartridge did you use most often with your eCigarettes?
31	ECA19	Num	8	19. On average, in one week, how many eCigarette cartridges did you use?
32	VERSION	Char	21	Version
33	ECA0A_DAYS	Num	8	Form Date - Days from enrollment
34	ECA2_DAYS	Num	8	Date first started smoking eCigarettes - Days from enrollment

Data Set Name: v3_ecf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ECF0C	Char	1	0c. Has this participant previously completed the ECA - eCigarette Use Assessment form?
5	ECF1	Char	1	1. Have you used electronic cigarettes or eCigarettes since your last visit?
6	ECF3A	Char	1	3a. Usually were the eCigarettes you smoke/smoked with flavorings?
7	ECF3B	Char	1	3b. If yes, what flavor was it?
8	ECF4	Char	1	4. Do you still smoke eCigarettes?
9	ECF5A	Char	1	5a. Do you still smoke regular tobacco cigarettes?
10	ECF5B	Num	8	5b. If Yes, how many regular cigarettes do you smoke a day:
11	ECF5C	Char	1	5c. Has your use of eCigarettes decreased the number of regular cigarettes you smoke each day?
12	ECF5C1	Num	8	5c1. If Yes, about how many fewer cigarettes do you now smoke?
13	ECF6	Char	1	6. How often do you smoke eCigarettes?
14	ECF7	Char	1	7. When did you last smoke an eCigarette?
15	ECF8	Num	8	8. In the last 24 hours, how many times have you smoked an eCigarette?
16	ECF9A	Char	1	9a. What brand of eCigarette do you now smoke?
17	ECF9B	Char	100	9b. Specify:
18	ECF10A	Char	1	10a. What cartridge size do you use most often with your eCigarettes?
19	ECF11	Num	8	11. In one week, how many eCigarette cartridges do you use?
20	ECF12	Char	1	12. Did you start smoking eCigarettes because you wanted to cut down or stop smoking regular cigarettes?
21	ECF13	Char	1	13. Did you start smoking eCigarettes because you wanted to improve your health?
22	ECF14A	Num	8	how long did you smoke eCigarettes days
23	ECF14B	Num	8	how long did you smoke eCigarettes months
24	ECF14C	Num	8	how long did you smoke eCigarettes years
25	ECF15A	Num	8	how long has it been since you smoked eCigarettes days
26	ECF15B	Num	8	how long has it been since you smoked eCigarettes months
27	ECF15C	Num	8	how long has it been since you smoked eCigarettes years
28	ECF16	Char	1	16. When did you did smoke eCigarettes, how often did you smoke eCigarettes?
29	ECF17	Char	1	17. What brand of eCigarette did you usually smoke?
30	ECF17A	Char	100	17a. Specify:
31	ECF18A	Char	1	18a. What size cartridge did you use most often with your eCigarettes?
32	ECF19	Num	8	19. On average, in one week, how many eCigarette cartridges did you use?
33	VERSION	Char	21	Version
34	ECF0A_DAYS	Num	8	Form Date - Days from enrollment
35	ECF2_DAYS	Num	8	Date first started smoking eCigarettes - Days from enrollment

Data Set Name: v3_eha_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	EHA1	Char	1	1. Has your employment status changed in the last 12 months? (If 'No' or 'No Answer', go to item 18.)
5	EHA2	Char	1	2. How has your employment situation changed in the last 12 months? Have you (Please read all options before recording answer):
6	EHA7	Num	8	7. On average, how many hours per week do you work?
7	EHA8	Char	1	8. Does your current job expose you to vapors, gas, dust or fumes?
8	EHA9	Char	1	9. Did you leave your last job because of breathing or lung problems?
9	EHA10	Char	1	10. Did your last job expose you to vapors, gas, dust or fumes?
10	EHA11	Char	1	11. Are you no longer working at your last job at least in part to avoid the things that caused you difficulty breathing, such as air quality, temperature, or physical exertion?
11	EHA12	Char	1	12. Thinking back to when you were last employed, did you stop working, at least in part, because of missed time due to illness?
12	EHA13A	Char	1	13a. in a cotton, flax or hemp mill?
13	EHA13A1	Num	8	13a1. How many years?
14	EHA13B	Char	1	13b. in a foundry?
15	EHA13B1	Num	8	13b1. How many years?
16	EHA13C	Char	1	13c. in a glass works?
17	EHA13C1	Num	8	13c1. How many years?
18	EHA13D	Char	1	13d. in a mine?
19	EHA13D1	Num	8	13d1. How many years?
20	EHA13E	Char	1	13e. in a pottery?
21	EHA13E1	Num	8	13e1. How many years?
22	EHA13F	Char	1	13f. in a power plant?
23	EHA13F1	Num	8	13f1. How many years?
24	EHA13G	Char	1	13g. in a quarry?
25	EHA13G1	Num	8	13g1. How many years?
26	EHA13H	Char	1	13h. in a refinery?
27	EHA13H1	Num	8	13h1. How many years?
28	EHA13I	Char	1	13i. or with asbestos?
29	EHA13I1	Num	8	13i1. How many years?
30	EHA13J	Char	1	13j. in synthetic fibers or fabric manufacturing?
31	EHA13J1	Num	8	13j1. How many years?
32	EHA13K	Char	1	13k. in a paper mill?
33	EHA13K1	Num	8	13k1. How many years?
34	EHA13L	Char	1	13l. in building or highway construction?
35	EHA13L1	Num	8	13l1. How many years?

Num	Variable	Type	Len	Label
36	EHA13M	Char	1	13m. in an aluminum factory?
37	EHA13M1	Num	8	13m1. How many years?
38	EHA13N	Char	1	13n. in a rubber tire plant?
39	EHA13N1	Num	8	13n1. How many years?
40	EHA13O	Char	1	13o. in HVAC?
41	EHA13O1	Num	8	13o1. How many years?
42	EHA13P	Char	1	13p. in demolition?
43	EHA13P1	Num	8	13p1. How many years?
44	EHA13Q	Char	1	13q. in remodeling?
45	EHA13Q1	Num	8	13q1. How many years?
46	EHA13R	Char	1	13r. in professional cleaning?
47	EHA13R1	Num	8	13r1. How many years?
48	EHA13S	Char	1	13s. in beauty care?
49	EHA13S1	Num	8	13s1. How many years?
50	EHA13T	Char	1	13t. in agriculture?
51	EHA13T1	Num	8	13t1. How many years?
52	EHA13U	Char	1	13u. in the flooring industry?
53	EHA13U1	Num	8	13u1. How many years?
54	EHA14A	Char	1	14a. a boilermaker?
55	EHA14A1	Num	8	14a1. How many years?
56	EHA14B	Char	1	14b. a carpenter?
57	EHA14B1	Num	8	14b1. How many years?
58	EHA14C	Char	1	14c. a chemical worker?
59	EHA14C1	Num	8	14c1. How many years?
60	EHA14D	Char	1	14d. an electrician?
61	EHA14D1	Num	8	14d1. How many years?
62	EHA14E	Char	1	14e. an elevator operator?
63	EHA14E1	Num	8	14e1. How many years?
64	EHA14F	Char	1	14f. an insulator?
65	EHA14F1	Num	8	14f1. How many years?
66	EHA14G	Char	1	14g. a lather?
67	EHA14G1	Num	8	14g1. How many years?
68	EHA14H	Char	1	14h. a machinist?
69	EHA14H1	Num	8	14h1. How many years?
70	EHA14I	Char	1	14i. a mechanic?
71	EHA14I1	Num	8	14i1. How many years?
72	EHA14J	Char	1	14j. a millwright?
73	EHA14J1	Num	8	14j1. How many years?
74	EHA14K	Char	1	14k. a pipefitter?

Num	Variable	Type	Len	Label
75	EHA14K1	Num	8	14k1. How many years?
76	EHA14L	Char	1	14l. a plasterer?
77	EHA14L1	Num	8	14l1. How many years?
78	EHA14M	Char	1	14m. a plumber?
79	EHA14M1	Num	8	14m1. How many years?
80	EHA14N	Char	1	14n. a sander?
81	EHA14N1	Num	8	14n1. How many years?
82	EHA14O	Char	1	14o. a sheet metal worker?
83	EHA14O1	Num	8	14o1. How many years?
84	EHA14P	Char	1	14p. a steelworker?
85	EHA14P1	Num	8	14p1. How many years?
86	EHA14Q	Char	1	14q. a welder?
87	EHA14Q1	Num	8	14q1. How many years?
88	EHA14R	Char	1	14r. a pig farmer?
89	EHA14R1	Num	8	14r1. How many years?
90	EHA14S	Char	1	14s. a rigger?
91	EHA14S1	Num	8	14s1. How many years?
92	EHA14T	Char	1	14t. a roofer?
93	EHA14T1	Num	8	14t1. How many years?
94	EHA14U	Char	1	14u. a painter?
95	EHA14U1	Num	8	14u1. How many years?
96	EHA14V	Char	1	14v. a mason?
97	EHA14V1	Num	8	14v1. How many years?
98	EHA15A	Char	1	15a. Irritant gases, such as chlorine or ammonia?
99	EHA15A1	Num	8	15a1. How many years?
100	EHA15B	Char	1	15b. Fire, smoke or other combustion products?
101	EHA15B1	Num	8	15b1. How many years?
102	EHA15C	Char	1	15c. Incinerators, boilers, or oil refineries?
103	EHA15C1	Num	8	15c1. How many years?
104	EHA15D	Char	1	15d. Coal dust or powder?
105	EHA15D1	Num	8	15d1. How many years?
106	EHA15E	Char	1	15e. Silica or sand, or concrete or cement dust?
107	EHA15E1	Num	8	15e1. How many years?
108	EHA15F	Char	1	15f. Indoor fuel powered motors, compressors, or engines?
109	EHA15F1	Num	8	15f1. How many years?
110	EHA15G	Char	1	15g. Diesel engine exhaust?
111	EHA15G1	Num	8	15g1. How many years?
112	EHA15H	Char	1	15h. Wheat flour or other grain dusts?
113	EHA15H1	Num	8	15h1. How many years?

Num	Variable	Type	Len	Label
114	EHA15I	Char	1	15i. Animal feeds or fodder?
115	EHA15I1	Num	8	15i1. How many years?
116	EHA15J	Char	1	15j. Cotton dust or cotton processing?
117	EHA15J1	Num	8	15j1. How many years?
118	EHA15K	Char	1	15k. Wood dust or saw dust?
119	EHA15K1	Num	8	15k1. How many years?
120	EHA15L	Char	1	15l. Cadmium fumes or batteries or sliver solder?
121	EHA15L1	Num	8	15l1. How many years?
122	EHA15M	Char	1	15m. Other metal dusts or metal fumes?
123	EHA15M1	Num	8	15m1. How many years?
124	EHA15N	Char	1	15n. Welding or flame cutting?
125	EHA15N1	Num	8	15n1. How many years?
126	EHA15O	Char	1	15o. Fiberglass or other man-made mineral fibers?
127	EHA15O1	Num	8	15o1. How many years?
128	EHA15P	Char	1	15p. Explosives or blasting fumes?
129	EHA15P1	Num	8	15p1. How many years?
130	EHA16	Char	1	16. What type of mine was it?
131	EHA16A	Char	50	16a. Specify:
132	EHA17	Char	1	17. What was mined?
133	EHA17A	Char	50	17a. Specify:
134	EHA18A	Char	1	18a. in a cotton, flax or hemp mill?
135	EHA18A1	Num	8	18a1. How many years?
136	EHA18B	Char	1	18b. in a foundry?
137	EHA18B1	Num	8	18b1. How many years?
138	EHA18C	Char	1	18c. in a glass works?
139	EHA18C1	Num	8	18c1. How many years?
140	EHA18D	Char	1	18d. in a mine?
141	EHA18D1	Num	8	18d1. How many years?
142	EHA18E	Char	1	18e. in a pottery?
143	EHA18E1	Num	8	18e1. How many years?
144	EHA18F	Char	1	18f. in a power plant?
145	EHA18F1	Num	8	18f1. How many years?
146	EHA18G	Char	1	18g. in a quarry?
147	EHA18G1	Num	8	18g1. How many years?
148	EHA18H	Char	1	18h. in a refinery?
149	EHA18H1	Num	8	18h1. How many years?
150	EHA18I	Char	1	18i. or with asbestos?
151	EHA18I1	Num	8	18i1. How many years?
152	EHA18J	Char	1	18j. in synthetic fibers or fabric manufacturing?

Num	Variable	Type	Len	Label
153	EHA18J1	Num	8	18j1. How many years?
154	EHA18K	Char	1	18k. in a paper mill?
155	EHA18K1	Num	8	18k1. How many years?
156	EHA18L	Char	1	18l. in building or highway construction?
157	EHA18L1	Num	8	18l1. How many years?
158	EHA18M	Char	1	18m. in an aluminum factory?
159	EHA18M1	Num	8	18m1. How many years?
160	EHA18N	Char	1	18n. in a rubber tire plant?
161	EHA18N1	Num	8	18n1. How many years?
162	EHA18O	Char	1	18o. in HVAC?
163	EHA18O1	Num	8	18o1. How many years?
164	EHA18P	Char	1	18p. in demolition?
165	EHA18P1	Num	8	18p1. How many years?
166	EHA18Q	Char	1	18q. in remodeling?
167	EHA18Q1	Num	8	18q1. How many years?
168	EHA18R	Char	1	18r. in professional cleaning?
169	EHA18R1	Num	8	18r1. How many years?
170	EHA18S	Char	1	18s. in beauty care?
171	EHA18S1	Num	8	18s1. How many years?
172	EHA18T	Char	1	18t. in agriculture?
173	EHA18T1	Num	8	18t1. How many years?
174	EHA18U	Char	1	18u. in the flooring industry?
175	EHA18U1	Num	8	18u1. How many years?
176	EHA19A	Char	1	19a. a boilermaker?
177	EHA19A1	Num	8	19a1. How many years?
178	EHA19B	Char	1	19b. a carpenter?
179	EHA19B1	Num	8	19b1. How many years?
180	EHA19C	Char	1	19c. a chemical worker?
181	EHA19C1	Num	8	19c1. How many years?
182	EHA19D	Char	1	19d. an electrician?
183	EHA19D1	Num	8	19d1. How many years?
184	EHA19E	Char	1	19e. an elevator operator?
185	EHA19E1	Num	8	19e1. How many years?
186	EHA19F	Char	1	19f. an insulator?
187	EHA19F1	Num	8	19f1. How many years?
188	EHA19G	Char	1	19g. a lather?
189	EHA19G1	Num	8	19g1. How many years?
190	EHA19H	Char	1	19h. a machinist?
191	EHA19H1	Num	8	19h1. How many years?

Num	Variable	Type	Len	Label
192	EHA19I	Char	1	19i. a mechanic?
193	EHA19I1	Num	8	19i1. How many years?
194	EHA19J	Char	1	19j. a millwright?
195	EHA19J1	Num	8	19j1. How many years?
196	EHA19K	Char	1	19k. a pipefitter?
197	EHA19K1	Num	8	19k1. How many years?
198	EHA19L	Char	1	19l. a plasterer?
199	EHA19L1	Num	8	19l1. How many years?
200	EHA19M	Char	1	19m. a plumber?
201	EHA19M1	Num	8	19m1. How many years?
202	EHA19N	Char	1	19n. a sander?
203	EHA19N1	Num	8	19n1. How many years?
204	EHA19O	Char	1	19o. a sheet metal worker?
205	EHA19O1	Num	8	19o1. How many years?
206	EHA19P	Char	1	19p. a steelworker?
207	EHA19P1	Num	8	19p1. How many years?
208	EHA19Q	Char	1	19q. a welder?
209	EHA19Q1	Num	8	19q1. How many years?
210	EHA19R	Char	1	19r. a pig farmer?
211	EHA19R1	Num	8	19r1. How many years?
212	EHA19S	Char	1	19s. a rigger?
213	EHA19S1	Num	8	19s1. How many years?
214	EHA19T	Char	1	19t. a roofer?
215	EHA19T1	Num	8	19t1. How many years?
216	EHA19U	Char	1	19u. a painter?
217	EHA19U1	Num	8	19u1. How many years?
218	EHA19V	Char	1	19v. a mason?
219	EHA19V1	Num	8	19v1. How many years?
220	EHA20A	Char	1	20a. Irritant gases, such as chlorine or ammonia?
221	EHA20A1	Num	8	20a1. How many years?
222	EHA20B	Char	1	20b. Fire, smoke or other combustion products?
223	EHA20B1	Num	8	20b1. How many years?
224	EHA20C	Char	1	20c. Incinerators, boilers, or oil refineries?
225	EHA20C1	Num	8	20c1. How many years?
226	EHA20D	Char	1	20d. Coal dust or powder?
227	EHA20D1	Num	8	20d1. How many years?
228	EHA20E	Char	1	20e. Silica or sand, or concrete or cement dust?
229	EHA20E1	Num	8	20e1. How many years?
230	EHA20F	Char	1	20f. Indoor fuel powered motors, compressors, or engines?

Num	Variable	Type	Len	Label
231	EHA20F1	Num	8	20f1. How many years?
232	EHA20G	Char	1	20g. Diesel engine exhaust?
233	EHA20G1	Num	8	20g1. How many years?
234	EHA20H	Char	1	20h. Wheat flour or other grain dusts?
235	EHA20H1	Num	8	20h1. How many years?
236	EHA20I	Char	1	20i. Animal feeds or fodder?
237	EHA20I1	Num	8	20i1. How many years?
238	EHA20J	Char	1	20j. Cotton dust or cotton processing?
239	EHA20J1	Num	8	20j1. How many years?
240	EHA20K	Char	1	20k. Wood dust or saw dust?
241	EHA20K1	Num	8	20k1. How many years?
242	EHA20L	Char	1	20l. Cadmium fumes or batteries or sliver solder?
243	EHA20L1	Num	8	20l1. How many years?
244	EHA20M	Char	1	20m. Other metal dusts or metal fumes?
245	EHA20M1	Num	8	20m1. How many years?
246	EHA20N	Char	1	20n. Welding or flame cutting?
247	EHA20N1	Num	8	20n1. How many years?
248	EHA20O	Char	1	20o. Fiberglass or other man-made mineral fibers?
249	EHA20O1	Num	8	20o1. How many years?
250	EHA20P	Char	1	20p. Explosives or blasting fumes?
251	EHA20P1	Num	8	20p1. How many years?
252	EHA21	Char	1	21. What type of mine was it?
253	EHA21A	Char	50	21a. Specify:
254	EHA22	Char	1	22. What was mined?
255	EHA22A	Char	50	22a. Specify:
256	EHA6M	Num	8	Month of 6. Approximately what date did you begin working in this job?
257	EHA6D	Num	8	Day of 6. Approximately what date did you begin working in this job?
258	EHA6Y	Num	8	Year of 6. Approximately what date did you begin working in this job?
259	VERSION	Char	21	Version
260	EHA0A_DAYS	Num	8	Form Date - Days from enrollment
261	EHA6_DAYS	Num	8	Approximately what date did you begin working in this job? - Days from enrollment

Data Set Name: v3_fct_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	FCT01	Char	1	FCT01 Lack of energy
5	FCT02	Char	1	FCT02 Nausea
6	FCT03	Char	1	FCT03 Physical limitations
7	FCT04	Char	1	FCT04 Pain
8	FCT05	Char	1	FCT05 Side effects of treatment
9	FCT06	Char	1	FCT06 Illness
10	FCT07	Char	1	FCT07 Forced time in bed
11	FCT08	Char	1	FCT08 Closeness to friends
12	FCT09	Char	1	FCT09 Emotional support from family
13	FCT10	Char	1	FCT10 Support from friends
14	FCT11	Char	1	FCT11 Family accepted illness
15	FCT12	Char	1	FCT12 Satisfied with communication
16	FCT13	Char	1	FCT13 Closeness to partner
17	FCT14	Num	8	FCT14 Answer or mark box
18	FCT15	Char	1	FCT15 Satisfaction with sex life
19	FCT16	Char	1	FCT16 Feeling sad
20	FCT17	Char	1	FCT17 Satisfaction with coping
21	FCT18	Char	1	FCT18 Loss of hope
22	FCT19	Char	1	FCT19 Feeling nervous
23	FCT20	Char	1	FCT20 Worries about death
24	FCT21	Char	1	FCT21 Worry about worsening condition
25	FCT22	Char	1	FCT22 Ability to work
26	FCT23	Char	1	FCT23 Fulfillment of work
27	FCT24	Char	1	FCT24 Ability to enjoy life
28	FCT25	Char	1	FCT25 Acceptance of illness
29	FCT26	Char	1	FCT26 Sleeping well
30	FCT27	Char	1	FCT27 Enjoyment of fun activities
31	FCT28	Char	1	FCT28 Content with quality of life
32	FCT29	Char	1	FCT29 Feeling fatigued
33	FCT30	Char	1	FCT30 Feeling weak
34	FCT31	Char	1	FCT31 Feeling listless
35	FCT32	Char	1	FCT32 Feeling tired
36	FCT33	Char	1	FCT33 Trouble starting things
37	FCT34	Char	1	FCT34 Trouble finishing things

Num	Variable	Type	Len	Label
38	FCT35	Char	1	FCT35 Energy
39	FCT36	Char	1	FCT36 Ability to do usual activities
40	FCT37	Char	1	FCT37 Need to sleep during day
41	FCT38	Char	1	FCT38 Too tired to eat
42	FCT39	Char	1	FCT39 Need helping with usual activities
43	FCT40	Char	1	FCT40 Frustrated with fatigue
44	FCT41	Char	1	FCT41 Fatigue limits social activities
45	VERSION	Char	21	Version
46	FACIT_PHYSICALWELLBEINGSCORE03	Num	8	Year 2 FACIT physical wellbeing score
47	FACIT_SOCIALWELLBEINGSCORE03	Num	8	Year 2 FACIT social wellbeing score
48	FACIT_EMOTIONALWELLBEINGSCORE03	Num	8	Year 2 FACIT emotional wellbeing score
49	FACIT_FUNCTIONALWELLBEINGSCORE03	Num	8	Year 2 FACIT functional wellbeing score
50	FACIT_FATIGUESCORE03	Num	8	Year 2 FACIT fatigue score
51	FACIT_FTRIALOUTCOMEINDEX03	Num	8	Year 2 FACIT F trial outcome index score
52	FACIT_GTOTALSCORE03	Num	8	Year 2 FACIT G total score
53	FACIT_FTOTALSCORE03	Num	8	Year 2 FACIT F total score
54	FCT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_hds_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	HDS01	Num	8	HDS01 Feeling tense
5	HDS02	Num	8	HDS02 Enjoyment
6	HDS03	Char	1	HDS03 Feeling fearful
7	HDS04	Char	1	HDS04 Sense of humor
8	HDS05	Num	8	HDS05 Worried thoughts
9	HDS06	Num	8	HDS06 Feeling cheerful
10	HDS07	Num	8	HDS07 Ability to relax
11	HDS08	Num	8	HDS08 Feeling slowed down
12	HDS09	Num	8	HDS09 Feeling frightened
13	HDS10	Num	8	HDS10 Lost interest in appearance
14	HDS11	Num	8	HDS11 Feeling restless
15	HDS12	Num	8	HDS12 Looking forward
16	HDS13	Num	8	HDS13 Sudden feelings of panic
17	HDS14	Num	8	HDS14 Ability to enjoy
18	VERSION	Char	21	Version
19	HDS_ANXIETYSCORE03	Num	8	Year 2 HDS Anxiety Score
20	HDS_DEPRESSIONSCORE03	Num	8	Year 2 HDS Depression Score
21	HDS0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_hef_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	HEF1	Char	1	1. Since your last (clinic visit or telephone contact) on (date), have you had a flare-up of your chest trouble?
5	HEF1A	Num	8	1a. How many episodes of chest trouble flare ups have you had since (date)?
6	HEF2A	Char	1	2a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
7	HEF2B	Char	1	2b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
8	HEF2C	Char	1	2c. Did you take additional antibiotics but without contacting a healthcare provider?
9	HEF2D	Char	1	2d. Did you take additional oral steroids but without contacting a healthcare provider?
10	HEF2E	Char	1	2e. Were you evaluated in a physician's office or urgent care?
11	HEF2E1	Num	8	2e1. An additional antibiotic
12	HEF2E2	Num	8	2e2. Additional steroids
13	HEF2E3	Num	8	2e3. Don't know
14	HEF2E4	Num	8	2e4. Don't remember
15	HEF2F	Char	1	2f. Were you evaluated in an Emergency Department?
16	HEF2F1	Num	8	2f1. An additional antibiotic
17	HEF2F2	Num	8	2f2. Additional steroids
18	HEF2F3	Num	8	2f3. Don't know
19	HEF2F4	Num	8	2f4. Don't remember
20	HEF2G	Char	1	2g. Were you admitted to the hospital?
21	HEF4	Char	1	4. (do not ask) Did the participant have a second episode?
22	HEF5A	Char	1	5a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
23	HEF5B	Char	1	5b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
24	HEF5C	Char	1	5c. Did you take additional antibiotics but without contacting a healthcare provider?
25	HEF5D	Char	1	5d. Did you take additional oral steroids but without contacting a healthcare provider?
26	HEF5E	Char	1	5e. Were you evaluated in a physician's office or urgent care?
27	HEF5E1	Num	8	5e1. An additional antibiotic
28	HEF5E2	Num	8	5e2. Additional steroids
29	HEF5E3	Num	8	5e3. Don't know
30	HEF5E4	Num	8	5e4. Don't remember
31	HEF5F	Char	1	5f. Were you evaluated in an Emergency Department?
32	HEF5F1	Num	8	5f1. An additional antibiotic
33	HEF5F2	Num	8	5f2. Additional steroids
34	HEF5F3	Num	8	5f3. Don't know

Num	Variable	Type	Len	Label
35	HEF5F4	Num	8	5f4. Don't remember
36	HEF5G	Char	1	5g. Were you admitted to the hospital?
37	HEF7	Char	1	7. (do not ask) Did the participant have a third episode?
38	HEF8A	Char	1	8a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
39	HEF8B	Char	1	8b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
40	HEF8C	Char	1	8c. Did you take additional antibiotics but without contacting a healthcare provider?
41	HEF8D	Char	1	8d. Did you take additional oral steroids but without contacting a healthcare provider?
42	HEF8E	Char	1	8e. Were you evaluated in a physician's office or urgent care?
43	HEF8E1	Num	8	8e1. An additional antibiotic
44	HEF8E2	Num	8	8e2. Additional steroids
45	HEF8E3	Num	8	8e3. Don't know
46	HEF8E4	Num	8	8e4. Don't remember
47	HEF8F	Char	1	8f. Were you evaluated in an Emergency Department?
48	HEF8F1	Num	8	8f1. An additional antibiotic
49	HEF8F2	Num	8	8f2. Additional steroids
50	HEF8F3	Num	8	8f3. Don't know
51	HEF8F4	Num	8	8f4. Don't remember
52	HEF8G	Char	1	8g. Were you admitted to the hospital?
53	HEF10	Char	1	10. (do not ask) Did the participant have a fourth episode?
54	HEF11A	Char	1	11a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
55	HEF11B	Char	1	11b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
56	HEF11C	Char	1	11c. Did you take additional antibiotics but without contacting a healthcare provider?
57	HEF11D	Char	1	11d. Did you take additional oral steroids but without contacting a healthcare provider?
58	HEF11E	Char	1	11e. Were you evaluated in a physician's office or urgent care?
59	HEF11E1	Num	8	11e1. An additional antibiotic
60	HEF11E2	Num	8	11e2. Additional steroids
61	HEF11E3	Num	8	11e3. Don't know
62	HEF11E4	Num	8	11e4. Don't remember
63	HEF11F	Char	1	11f. Were you evaluated in an Emergency Department?
64	HEF11F1	Num	8	11f1. An additional antibiotic
65	HEF11F2	Num	8	11f2. Additional steroids
66	HEF11F3	Num	8	11f3. Don't know
67	HEF11F4	Num	8	11f4. Don't remember
68	HEF11G	Char	1	11g. Were you admitted to the hospital?
69	HEF13	Char	1	13. (do not ask) Did the participant have a fifth episode?

Num	Variable	Type	Len	Label
70	HEF14A	Char	1	14a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
71	HEF14B	Char	1	14b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
72	HEF14C	Char	1	14c. Did you take additional antibiotics but without contacting a healthcare provider?
73	HEF14D	Char	1	14d. Did you take additional oral steroids but without contacting a healthcare provider?
74	HEF14E	Char	1	14e. Were you evaluated in a physician's office or urgent care?
75	HEF14E1	Num	8	14e1. An additional antibiotic
76	HEF14E2	Num	8	14e2. Additional steroids
77	HEF14E3	Num	8	14e3. Don't know
78	HEF14E4	Num	8	14e4. Don't remember
79	HEF14F	Char	1	14f. Were you evaluated in an Emergency Department?
80	HEF14F1	Num	8	14f1. An additional antibiotic
81	HEF14F2	Num	8	14f2. Additional steroids
82	HEF14F3	Num	8	14f3. Don't know
83	HEF14F4	Num	8	14f4. Don't remember
84	HEF14G	Char	1	14g. Were you admitted to the hospital?
85	HEF16	Char	1	16. (do not ask) Did the participant have a fifth episode?
86	HEF17A	Char	1	17a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
87	HEF17B	Char	1	17b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
88	HEF17C	Char	1	17c. Did you take additional antibiotics but without contacting a healthcare provider?
89	HEF17D	Char	1	17d. Did you take additional oral steroids but without contacting a healthcare provider?
90	HEF17E	Char	1	17e. Were you evaluated in a physician's office or urgent care?
91	HEF17E1	Num	8	17e1. An additional antibiotic
92	HEF17E2	Num	8	17e2. Additional steroids
93	HEF17E3	Num	8	17e3. Don't know
94	HEF17E4	Num	8	17e4. Don't remember
95	HEF17F	Char	1	17f. Were you evaluated in an Emergency Department?
96	HEF17F1	Num	8	17f1. An additional antibiotic
97	HEF17F2	Num	8	17f2. Additional steroids
98	HEF17F3	Num	8	17f3. Don't know
99	HEF17F4	Num	8	17f4. Don't remember
100	HEF17G	Char	1	17g. Were you admitted to the hospital?
101	HEF19	Char	1	19. Since your last (center visit or telephone contact) on (date), have you at any time been admitted to a hospital (For COPD Participants: for any reason other than a chest flare up)?
102	HEF20	Num	8	20. How many hospitalizations have you had since (date)?
103	HEF21E	Char	1	21e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?

Num	Variable	Type	Len	Label
104	HEF22E	Char	1	22e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
105	HEF23E	Char	1	23e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
106	HEF24E	Char	1	24e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
107	HEF25E	Char	1	25e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
108	VERSION	Char	21	Version
109	HEF0A_DAYS	Num	8	Form Date - Days from enrollment
110	HEF12A_DAYS	Num	8	12a. What was the date of this event? - Days from enrollment
111	HEF15A_DAYS	Num	8	15a. What was the date of this event? - Days from enrollment
112	HEF18A_DAYS	Num	8	18a. What was the date of this event? - Days from enrollment
113	HEF21A_DAYS	Num	8	21a. What was the date of this event? - Days from enrollment
114	HEF22A_DAYS	Num	8	22a. What was the date of this event? - Days from enrollment
115	HEF23A_DAYS	Num	8	23a. What was the date of this event? - Days from enrollment
116	HEF24A_DAYS	Num	8	24a. What was the date of this event? - Days from enrollment
117	HEF25A_DAYS	Num	8	25a. What was the date of this event? - Days from enrollment
118	HEF26A_DAYS	Num	8	26a. What was the date of this event? - Days from enrollment
119	HEF3A_DAYS	Num	8	3a. What was the date of this event? - Days from enrollment
120	HEF6A_DAYS	Num	8	6a. What was the date of this event? - Days from enrollment
121	HEF9A_DAYS	Num	8	9a. What was the date of this event? - Days from enrollment

Data Set Name: v3_isp_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ISP01A	Num	8	1) 10% fall from
5	ISP01B	Num	8	is
6	ISP02A	Num	8	2) 20% fall from
7	ISP02B	Num	8	is
8	ISP03	Num	8	3) Was the participant given albuterol prior to suptum induction?
9	ISP03A	Num	8	3a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
10	ISP03B	Num	8	3b) How many puffs of albuterol was the participant given?
11	ISP04A	Num	8	a) FEV1
12	ISP05A	Num	8	a) FEV1
13	ISP06A	Num	8	a) FEV1
14	ISP08	Char	1	8) Spirometry ok to continue?
15	ISP09A	Num	8	a) FEV1
16	ISP10A	Num	8	a) FEV1
17	ISP11A	Num	8	a) FEV1
18	ISP12A	Num	8	a) FEV1
19	ISP13A	Num	8	a) FEV1
20	ISP14A	Num	8	a) FEV1
21	ISP15A	Num	8	a) FEV1
22	ISP16	Char	1	16) First 7 minutes complete, continue induction? (If 'No', go to item 27)
23	ISP17	Char	1	17) If yes, % NaCl used:
24	ISP18A	Num	8	a) FEV1
25	ISP19A	Num	8	a) FEV1
26	ISP20A	Num	8	a) FEV1
27	ISP21A	Num	8	a) FEV1
28	ISP22	Char	1	22) Second 7 minutes complete, continue induction? (If 'No', go to item 27)
29	ISP23A	Num	8	a) FEV1
30	ISP24A	Num	8	a) FEV1
31	ISP25A	Num	8	a) FEV1
32	ISP26A	Num	8	a) FEV1
33	ISP27	Char	1	27) Was the participant able to produce sputum?
34	ISP28	Char	1	28) Was the induction terminated early? (If 'No', 30)
35	ISP29	Char	1	29) Reason terminated early
36	ISP30	Char	1	30) Did the participant require additional albuterol?
37	ISP31A	Num	8	a) FEV1

Num	Variable	Type	Len	Label
38	ISP32A	Num	8	a) FEV1
39	ISP33A	Num	8	a) FEV1
40	ISP0D	Char	5	Time Collected
41	ISP0D_AMPM	Char	1	AM/PM
42	VERSION	Char	21	Version
43	ISP0A_DAYS	Num	8	Form Date - Days from enrollment
44	ISP0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v3_isw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ISW01A	Num	8	1) 10% fall from
5	ISW01B	Num	8	is
6	ISW02A	Num	8	2) 20% fall from
7	ISW02B	Num	8	is
8	ISW03	Num	8	3) Was the participant given albuterol prior to suptum induction?
9	ISW03A	Num	8	3a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
10	ISW03B	Num	8	3b) How many puffs of albuterol was the participant given?
11	ISW04A	Num	8	a) FEV1:
12	ISW05A	Num	8	a) FEV1:
13	ISW06A	Num	8	a) FEV1:
14	ISW08	Char	1	8) Spirometry ok to continue?
15	ISW09A	Num	8	a) FEV1
16	ISW10A	Num	8	a) FEV1
17	ISW11A	Num	8	a) FEV1
18	ISW12A	Num	8	a) FEV1
19	ISW13A	Num	8	a) FEV1
20	ISW14	Char	1	14) First 7 minutes complete, continue induction? (If 'No', go to item 20)
21	ISW15	Char	1	15) If yes, % NaCl used:
22	ISW16A	Num	8	a) FEV1
23	ISW17A	Num	8	a) FEV1
24	ISW18	Char	1	18) Second 7 minutes complete, continue induction? (If 'No', go to item 20)
25	ISW19	Char	1	19) If yes, % NaCl used:
26	ISW20A	Num	8	a) FEV1
27	ISW21A	Num	8	a) FEV1
28	ISW22	Char	1	22) Was the participant able to produce sputum?
29	ISW23	Char	1	23) Was the induction terminated early?
30	ISW24	Char	1	24) Reason terminated early
31	ISW25	Char	1	25) Did the participant require additional albuterol?
32	ISW26A	Num	8	a) FEV1
33	ISW27A	Num	8	a) FEV1
34	ISW28A	Num	8	a) FVC
35	ISW29	Char	2000	29) Note reason and time point obtained
36	ISW0D	Char	5	Time Collected
37	ISW0D_AMPM	Char	1	AM/PM

Num	Variable	Type	Len	Label
38	VERSION	Char	21	Version
39	ISW0A_DAYS	Num	8	Form Date - Days from enrollment
40	ISW0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v3_mcq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MCQ01	Char	1	MCQ01 Frequency of cough today
5	MCQ02	Char	1	MCQ02 Frequency of cough last night
6	MCQ03	Char	1	MCQ03 Severity of cough episodes
7	MCQ04	Char	1	MCQ04 Ease of coughing up sputum today
8	MCQ05	Char	1	MCQ05 Chest tightness/discomfort today
9	VERSION	Char	21	Version
10	MCQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_mhf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MHF0C	Num	8	0c. (do not read) Check here if participant is Female
5	MHF1	Char	1	1. Did you get an influenza vaccination (flu shot) in the last 12 months?
6	MHF2	Char	1	2. When was your most recent pneumonia vaccination? (Pneumovax)
7	MHF3	Char	1	3. Have you been diagnosed with alpha-1 anti-trypsin deficiency?
8	MHF4A	Char	1	4a. Vision problems
9	MHF4B	Char	1	4b. Hearing problems
10	MHF4C	Char	1	4c. Dizziness
11	MHF4D	Char	1	4d. Ears ringing
12	MHF4E	Char	1	4e. Sinusitis/Rhinitis
13	MHF4F	Char	1	4f. Other
14	MHF5A	Char	1	5a. High blood pressure
15	MHF5B	Char	1	5b. Coronary artery disease
16	MHF5C	Char	1	5c. Angina (chest pain)
17	MHF5D	Char	1	5d. Heart attack
18	MHF5E	Char	1	5e. Murmur
19	MHF5F	Char	1	5f. Palpitations, irregular heartbeat
20	MHF5G	Char	1	5g. Valve disease
21	MHF5H	Char	1	5h. Congestive heart failure
22	MHF5I	Char	1	5i. Blood clots
23	MHF5J	Char	1	5j. Poor circulation (claudication)
24	MHF5K	Char	1	5k. Other
25	MHF6A	Char	1	6a. Esophageal condition or disease
26	MHF6B	Char	1	6b. Ulcers
27	MHF6C	Char	1	6c. Hepatitis or jaundice
28	MHF6D	Char	1	6d. Crohn's disease or colitis
29	MHF6E	Char	1	6e. Gallstones
30	MHF6F	Char	1	6f. Cirrhosis
31	MHF6F1	Char	75	6f1. Explain:
32	MHF6G	Char	1	6g. GERD (heart burn)
33	MHF6H	Char	1	6h. Hiatal hernia
34	MHF6I	Char	1	6i. Other
35	MHF7A	Char	1	7a. Intubation or respirator
36	MHF7B	Char	1	7b. Pneumothorax (collapsed lung)
37	MHF7C	Char	1	7c. Tuberculosis

Num	Variable	Type	Len	Label
38	MHF7D	Char	1	7d. Pulmonary fibrosis
39	MHF7D1	Char	75	7d1. Explain:
40	MHF7E	Char	1	7e. Lung nodules
41	MHF7F	Char	1	7f. Pulmonary embolism
42	MHF7G	Char	1	7g. Other
43	MHF8A	Char	1	8a. Cancer(except basal cell skin cancer)
44	MHF8B	Char	1	8b. Anemia
45	MHF8C	Char	1	8c. Other
46	MHF9A	Char	1	9a. Menstrual symptoms (women)
47	MHF9B	Char	1	9b. Enlarged prostate or BPH (men)
48	MHF9C	Char	1	9c. Bladder or kidney problems/kidney stones
49	MHF9D	Char	1	9d. Other
50	MHF10A	Char	1	10a. Diabetes
51	MHF10B	Char	1	10b. Thyroid
52	MHF10C	Char	1	10c. Other
53	MHF11A	Char	1	11a. Stroke
54	MHF11B	Char	1	11b. Headaches
55	MHF11C	Char	1	11c. Seizure
56	MHF11D	Char	1	11d. Other
57	MHF12A	Char	1	12a. Rheumatoid arthritis
58	MHF12B	Char	1	12b. Gout
59	MHF12C	Char	1	12c. Osteoporosis
60	MHF12D	Char	1	12d. Fractures
61	MHF12E	Char	1	12e. Joint pain
62	MHF12F	Char	1	12f. Osteoarthritis
63	MHF12G	Char	1	12g. Other
64	MHF13A	Char	1	13a. Rashes/hives/ eczema
65	MHF13B	Char	1	13b. Psoriasis
66	MHF13C	Char	1	13c. Shingles
67	MHF13D	Char	1	13d. Other
68	MHF14A	Char	1	14a. Atypical mycobacteria (MAC,MAI)
69	MHF14B	Char	1	14b. Fungal disease
70	MHF14C	Char	1	14c. Other
71	MHF15A	Char	1	15a. Anxiety
72	MHF15B	Char	1	15b. Depression
73	MHF15C	Char	1	15c. Other
74	MHF16	Char	1	16. Other significant problems not reported in questions 2-18
75	MHF16C	Char	50	List Problem C
76	MHF17	Char	1	17. A fever, cold, flu, or sore throat?

Num	Variable	Type	Len	Label
77	MHF18	Char	1	18. A urinary tract infection?
78	MHF19	Char	1	19. Seasonal allergies?
79	MHF20	Char	1	20. A sinus infection or sinusitis?
80	MHF21	Char	1	21. A tooth infection?
81	MHF22	Char	1	22. A flare up of gout?
82	MHF23	Char	1	23. A flare up of arthritis?
83	MHF24	Char	1	24. Other?
84	MHF25	Char	50	25. Please explain:
85	MHF26	Char	1	26. Are you allergic to any medications, latex, food, or substances?
86	MHF26A	Char	50	26a. List Substance:
87	MHF26A1	Char	50	26a1. Reaction:
88	MHF26B	Char	50	26b. List Substance:
89	MHF26B1	Char	50	26b1. Reaction:
90	MHF26C	Char	50	26c. List Substance:
91	MHF26C1	Char	50	26c1. Reaction:
92	MHF26D	Char	50	26d. List Substance:
93	MHF26D1	Char	50	26d1. Reaction:
94	MHF26E	Char	50	26e. List Substance:
95	MHF26E1	Char	50	26e1. Reaction:
96	MHF27	Char	1	27. In the past 12 months, how often have you consumed any beverage containing alcohol (beer, wine, wine coolers, liquor, or mixed drinks such as margaritas, martinis, or daiquiris)?
97	MHF28	Char	1	28. When you drink beverage containing alcohol, how many do you usually drink at one sitting?
98	MHF29A	Num	8	29a. Beer
99	MHF29B	Num	8	29b. Wine
100	MHF29C	Num	8	29c. Drinks containing liquor
101	MHF30	Char	1	30. How often do you have eight or more drinks on one occasion?
102	MHF31	Char	1	31. How often during the last year have you been unable to remember what happened the night before because you had been drinking?
103	MHF32	Char	1	32. How often during the last year have you failed to do what was normally expected of you because of your drinking?
104	MHF33	Char	1	33. Has a relative or friend, a doctor or other health worker been concerned about your drinking or suggested you cut down?
105	MHF34	Char	1	34. Have you reached menopause?
106	MHF35	Num	8	35. If you have reached menopause, at what age did that occur?
107	MHF36	Char	1	36. Did you ever use oral contraceptive medications?
108	MHF37	Num	8	37. If you did use oral contraceptives, for how many years?
109	MHF38	Char	1	38. Did you ever use hormone replacement therapy?
110	MHF39	Num	8	39. If you did use hormone replacement therapy, for how many years?
111	MHF40	Char	1	40. In the past 12 months have you been pregnant?
112	MHF41	Char	1	41. In the past 12 months did you ever breastfeed

Num	Variable	Type	Len	Label
113	MHF42	Num	8	42. If you did breastfeed, for approximately how many total months did you breastfeed (total for all pregnancies)?
114	MHF43	Char	1	43. In the last 12 months have you had an ovary removed?
115	MHF44	Char	1	44. If you had an ovary removed, was one removed or both?
116	MHF45	Num	8	45. At what age was your ovary or ovaries removed?
117	MHF46	Char	1	46. Were you born premature?
118	MHF46A	Num	8	46a. If yes, how many weeks were you premature?
119	MHF47A	Num	8	47a. What was your birth weight?
120	MHF47B	Num	8	Birth Weight in Pounds/Ounces
121	MHF48	Char	1	48. Did you ever have breathing problems during the first two years of life?
122	MHF48A	Char	1	48a. If yes, were you ever hospitalized for these problems?
123	MHF49	Char	1	49. Were you ever hospitalized for pneumonia before 18 years of age?
124	MHF7H	Char	1	7h. Wedge Resection
125	VERSION	Char	21	Version
126	MHF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_mrc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MRC01	Num	8	MRC01 Describe shortness of breath
5	VERSION	Char	21	Version
6	MRC0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_pft_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFT01	Num	8	PFT01 Large meal eaten within the last 2 hours
5	PFT02	Num	8	PFT02 Smoked within the last hour
6	PFT03	Num	8	PFT03 Vigorous exercise in the past 30 minutes
7	PFT04	Num	8	PFT04 Consumed alcohol within past 4 hours
8	PFT05	Num	8	PFT05 Medication for lungs in past 48 hours
9	PFT06	Num	8	PFT06 Use of Spiriva within past 48 hours
10	PFT06B	Char	5	PFT06B Time last used Spiriva
11	PFT06B_AMPM	Char	1	PFT06B_AMPM Last used Spiriva AM/PM
12	PFT07	Num	8	PFT07 Use of theophylline within past 48 hrs
13	PFT07A	Num	8	PFT07A Most recent type of theophyline used
14	PFT07C	Char	5	PFT07C Time last used theophyline
15	PFT07C_AMPM	Char	1	PFT07C_AMPM last used theophyline AM/PM
16	PFT08	Num	8	PFT08 Use of one-a-day bronchodilator
17	PFT08B	Char	5	PFT08B Time last used one-a-day bronchodilator
18	PFT08B_AMPM	Char	1	PFT08B_AMPM last used one-a-day bronchodilator AM/PM
19	PFT09	Num	8	PFT09 Use of long-acting beta agonist
20	PFT09A	Num	8	PFT09A Most recent long-acting beta agonist used
21	PFT09A1	Char	50	PFT09A1 Specify long-acting beta agonist
22	PFT09B	Char	5	PFT09B Time last used long-acting beta agonist
23	PFT09B_AMPM	Char	1	PFT09B_AMPM last used long-acting beta agonist AM/PM
24	PFT10	Num	8	PFT10 Use of ipratropium within the past 8 hours
25	PFT10A	Num	8	PFT10A Most recent ipratropium used
26	PFT10B	Char	5	PFT10B Time last used ipratropium
27	PFT10C_AMPM	Char	1	PFT10C_AMPM last used ipratropium AM/PM
28	PFT11	Num	8	PFT11 Use of short-acting beta agonist
29	PFT11A	Num	8	PFT11A Most recent short-acting beta agonist used
30	PFT11A7A	Char	50	PFT11A7A Specify short-acting beta agonist
31	PFT11B	Char	5	PFT11B Time last short-acting beta agonist used
32	PFT11B_AMPM	Char	1	PFT11B_AMPM last short-acting beta agonist used AM/PM
33	PFT12	Char	1	PFT12 Consumption of caffeine in past 6 hours
34	VERSION	Char	21	Version
35	PFT0A_DAYS	Num	8	Form Date - Days from enrollment
36	PFT06A_DAYS	Num	8	Date last used Spiriva - Days from enrollment
37	PFT07B_DAYS	Num	8	Date last used theophyline - Days from enrollment

Num	Variable	Type	Len	Label
38	PFT08A_DAYS	Num	8	Date last used one-a-day bronchodilator - Days from enrollment

Data Set Name: v3_pfv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFV01	Char	9	PFV01 study_id
5	PFV10	Char	15	PFV10 Position
6	PFV12	Num	8	PFV12 visit_num
7	PFV13	Num	8	PFV13 interval_num
8	PFV14	Num	8	PFV14 stage_num
9	PFV15	Num	8	PFV15 seq_num
10	PFV16	Char	15	PFV16 vlabel
11	PFV17	Num	8	PFV17 repeats
12	PFV19	Char	15	PFV19 qa_grade
13	PFV20	Char	15	PFV20 qa_status
14	PFV22B	Char	8	PFV22B time
15	PFV23B	Char	8	PFV23B time_best
16	PFV24B	Char	8	PFV24B time_first
17	PFV25	Num	8	PFV25 trial_seq_num
18	PFV26	Num	8	PFV26 ranking
19	PFV27	Num	8	PFV27 temperature
20	PFV28	Num	8	PFV28 barometric
21	PFV29	Num	8	PFV29 humidity
22	PFV30	Num	8	PFV30 fevpd
23	PFV31	Num	8	PFV31 fvcpd
24	PFV32	Num	8	PFV32 fefpd
25	PFV33	Num	8	PFV33 fev1_fvcpd
26	PFV34	Num	8	PFV34 pefpd
27	PFV35	Num	8	PFV35 pctfev
28	PFV36	Num	8	PFV36 pctfvc
29	PFV37	Num	8	PFV37 pctfef2575
30	PFV38	Num	8	PFV38 pctpefr
31	PFV39	Num	8	PFV39 pctfev_fvc
32	PFV40	Num	8	PFV40 fvc
33	PFV41	Num	8	PFV41 flag_fvc_best
34	PFV42B	Char	8	PFV42B trials_time
35	PFV43	Num	8	PFV43 fev05
36	PFV44	Num	8	PFV44 fev05fvc
37	PFV45	Num	8	PFV45 fev1

Num	Variable	Type	Len	Label
38	PFV46	Num	8	PFV46 flag_fev_best
39	PFV47	Num	8	PFV47 fev1fvc
40	PFV48	Num	8	PFV48 flag_fevfvc_best
41	PFV49	Num	8	PFV49 fev3
42	PFV50	Num	8	PFV50 fev3fvc
43	PFV51	Num	8	PFV51 fev6
44	PFV52	Num	8	PFV52 fef212
45	PFV53	Num	8	PFV53 fef2575
46	PFV54	Num	8	PFV54 flag_fef2575_best
47	PFV55	Num	8	PFV55 fef25756
48	PFV56	Num	8	PFV56 fef25
49	PFV57	Num	8	PFV57 fef50
50	PFV58	Num	8	PFV58 fef506
51	PFV59	Num	8	PFV59 fef75
52	PFV60	Num	8	PFV60 fef756
53	PFV61	Num	8	PFV61 fef7585
54	PFV62	Num	8	PFV62 pefr
55	PFV63	Num	8	PFV63 flag_pefr_best
56	PFV64	Num	8	PFV64 met
57	PFV65	Num	8	PFV65 peft
58	PFV66	Num	8	PFV66 vext
59	PFV67	Num	8	PFV67 pctvext
60	PFV68	Num	8	PFV68 expt
61	PFV69	Num	8	PFV69 RVSPCA
62	PFV70	Char	4	PFV70 fevdiff
63	PFV71	Num	8	PFV71 fivc
64	PFV72	Num	8	PFV72 fiv05
65	PFV73	Num	8	PFV73 fiv05fivc
66	PFV74	Num	8	PFV74 fiv1
67	PFV75	Num	8	PFV75 fiv1fivc
68	PFV76	Num	8	PFV76 fiv3
69	PFV77	Num	8	PFV77 pifr
70	PFV78	Num	8	PFV78 fif212
71	PFV79	Num	8	PFV79 fif2575
72	PFV80	Num	8	PFV80 mit
73	VERSION	Char	21	Version
74	PFV22A_DAYS	Num	8	Date - Days from enrollment
75	PFV23A_DAYS	Num	8	Date best - Days from enrollment
76	PFV24A_DAYS	Num	8	Date first - Days from enrollment

Num	Variable	Type	Len	Label
77	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v3_psq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	PSAQ7	Char	2000	PSAQ7 Frequency of taking medication to sleep during the last month
4	PSAQ8	Char	2000	PSAQ8 Frequency of having trouble staying awake during the last month
5	PSAQ9	Char	2000	PSAQ9 Difficulty keeping up enthusiasm during the last month
6	VISIT	Char	10	Visit
7	PSQ01	Char	5	PSQ01 Usual bedtime in the past month
8	PSQ01_AMPM	Char	1	PSQ01_AMPM bedtime AM/PM
9	PSQ02	Num	8	PSQ02 Time taken to fall asleep in the past month
10	PSQ03	Char	5	PQQ03 Waking hour in the past month
11	PSQ03_AMPM	Char	1	PSQ03_AMPM waking hour AM/PM
12	PSQ04	Num	8	PSQ04 Hours of sleep per night in the past month
13	PSQ05A	Char	1	PSQ05A Trouble sleeping: Cannot get to sleep within 30 minutes
14	PSQ05B	Char	1	PSQ05B Trouble sleeping: Wake up in the middle of the night or early morning
15	PSQ05C	Char	1	PSQ05C Trouble sleeping: Have to get up to use the bathroom
16	PSQ05D	Char	1	PSQ05D Trouble sleeping: Cannot breathe comfortably
17	PSQ05E	Char	1	PSQ05E Trouble sleeping: Cough or snore loudly
18	PSQ05F	Char	1	PSQ05F Trouble sleeping: Feel too cold
19	PSQ05G	Char	1	PSQ05G Trouble sleeping: Feel too hot
20	PSQ05H	Char	1	PSQ05H Trouble sleeping: Have bad dreams
21	PSQ05I	Char	1	PSQ05I Trouble sleeping: Have pain
22	PSQ05J	Char	1	PSQ05J Trouble sleeping: Other reasons
23	PSQ06	Char	1	PSQ06 Sleep quality during the last month
24	PSQ10	Char	1	PSQ10 Bed partner/roommate
25	PSQ10A	Char	1	PSQ10A Bed partner/roommate reports: Loud snoring
26	PSQ10B	Char	1	PSQ10B Bed partner/roommate reports: Long pauses between breaths while asleep
27	PSQ10C	Char	1	PSQ10C Bed partner/roommate reports: Legs twitching or jerking while you sleep
28	PSQ10D	Char	1	PSQ10D Bed partner/roommate reports: Episodes of disorientation or confusion during sleep
29	PSQ10E	Char	1	PSQ10E Bed partner/roommate reports: Other restlessness while you sleep
30	PSQ10E1	Char	2000	PSQ10E1 Describe other restlessness during sleep
31	VERSION	Char	21	Version
32	PSQ_TOTALSCORE03	Num	8	Year 2 Pittsburgh sleep total score
33	PSQ_DURATIONSLEEP03	Num	8	Year 2 PSQ Duration of sleep)
34	PSQ_SLEEPDISTURBANCE03	Num	8	Year 2 PSQ sleep disturbance

Num	Variable	Type	Len	Label
35	PSQ_SLEEPLATENCY03	Num	8	Year 2 PSQ sleep latency
36	PSQ_DAYSLEEPYDYSFUNC03	Num	8	Year 2 PSQ day dysfunction due to sleepness
37	PSQ_SLEEPEFFICIENCY03	Num	8	Year 2 PSQ sleep efficiency
38	PSQ_OVERALLSLEEPQUALITY03	Num	8	Year 2 PSQ overall sleep quality
39	PSQ_NEEDMEDSTOSLEEP03	Num	8	Year 2 PSQ need meds to sleep
40	PSQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_psv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PSV01	Char	9	PSV01 study_id
5	PSV10	Char	15	PSV10 position
6	PSV12	Num	8	PSV12 visit_num
7	PSV13	Char	15	PSV13 interval_num
8	PSV14	Num	8	PSV14 stage_num
9	PSV15	Num	8	PSV15 seq_num
10	PSV16	Char	5	PSV16 vlabel
11	PSV17	Num	8	PSV17 repeats
12	PSV19	Char	15	PSV19 qa_grade
13	PSV20	Char	15	PSV20 qa_status
14	PSV22B	Char	8	PSV22B time
15	PSV23B	Char	8	PSV23B time_best
16	PSV24B	Char	8	PSV24B time_first
17	PSV25B	Char	8	PSV25B trials_time
18	PSV26	Num	8	PSV26 trial_seq_num
19	PSV27	Num	8	PSV27 ranking
20	PSV28	Num	8	PSV28 temperature
21	PSV29	Num	8	PSV29 barometric
22	PSV30	Num	8	PSV30 humidity
23	PSV32	Char	5	PSV32 tom
24	PSV33	Num	8	PSV33 svc
25	PSV34	Num	8	PSV34 svcpd
26	PSV35	Num	8	PSV35 pctsvc
27	PSV36	Num	8	PSV36 flag_svc_best
28	PSV37	Num	8	PSV37 ic
29	PSV38	Num	8	PSV38 irv
30	PSV39	Num	8	PSV39 erv
31	PSV40	Num	8	PSV40 tv
32	VERSION	Char	21	Version
33	PSV22A_DAYS	Num	8	Date - Days from enrollment
34	PSV23A_DAYS	Num	8	Date best - Days from enrollment
35	PSV24A_DAYS	Num	8	Date first - Days from enrollment
36	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v3_rdf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	RDF1	Char	1	1. Do you usually have a cough? (Exclude clearing of throat.)
5	RDF1A	Char	1	1a. Do you usually cough as much as 4 times a day, 4 or more days out of the week?
6	RDF2	Char	1	2. Do you usually cough at all on getting up or first thing in the morning?
7	RDF3	Char	1	3. Do you usually cough at all during the rest of the day or night?
8	RDF3A	Char	1	3a. Do you cough like this on most days, for 3 consecutive months or more during the year?
9	RDF3B	Num	8	3b. For how many years have you had this cough?
10	RDF4	Char	1	4. Do you usually bring up phlegm from your chest?
11	RDF4A	Char	1	4a. Do you usually bring up phlegm like this as much as twice a day, 4 or more days out of the week?
12	RDF5	Char	1	5. Do you usually bring up phlegm from your chest on getting up, or first thing in the morning?
13	RDF6	Char	1	6. Do you usually bring up phlegm from your chest during the rest of the day or at night?
14	RDF6A	Char	1	6a. Do you bring up phlegm like this on most days for 3 consecutive months or more during the year?
15	RDF6B	Num	8	6b. For how many years have you had trouble with phlegm?
16	RDF7	Char	1	7. In the past 12 months, have you had periods or episodes of cough with phlegm that lasted 1 week or more? (If you usually have cough and phlegm, please count only periods or episodes of increased cough and phlegm.)
17	RDF7A	Num	8	7a. If yes, about how many such episodes have you had in the past 12 months?
18	RDF7B	Num	8	7b. If yes, for how many years have you had at least one such episode per year?
19	RDF8	Char	1	8. Have you ever had wheezing or whistling in your chest?
20	RDF8A	Num	8	8a. About how old were you when you first had wheezing or whistling in your chest?
21	RDF9	Char	1	9. Have you ever had an attack of wheezing or whistling in your chest that made you feel short of breath?
22	RDF9A	Num	8	9a. About how old were you when you had your first such attack?
23	RDF9B	Char	1	9b. Have you ever had 2 or more such attacks?
24	RDF9C	Char	1	9c. Have you ever required medicine or treatment for such attacks?
25	RDF10	Char	1	10. In the past 12 months, have you had wheezing or whistling in your chest at any time?
26	RDF10A1	Char	1	10a1. When you have a cold?
27	RDF10A2	Char	1	10a2. Occasionally apart from colds?
28	RDF10A3	Char	1	10a3. More than once a week?
29	RDF10A4	Char	1	10a4. Most days or nights?
30	RDF11	Char	1	11. In the last 12 months, have you been awakened from sleep by coughing, apart from a cough associated with a cold or chest infection?
31	RDF12	Char	1	12. In the last 12 months, have you been awakened from sleep by shortness of breath or a feeling of tightness in your chest?
32	RDF13	Char	1	13. In the past 12 months, have you had wheezing or whistling in your chest at any time?

Num	Variable	Type	Len	Label
33	RDF14	Char	1	14. In the last 12 months, have you been bothered by watery, itchy, or burning eyes when you did not have a cold or the flu?
34	RDF15	Char	1	15. Are you unable to walk due to a condition other than shortness of breath?
35	RDF16	Char	1	16. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with asthma?
36	RDF16A	Char	1	16a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for asthma?
37	RDF17	Char	1	17. In the past 12 months, have you had hay fever (allergy involving the nose and/or eyes)?
38	RDF17A	Char	1	17a. Was it diagnosed by a doctor or other health professional?
39	RDF17B	Char	1	17b. In the past 12 months, have you received medical treatment, taken medications or used a nasal spray for hay fever?
40	RDF18	Char	1	18. In the past 12 months, have you had an attack of bronchitis?
41	RDF18A	Char	1	18a. Was it diagnosed by a doctor or other health professional?
42	RDF18B	Num	8	18b. How many times have you had bronchitis in the past 12 months?
43	RDF19	Char	1	19. In the past 12 months, have you ever had pneumonia or bronchopneumonia?
44	RDF19A	Char	1	19a. Was it diagnosed by a doctor or other health professional?
45	RDF19B	Num	8	19b. How many times have you had pneumonia or bronchopneumonia in the past 12 months?
46	RDF20	Char	1	20. In the past 12 months, were you newly diagnosed by a doctor or other health professional with chronic bronchitis?
47	RDF20A	Char	1	20a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for chronic bronchitis?
48	RDF21	Char	1	21. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with emphysema?
49	RDF21A	Char	1	21a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for emphysema?
50	RDF22	Char	1	22. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with COPD (chronic obstructive pulmonary disease)?
51	RDF22A	Char	1	22a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for COPD?
52	RDF23	Char	1	23. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with sleep apnea?
53	RDF23A	Char	1	23a. In the past 12 months, have you received any treatment for sleep apnea?
54	RDF23B	Char	1	23b. Do you use a CPAP or BIPAP?
55	RDF23C	Char	1	23c. Did you have surgery for your sleep apnea?
56	RDF23D	Char	1	23d. Did you have some other treatment for your sleep apnea?
57	RDF24A	Char	1	24a. Any other chest illness?
58	RDF24B	Char	1	24b. Any chest operations?
59	RDF24C	Char	1	24c. Any chest injuries?
60	RDF25	Char	1	25. In the past 12 months have you smoked cigarettes
61	RDF26	Char	1	26. Do you smoke cigarettes as of one month ago?
62	RDF27	Num	8	27. Cigarettes smoked in the past 24 hours: (Check here if does not apply)
63	RDF27A	Num	8	27a. 24 hours
64	RDF27B	Num	8	27b. 2 hours

Num	Variable	Type	Len	Label
65	RDF27C	Num	8	27c. 1/2 hour
66	RDF28	Num	8	28. How many cigarettes do you smoke per day now?
67	RDF29	Num	8	29. On average over the last 12 months, how many cigarettes did you smoke per day?
68	RDF30	Char	1	30. Have you ever smoked menthol cigarettes?
69	RDF30A	Num	8	30a. For how long have you or did you smoke menthol cigarettes?
70	RDF31A	Char	40	First brand of cigarettes smoked
71	RDF31B	Char	40	Second brand of cigarettes smoked
72	RDF31C	Char	40	Third brand of cigarettes smoked
73	RDF31D	Char	40	Fourth brand of cigarettes smoked
74	RDF31E	Char	40	Fifth brand of cigarettes smoked
75	RDF32	Char	1	32. In the past twelve months have you smoked a pipe regularly?
76	RDF33	Char	1	33. Do you smoke a pipe (as of one month ago)?
77	RDF34	Num	8	34. How much pipe tobacco do you smoke per day now?
78	RDF35	Num	8	35. On average over the last 12 months, how many ounces of tobacco did you smoke per week?
79	RDF36	Char	1	36. In the past twelve months have you smoked cigars regularly? (YES means more than 1 cigar a week for one year at any time in your life)
80	RDF37	Char	1	37. Do you now smoke cigars (as of one month ago)?
81	RDF38	Num	8	38. How many cigars so you smoke per day now?
82	RDF39	Num	8	39. On average over the last 12 months, how many cigars did you smoke per week?
83	RDF40	Char	1	40. Which of the following best describes your approach to tobacco smoking in your home when you are in the house?
84	RDF41	Char	1	41. In the last 12 months, have you lived in the same household with someone who smoked tobacco products?
85	RDF42	Char	1	42. Do you currently live in the same household with someone who smokes tobacco products?
86	RDF43	Num	8	43. How many people in your household currently smoke?
87	RDF44	Num	8	44. In the last 12 months for how many months in total have you lived in the same household with someone else who smoked tobacco products?
88	RDF44A	Char	1	44a. If no answer:
89	RDF45	Char	1	45. Has anyone smoked tobacco in your home during the past seven days?
90	RDF46	Num	8	46. During the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke at home?
91	RDF47	Char	1	47. During the past 7 days, did you enter a room in your home that was visibly smoky?
92	RDF48	Char	1	48. In the past 7 days, did you smell tobacco smoke in your home?
93	RDF49	Char	1	49. During the past 7 days, did you experience red eyes or eye irritation?
94	RDF50	Char	1	50. During the past 7 days, did you experience runny nose or nose irritation?
95	RDF51	Char	1	51. During the past 7 days, did you experience coughing, wheezing, or chest tightness?
96	RDF52	Char	1	52. In the past 7 days, did you take any extra handheld spray inhalers for breathing or lung problems after exposure to tobacco smoke in your home?
97	RDF53	Char	1	53. In the past 7 days, have you visited another person's home where someone was smoking tobacco products indoors?

Num	Variable	Type	Len	Label
98	RDF54	Num	8	54. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in another person's home?
99	RDF55	Char	1	55. During the past 7 days, did you enter a room in another person's home that was visibly smoky?
100	RDF56	Char	1	56. In the past 7 days, did you smell tobacco in another person's home?
101	RDF57	Char	1	57. In the past 7 days, have you traveled by car or other vehicle with someone else who was smoking tobacco products?
102	RDF58	Num	8	58. In the past 7 days, how many hours did you spend traveling in a car while someone else was smoking tobacco?
103	RDF59	Char	1	59. During the past 7 days, did anyone smoke tobacco inside your workplace, that is, while you were working indoors?
104	RDF60	Num	8	60. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke inside your workplace?
105	RDF61	Char	1	61. During the past 7 days, did you enter a room in your workplace that was visibly smoky?
106	RDF62	Char	1	62. In the past 7 days, did you smell tobacco smoke in your workplace?
107	RDF63	Char	1	63. Is there an outdoor area at your workplace where cigarette smokers routinely gather or congregate to smoke?
108	RDF64	Num	8	64. In the past 7 days, how many times did you walk through or past this area while others were smoking?
109	RDF65	Num	8	65. During the past 7 days, how many hours in total did you spend in an outdoor smoking area while people were smoking?
110	RDF66	Char	1	66. While walking through or past this area, did you smell smoke?
111	RDF67	Num	8	67. In the past 7 days, how many hours did you spend near coworkers who were smoking tobacco outdoors?
112	RDF68	Char	1	68. During the past 7 days, did you smell tobacco smoke while working outdoors?
113	RDF69	Char	1	69. In the past 7 days, have you been at an outdoor location (besides work) where someone was smoking tobacco products outside?
114	RDF71	Char	1	71. During the past 7 days, did you smell tobacco smoke in this outdoor location?
115	RDF72	Num	8	72. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke at this outdoor location?
116	RDF73	Char	1	73. In the past 7 days or nights, were you in a bar, nightclub, cocktail lounge, sports arena, or concert hall where someone else was smoking tobacco products?
117	RDF74	Num	8	74. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in a bar or other place of entertainment?
118	RDF75	Char	1	75. During the past 7 days, did you enter a room in a bar or other place of entertainment that was visibly smoky?
119	RDF76	Char	1	76. In the past 7 days, did you smell tobacco smoke in a bar or other place of entertainment?
120	RDF77	Char	1	77. I have asked you about exposure to someone else's tobacco smoke in your home, friend's home, work, outdoor locations, and bars or nightclubs. In the past 7 days, was there any other location where you were exposed to tobacco smoke?
121	RDF79	Num	8	79. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in this location?
122	RDF80	Char	1	80. In the last 12 months have you smoked marijuana (cannabis, pot, or hashish)?
123	RDF81	Char	1	81. In the last 12 months have you smoked marijuana regularly (five times or more in a given year)?
124	RDF82	Num	8	82. On average, in the last 12 months about how many joints per week do (did) you smoke?

Num	Variable	Type	Len	Label
125	RDF83	Num	8	83. On average over the entire time that you smoke(d) about how many pipes per week do (did) you smoke?
126	RDF84A	Num	8	84a. In spring
127	RDF84B	Num	8	84b. In summer
128	RDF84C	Num	8	84c. In fall
129	RDF84D	Num	8	84d. In winter
130	RDF85	Num	8	85. On average, how many hours per day do you spend in your home?
131	RDF85A	Char	1	85a. Do you have central air conditioner?
132	RDF85B	Num	8	85b. How many months out of the year do you use it?
133	RDF85C	Char	1	85c. Do you have a room air conditioner?
134	RDF85D	Num	8	85d. How many months out of the year do you use it?
135	RDF85E	Char	1	85e. What kind of range or stove do you have?
136	RDF85E1	Char	25	85e1. Specify
137	RDF85F	Char	1	85f. Does your range or stove have ventilation to the outdoors?
138	RDF85G	Char	1	85g. What is the main type of heating you use in your house?
139	RDF85H	Char	1	85h. What is the main type of heating fuel you use in your house?
140	RDF85H1	Char	25	85h1. Specify
141	RDF85I	Num	8	85i. How many months out of the year do you use the main type of heating in your house?
142	RDF85J1	Num	8	85j1. Radiator
143	RDF85J2	Num	8	85j2. Forced Air
144	RDF85J3	Num	8	85j3. Wood Stove
145	RDF85J4	Num	8	85j4. Fireplace
146	RDF85J5	Num	8	85j5. Other
147	RDF86	Char	1	86. How much time per each day to you spend communting in traffic to work in total (i.e. both ways)?
148	RDF86A	Num	8	86a. How many days per week do you commute to work?
149	VERSION	Char	21	Version
150	RDF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_rmu_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	VISIT
4	RMU01	Char	1	RMU01 Currently using Theophylline
5	RMU02	Char	1	RMU02 Currently using Oral Corticosteroids
6	RMU02A1	Num	8	RMU02A1 Years on oral corticosteroids
7	RMU02A2	Num	8	RMU02A2 Days on oral corticosteroids
8	RMU03	Char	1	RMU03 Supplemental oxygen usage
9	RMU03A	Num	8	RMU03A Hours using supplemental oxygen per day
10	RMU04	Char	1	RMU04 Inhaled steroids usage in last three months
11	RMU04A1	Char	1	RMU04A1 Inhaled steroids used in last 3 months: Azmacort (triamcinolone)
12	RMU04A1A	Num	8	RMU04A1A Azmacort (triamcinolone): Puffs/day?
13	RMU04A2	Char	1	RMU04A2 Inhaled steroids used in last 3 months: Beclovent (beclomethasone)
14	RMU04A2A	Num	8	RMU04A2A Beclovent (beclomethasone): Puffs/day?
15	RMU04A3	Char	1	RMU04A3 Inhaled steroids used in last 3 months: Vanceril (beclomethasone)
16	RMU04A3A	Num	8	RMU04A3A Vanceril (beclomethasone): Puffs/day?
17	RMU04A3B	Char	1	RMU04A3B Inhaled steroids used in last 3 months: Vanceril dose
18	RMU04A4	Char	1	RMU04A4 Inhaled steroids used in last 3 months: AeroBid (blunisolide)
19	RMU04A4A	Num	8	RMU04A4A AeroBid (blunisolide): Puffs/day?
20	RMU04A5	Char	1	RMU04A5 Inhaled steroids used in last 3 months: Flovent (fluticasone)
21	RMU04A5A	Num	8	RMU04A5A Flovent (fluticasone): Puffs/day?
22	RMU04A5B	Char	1	RMU04A5B Inhaled steroids used in last 3 months: Flovent dose
23	RMU04A6	Char	1	RMU04A6 Inhaled steroids used in last 3 months: Pulmicort (budesonide)
24	RMU04A6A	Num	8	RMU04A6A Pulmicort (budesonide): Puffs/day?
25	RMU04A6B	Char	1	RMU04A6B Inhaled steroids used in last 3 months: Pulmicort dose
26	RMU04A7	Char	1	RMU04A7 Inhaled steroids used in last 3 months: Qvar (beclomethasone)
27	RMU04A7A	Num	8	RMU04A7A Qvar (beclomethasone): Puffs/day?
28	RMU04A7B	Char	1	RMU04A7B Inhaled steroids used in last 3 months: Qvar dose
29	RMU04A8	Char	1	RMU04A8 Inhaled steroids used in last 3 months: Advair (bluticasone/salmeterol)
30	RMU04A8A	Num	8	RMU04A8A Advair (bluticasone/salmeterol): Puffs/day?
31	RMU04A8B	Char	1	RMU04A8B Inhaled steroids used in last 3 months: Advair dose
32	RMU04A9	Char	1	RMU04A9 Inhaled steroids used in last 3 months: Symbicort
33	RMU04A9A	Num	8	RMU04A9A Symbicort): Puffs/day?
34	RMU04A9B	Char	1	RMU04A9B Inhaled steroids used in last 3 months: Symbicort dose
35	RMU04A10	Char	1	RMU04A10 Inhaled steroids used in last 3 months: Other, specify
36	RMU04A10A	Num	8	RMU04A10A Other, specify: Puffs/day?
37	RMU04A10B	Char	50	RMU04A10B Inhaled steroids used in last 3 months:Specify

Num	Variable	Type	Len	Label
38	RMU05	Char	1	RMU05 Inhaled bronchodilators in last three months
39	RMU05A1	Char	1	RMU05A1 Inhaled bronchodilators used in last 3 months: Albuterol (Proventil, Ventolin, ProAir)
40	RMU05A1A	Num	8	RMU05A1A Albuterol (Proventil, Ventolin, ProAir): Puffs/day?
41	RMU05A2	Char	1	RMU05A2 Inhaled bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
42	RMU05A2A	Num	8	RMU05A2A ipratropium bromide (Atrovent): Puffs/day?
43	RMU05A3	Char	1	RMU05A3 Inhaled bronchodilators used in last 3 months: ipratropium bromide/albuterol sulfate (Combivent)
44	RMU05A3A	Num	8	RMU05A3A ipratropium bromide/albuterol sulfate (Combivent): Puffs/day?
45	RMU05A4	Char	1	RMU05A4 Inhaled bronchodilators used in last 3 months: terbutaline (Brethaire, Brethine, Bricanyl)
46	RMU05A4A	Num	8	RMU05A4A terbutaline (Brethaire, Brethine, Bricanyl): Puffs/day?
47	RMU05A5	Char	1	RMU05A5 Inhaled bronchodilators used in last 3 months: formoterol (Foradil)
48	RMU05A5A	Num	8	RMU05A5A formoterol (Foradil): Puffs/day?
49	RMU05A6	Char	1	RMU05A6 Inhaled bronchodilators used in last 3 months: tiotropium (Spiriva)
50	RMU05A6A	Num	8	RMU05A6A tiotropium (Spiriva): Puffs/day?
51	RMU05A7	Char	1	RMU05A7 Inhaled bronchodilators used in last 3 months: Salmeterol (Serevent Diskus)
52	RMU05A7A	Num	8	RMU05A7A Salmeterol (Serevent Diskus): Puffs/day?
53	RMU05A8	Char	1	RMU05A8 Inhaled bronchodilators used in last 3 months: Pirbuterol (Maxair)
54	RMU05A8A	Num	8	RMU05A8A Pirbuterol (Maxair): Puffs/day?
55	RMU05A9	Char	1	RMU05A9 Inhaled bronchodilators used in last 3 months: Metaproterenol (Alupent, Metaprel)
56	RMU05A10	Char	1	RMU05A10 Inhaled bronchodilators used in last 3 months: levalbuterol (Tomalate)
57	RMU05A10A	Num	8	RMU05A10A levalbuterol (Tomalate): Puffs/day?
58	RMU05A11	Char	1	RMU05A11 Inhaled bronchodilators used in last 3 months: bitolterol (Tornalate)
59	RMU05A12	Char	1	RMU05A12 Inhaled bronchodilators used in last 3 months: epinephrine (Primatene, Bronkaid)
60	RMU05A12A	Num	8	RMU05A12A epinephrine (Primatene, Bronkaid): Puffs/day?
61	RMU05A13	Char	1	RMU05A13 Inhaled bronchodilators used in last 3 months: fluticasone/salmeterol (Advair Diskus)
62	RMU05A13A	Num	8	RMU05A13A fluticasone/salmeterol (Advair Diskus): Puffs/day?
63	RMU05A14	Char	1	RMU05A14 Inhaled bronchodilators used in last 3 months: budesonide/formoterol (Symbicort)
64	RMU05A14A	Num	8	RMU05A14A budesonide/formoterol (Symbicort): Puffs/day?
65	RMU05A15	Char	1	RMU05A15 Inhaled bronchodilators used in last 3 months: Other)
66	RMU05A15A	Num	8	RMU05A15A Other: Puffs/day?
67	RMU05A15B	Char	50	RMU05A15B Inhaled bronchodilators used in last 3 months:Specify
68	RMU06	Char	1	RMU06 Nebulized bronchodilators usage in the last three months
69	RMU06A1	Char	1	RMU06A1 nebulized bronchodilators used in last 3 months: formoterol (Perforomist)
70	RMU06A2	Char	1	RMU06A2 nebulized bronchodilators used in last 3 months: arformoterol (Brovana)
71	RMU06A3	Char	1	RMU06A3 nebulized bronchodilators used in last 3 months: albuterol and ipratropium bromide (DuoNeb)
72	RMU06A4	Char	1	RMU06A4 nebulized bronchodilators used in last 3 months: albuterol (Proventil, Ventolin, ProAir)
73	RMU06A5	Char	1	RMU06A5 nebulized bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
74	RMU07	Char	1	RMU07 Leukotriene antagonist usage in the last 3 months

Num	Variable	Type	Len	Label
75	RMU08	Char	1	RMU08 Statin medications usage in the last three months
76	RMU08A1	Char	1	RMU08A1 statin used in last 3 months: Crestor (resuvastatin)
77	RMU08A2	Char	1	RMU08A2 statin used in last 3 months: Lescol (fluvastatin)
78	RMU08A3	Char	1	RMU08A3 statin used in last 3 months: Lipitor (atorvastatin)
79	RMU08A4	Char	1	RMU08A4 statin used in last 3 months: Mevacor (lovastatin)
80	RMU08A5	Char	1	RMU08A5 statin used in last 3 months: Pravachol (pravastatin)
81	RMU08A6	Char	1	RMU08A6 statin used in last 3 months: Vytorin (ezetimibe, simvastatin)
82	RMU08A7	Char	1	RMU08A7 statin used in last 3 months: Zocor (simvastatin)
83	RMU08A8	Char	1	RMU08A8 statin used in last 3 months: Other
84	RMU08A8B	Char	50	RMU08A8B statin used in last 3 months:Specify
85	RMU09	Char	1	RMU09 Beta-blocker medications usage in the last three months
86	RMU09A1	Char	1	RMU09A1 beta blocker used in last 3 months: Atenolol (tenormin, tenoretic)
87	RMU09A2	Char	1	RMU09A2 beta blocker used in last 3 months: Metoprolol (lopresor, toprol)
88	RMU09A3	Char	1	RMU09A3 beta blocker used in last 3 months: Carvedilol (coreg)
89	RMU09A4	Char	1	RMU09A4 beta blocker used in last 3 months: Labetalol (trandate, normodyne)
90	RMU09A5	Char	1	RMU09A5 beta blocker used in last 3 months: Propranalol (Inderal, Inderide)
91	RMU09A6	Char	1	RMU09A6 beta blocker used in last 3 months: Sotalol (Betapace, Sorine)
92	RMU09A7	Char	1	RMU09A7 beta blocker used in last 3 months: Timolol (Blocadren, timolide)
93	RMU09A8	Char	1	RMU09A8 beta blocker used in last 3 months: bisoprolol (zebeta, ziac)
94	RMU09A9	Char	1	RMU09A9 beta blocker used in last 3 months: pindolol (visken)
95	RMU09A10	Char	1	RMU09A10 beta blocker used in last 3 months: Other
96	RMU09A10B	Char	50	RMU09A10B beta blocker used in last 3 months:Specify
97	RMU10	Char	1	RMU10 Oral anti-oxidant supplements usage in the past three months
98	RMU10A1	Char	1	RMU10A1 oral anti-oxidants used in last 3 months: Vitamin C (ascorbic acid)
99	RMU10A2	Char	1	RMU10A2 oral anti-oxidants used in last 3 months: Vitamin E (alpha-tocopherol)
100	RMU10A3	Char	1	RMU10A3 oral anti-oxidants used in last 3 months: beta carotene
101	RMU10A4	Char	1	RMU10A4 oral anti-oxidants used in last 3 months: zinc
102	RMU10A5	Char	1	RMU10A5 oral anti-oxidants used in last 3 months: copper
103	RMU10A6	Char	1	RMU10A6 oral anti-oxidants used in last 3 months: fish oil
104	RMU10A7	Char	1	RMU10A7 oral anti-oxidants used in last 3 months: omega 3
105	RMU10A8	Char	1	RMU10A8 oral anti-oxidants used in last 3 months: Other
106	RMU11	Char	1	RMU11 Aspirin usage
107	RMU12H	Char	50	RMU12H Other Medication taken in the last 3 months
108	RMU12I	Char	50	RMU12I Other Medication taken in the last 3 months
109	RMU13D	Char	50	RMU13D Other Supplement taken in the last 3 months
110	RMU13E	Char	50	RMU13E Other Supplement taken in the last 3 months
111	RMU13F	Char	50	RMU13F Other Supplement taken in the last 3 months
112	RMU13G	Char	50	RMU13G Other Supplement taken in the last 3 months
113	RMU13H	Char	50	RMU13H Other Supplement taken in the last 3 months

Num	Variable	Type	Len	Label
114	RMU13I	Char	50	RMU13I Other Supplement taken in the last 3 months
115	VERSION	Char	21	VERSION
116	RMU0A_DAYS	Num	8	Form Date - Days from enrollment

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Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SDF01	Char	1	SDF01 Exhaled CO Measured
5	SDF01A	Num	8	SDF01A Monitor number
6	SDF01B	Num	8	SDF01B eCO Measurement 1
7	SDF01C	Num	8	SDF01C eCO Measurement 2
8	SDF02	Char	1	SDF02 Pre-bronchodilator spirometry
9	SDF02A	Char	5	SDF02A Time pre-BD slow vital capacity procedure began
10	SDF02A_AMPM	Char	1	SDF02A_AMPM AM/PM
11	SDF03A	Num	8	SDF03A Pre-BD Inspiratory Capacity
12	SDF03B	Num	8	SDF03B Pre-BD Expiratory slow vital capacity
13	SDF03C	Num	8	SDF03C Pre-BD FEV1
14	SDF03D	Num	8	SDF03D Pre-BD FVC
15	SDF04	Char	1	SDF04 Post-bronchodilator spirometry
16	SDF04A	Char	5	SDF04A Time first puff of bronchodilator administered
17	SDF04A_AMPM	Char	1	SDF04A_AMPM AM/PM
18	SDF04B	Char	5	SDF04B Time post-BD slow vital capacity procedure began
19	SDF04B_AMPM	Char	1	SDF04B_AMPM AM/PM
20	SDF05A	Num	8	SDF05A Post-BD Inspiratory Capacity
21	SDF05B	Num	8	SDF05B Post-BD Expiratory slow vital capacity
22	SDF05C	Num	8	SDF05C Post-BD FEV1
23	SDF05D	Num	8	SDF05D Post-BD FVC
24	SDF06	Char	1	SDF06 Post-BD Meet ATS-ERS requirements
25	SDF07	Char	1	SDF07 Complications during spirometry
26	VERSION	Char	21	Version
27	SDF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_sfh_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFH01	Num	8	SFH01 General Health
5	SFH02A	Num	8	SFH02A Limitations on moderate activites
6	SFH02B	Num	8	SFH02B Limitations on difficult activities
7	SFH03A	Char	1	SFH03A Limited in accomplishing tasks
8	SFH03B	Char	1	SFH03B Limited in daily activities
9	SFH04A	Char	1	SFH04A Emotional limitations on activities
10	SFH04B	Char	1	SHF04B Emotional limitations on daily life
11	SFH05	Num	8	SFH05 Pain interfering with normal work
12	SFH06A	Num	8	SFH06A Feeling calm
13	SFH06B	Num	8	SFH06B Energy level
14	SFH06C	Num	8	SFH06C Feeling depressed
15	SFH07	Num	8	SFH07 Physical/emotional health interfering with social life
16	VERSION	Char	21	Version
17	SFH_BP03	Num	8	Year 2 SFH bodily pain
18	SFH_GH03	Num	8	Year 2 SFH general health
19	SFH_MCS03	Num	8	Year 2 SFH mental component summary
20	SFH_MH03	Num	8	Year 2 SFH mental health
21	SFH_PCS03	Num	8	Year 2 SFH physical component summary
22	SFH_PF03	Num	8	Year 2 SFH physical functioning
23	SFH_RE03	Num	8	Year 2 SFH role emotion
24	SFH_RP03	Num	8	Year 2 SFH role physical
25	SFH_SF03	Num	8	Year 2 SFH social functioning
26	SFH_VT03	Num	8	Year 2 SFH vitality
27	SFH0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_sfv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFV01	Char	9	SFV01 study_id
5	SFV10	Char	15	SFV10 Position
6	SFV12	Num	8	SFV12 visit_num
7	SFV13	Num	8	SFV13 interval_num
8	SFV14	Num	8	SFV14 stage_num
9	SFV15	Num	8	SFV15 seq_num
10	SFV16	Char	10	SFV16 vlabel
11	SFV17	Num	8	SFV17 repeats
12	SFV19	Char	15	SFV19 qa_grade
13	SFV20	Char	15	SFV20 qa_status
14	SFV22B	Char	8	SFV22B time
15	SFV23B	Char	8	SFV23B time_best
16	SFV24B	Char	8	SFV24B time_first
17	SFV25	Num	8	SFV25 trial_seq_num
18	SFV26	Num	8	SFV26 ranking
19	SFV27	Num	8	SFV27 temperature
20	SFV28	Num	8	SFV28 barometric
21	SFV29	Num	8	SFV29 humidity
22	SFV30	Num	8	SFV30 fevpd
23	SFV31	Num	8	SFV31 fvcpd
24	SFV32	Num	8	SFV32 fefpd
25	SFV33	Num	8	SFV33 fev1_fvcpd
26	SFV34	Num	8	SFV34 pefpd
27	SFV35	Num	8	SFV35 pctfev
28	SFV36	Num	8	SFV36 pctfvc
29	SFV37	Num	8	SFV37 pctfef2575
30	SFV38	Num	8	SFV38 pctpefr
31	SFV39	Num	8	SFV39 pctfev_fvc
32	SFV40	Num	8	SFV40 fvc
33	SFV41	Num	8	SFV41 flag_fvc_best
34	SFV42B	Char	8	SFV42B trials_time
35	SFV43	Num	8	SFV43 fev05
36	SFV44	Num	8	SFV44 fev05fvc
37	SFV45	Num	8	SFV45 fev1

Num	Variable	Type	Len	Label
38	SFV46	Num	8	SFV46 flag_fev_best
39	SFV47	Num	8	SFV47 fev1fvc
40	SFV48	Num	8	SFV48 flag_fevfvc_best
41	SFV49	Num	8	SFV49 fev3
42	SFV50	Num	8	SFV50 fev3fvc
43	SFV51	Num	8	SFV51 fev6
44	SFV52	Num	8	SFV52 fef212
45	SFV53	Num	8	SFV53 fef2575
46	SFV54	Num	8	SFV54 flag_fef2575_best
47	SFV55	Num	8	SFV55 fef25756
48	SFV56	Num	8	SFV56 fef25
49	SFV57	Num	8	SFV57 fef50
50	SFV58	Num	8	SFV58 fef506
51	SFV59	Num	8	SFV59 fef75
52	SFV60	Num	8	SFV60 fef756
53	SFV61	Num	8	SFV61 fef7585
54	SFV62	Num	8	SFV62 pefr
55	SFV63	Num	8	SFV63 flag_pefr_best
56	SFV64	Num	8	SFV64 met
57	SFV65	Num	8	SFV65 peft
58	SFV66	Num	8	SFV66 vext
59	SFV67	Num	8	SFV67 pctvext
60	SFV68	Num	8	SFV68 expt
61	SFV71	Num	8	SFV71 fivc
62	SFV72	Num	8	SFV72 fiv05
63	SFV73	Num	8	SFV73 fiv05fivc
64	SFV74	Num	8	SFV74 fiv1
65	SFV75	Num	8	SFV75 fiv1fivc
66	SFV76	Num	8	SFV76 fiv3
67	SFV77	Num	8	SFV77 pifr
68	SFV78	Num	8	SFV78 fif212
69	SFV79	Num	8	SFV79 fif2575
70	SFV80	Num	8	SFV80 mit
71	VERSION	Char	21	Version
72	SFV22A_DAYS	Num	8	Date - Days from enrollment
73	SFV23A_DAYS	Num	8	Date best - Days from enrollment
74	SFV24A_DAYS	Num	8	Date first - Days from enrollment
75	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v3_sgr_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SGR0	Char	1	SGR01 Describe current health
5	SGR01	Num	8	SGR01 chest trouble: I cough:
6	SGR02	Num	8	SGR02 chest trouble: I bring up phlegm (sputum):
7	SGR03	Num	8	SGR03 chest trouble: I have had shortness of breath:
8	SGR04	Num	8	SGR04 chest trouble: I have attacks of wheezing:
9	SGR05	Char	1	SGR05 Number of attacks
10	SGR06	Char	1	SGR06 Days with little chest trouble
11	SGR07	Char	1	SGR07 Wheeze in morning
12	SGR08	Char	1	SGR08 Describe chest condition
13	SGR09A	Char	1	SGR09A Feel breathless:Getting washed or dressed
14	SGR09B	Char	1	SGR09B Feel breathless:Walking around the home
15	SGR09C	Char	1	SGR09C Feel breathless:Walking outside on the level
16	SGR09D	Char	1	SGR09D Feel breathless:Walking up a flight of stairs
17	SGR09E	Char	1	SGR09E Feel breathless:Walking up hills
18	SGR10A	Char	1	SGR10A About cough and breathlessness: Painful cough
19	SGR10B	Char	1	SGR10B About cough and breathlessness: Tiring cough
20	SGR10C	Char	1	SGR10C About cough and breathlessness: Breathless when talking
21	SGR10D	Char	1	SGR10D About cough and breathlessness: Breathless when bending over
22	SGR10E	Char	1	SGR10E About cough and breathlessness: Coughing/breathing disturbs sleep
23	SGR10F	Char	1	SGR10F About cough and breathlessness: Easily exhausted
24	SGR11A	Char	1	SGR11A Effect of chest trouble: Embarrassed in public
25	SGR11B	Char	1	SGR11B Effect of chest trouble: Chest trouble annoys others
26	SGR11C	Char	1	SGR11C Effect of chest trouble: Feeling panicked when out of breath
27	SGR11D	Char	1	SGR11D Effect of chest trouble: Chest problem beyond control
28	SGR11E	Char	1	SGR11E Effect of chest trouble: Frail/invalid
29	SGR11F	Char	1	SGR11F Effect of chest trouble: Exercise is unsafe
30	SGR11G	Char	1	SGR11G Effect of chest trouble: Effort
31	SGR12A	Char	1	SGR12A Activities effected by respiratory problems: Long time washing/dressing
32	SGR12B	Char	1	SGR12B Activities effected by respiratory problems: Long time bathing
33	SGR12C	Char	1	SGR12C Activities effected by respiratory problems: Walking slowly/pausing often
34	SGR12D	Char	1	SGR12D Activities effected by respiratory problems: Long time doing housework
35	SGR12E	Char	1	SGR12E Activities effected by respiratory problems: Walking up stairs
36	SGR12F	Char	1	SGR12F Activities effected by respiratory problems: Difficulty walking fast

Num	Variable	Type	Len	Label
37	SGR12G	Char	1	SGR12G Activities effected by respiratory problems: Difficulty performing moderate tasks
38	SGR12H	Char	1	SGR12H Activities effected by respiratory problems: Difficulty performing hard tasks
39	SGR13A	Char	1	SGR13A Activities usually effected by chest: Cannot play sports or games
40	SGR13B	Char	1	SGR13B Activities usually effected by chest: Cannot go out for recreation
41	SGR13C	Char	1	SGR13C Activities usually effected by chest: Cannot go out shopping
42	SGR13D	Char	1	SGR13DActivities usually effected by chest: Cannot do housework
43	SGR13E	Char	1	SGR13E Activities usually effected by chest: Cannot move far from bed/chair
44	SGR14	Num	8	SGR14 Personal effects of chest trouble
45	VERSION	Char	21	Version
46	SGR_SYMPTOMSCORE03	Num	8	Year 2 SGR symptom score
47	SGR_ACTIVITYSCORE03	Num	8	Year 2 SGR activity score
48	SGR_IMPACTSCORE03	Num	8	Year 2 SGR impact score
49	SGR_TOTALSCORE03	Num	8	Year 2 SGR total score
50	SGR0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_smw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SMW01	Num	8	SMW01 Medications taken since post-bronchodilator spirometry
5	SMW01A1	Char	45	SMW01A1 Medication name
6	SMW01A2	Char	20	SMW01A2 Dose
7	SMW01A3	Char	5	SMW01A3 Time
8	SMW01A3_AMPM	Char	1	SMW01A3_AMPM AM/PM
9	SMW01B1	Char	45	SMW01B1 Medication name
10	SMW01B2	Char	20	SMW01B2 Dose
11	SMW01B3	Char	5	SMW01B3 Time
12	SMW01B3_AMPM	Char	1	SMW01B3_AMPM AM/PM
13	SMW01C1	Char	45	SMW01C1 Medication name
14	SMW01C2	Char	20	SMW01C2 Dose
15	SMW01C3	Char	5	SMW01C3 Time
16	SMW01C3_AMPM	Char	1	SMW01C3_AMPM AM/PM
17	SMW02	Char	1	SMW02 blood pressure taken more than 4 hours prior to SMW
18	SMW02A	Num	8	SMW02A Systolic
19	SMW02B	Num	8	SMW02B Diastolic
20	SMW03	Char	1	SMW03 Supplemental Oxygen
21	SMW03A	Num	8	SMW03A Supplemental Oxygen Flow rate
22	SMW03B	Char	1	SMW03B Flow Type
23	SMW04A	Num	8	SMW04A Oxygen saturation (SpO2) at rest prior to SMW
24	SMW04B	Num	8	SMW04B Pulse at rest prior to SMW
25	SMW05	Char	1	SMW05 Was continuous oximetry recorded?
26	SMW06	Char	5	SMW06 Start time of 6MW
27	SMW06_AMPM	Char	1	SMW06_AMPM AM/PM
28	SMW07A	Num	8	SMW07A Oxygen saturation (SpO2) immediately following SMW
29	SMW07B	Num	8	SMW07B Pulse immediately following SMW
30	SMW07C	Num	8	SMW07C Breathlessness Score immediately following SMW
31	SMW07D	Num	8	SMW07D Exertion score immediately following SMW
32	SMW08A	Char	1	SMW08A Type of SMW course used (meters, feet, or other)
33	SMW08A1	Char	100	SMW08A1 Specify other type of SMW course used
34	SMW08B	Num	8	SMW08B Number of full laps
35	SMW08C	Num	8	SMW08C Distance walked final partial lap
36	SMW09	Char	1	SMW09 Stopped before 6 minutes
37	SMW09A1	Num	8	SMW09A1 Duration (minutes)

Num	Variable	Type	Len	Label
38	SMW09A2	Num	8	SMW09A2 Duration (seconds)
39	SMW09B1	Num	8	SMW09B1 Primary reason for stopping/not walking faster: Desaturation to LT 80%
40	SMW09B2	Num	8	SMW09B2 Primary reason for stopping/not walking faster: Orthopedic pain
41	SMW09B3	Num	8	SMW09B3 Primary reason for stopping/not walking faster: Muscle pain
42	SMW09B4	Num	8	SMW09B4 Primary reason for stopping/not walking faster: Breathlessness
43	SMW09B5	Num	8	SMW09B5 Primary reason for stopping/not walking faster: Adverse Event
44	SMW09B5A	Num	8	SMW09B5A SMW related AE: Angina
45	SMW09B5B	Num	8	SMW09B5B SMW related AE: Lightheadedness
46	SMW09B5C	Num	8	SMW09B5C SMW related AE: Intolerable dyspnea
47	SMW09B5D	Num	8	SMW09B5D SMW related AE: Leg cramps
48	SMW09B5E	Num	8	SMW09B5E SMW related AE: Staggering
49	SMW09B5F	Num	8	SMW09B5F SMW related AE: Diaphoresis
50	SMW09B5G	Num	8	SMW09B5G SMW related AE: Pale or ashen appearance
51	SMW09B5H	Num	8	SMW09B5H SMW related AE: Mental confusion or headache
52	SMW09B5I	Num	8	SMW09B5I SMW related AE: Other
53	SMW09B5ISP	Char	100	SMW09B5ISP Explain other AE related to SMW
54	VERSION	Char	21	Version
55	SMW0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v3_ssv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SSV01	Char	9	SSV01 study_id
5	SSV10	Char	15	SSV10 position
6	SSV12	Num	8	SSV12 visit_num
7	SSV13	Num	8	SSV13 interval_num
8	SSV14	Num	8	SSV14 stage_num
9	SSV15	Num	8	SSV15 seq_num
10	SSV16	Char	5	SSV16 vlabel
11	SSV17	Num	8	SSV17 repeats
12	SSV19	Char	15	SSV19 qa_grade
13	SSV20	Char	15	SSV20 qa_status
14	SSV22B	Char	8	SSV22B time
15	SSV23B	Char	8	SSV23B time_best
16	SSV24B	Char	8	SSV24B time_first
17	SSV25B	Char	8	SSV25B trials_time
18	SSV26	Num	8	SSV26 trial_seq_num
19	SSV27	Num	8	SSV27 ranking
20	SSV28	Num	8	SSV28 temperature
21	SSV29	Num	8	SSV29 barometric
22	SSV30	Num	8	SSV30 humidity
23	SSV31	Num	8	SSV31 pre_washout_1
24	SSV33	Num	8	SSV33 svc
25	SSV34	Num	8	SSV34 svcpd
26	SSV35	Num	8	SSV35 pctsvc
27	SSV36	Num	8	SSV36 flag_svc_best
28	SSV37	Num	8	SSV37 ic
29	SSV38	Num	8	SSV38 irv
30	SSV39	Num	8	SSV39 erv
31	SSV40	Num	8	SSV40 tv
32	VERSION	Char	21	Version
33	SSV22A_DAYS	Num	8	Date - Days from enrollment
34	SSV23A_DAYS	Num	8	Date best - Days from enrollment
35	SSV24A_DAYS	Num	8	Date first - Days from enrollment
36	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v3_vsa_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	VSA01	Char	1	VSA01 1 MET
5	VSA02	Char	1	VSA02 2 METs
6	VSA03	Char	1	VSA03 3 METs
7	VSA04	Char	1	VSA04 4 METs
8	VSA05	Char	1	VSA05 5 METs
9	VSA06	Char	1	VSA06 6 METs
10	VSA07	Char	1	VSA07 7 METs
11	VSA08	Char	1	VSA08 8 METs
12	VSA09	Char	1	VSA09 9 METs
13	VSA10	Char	1	VSA10 10 METs
14	VSA11	Char	1	VSA11 11 METs
15	VSA12	Char	1	VSA12 12 METs
16	VSA13	Char	1	VSA13 13 METs
17	VERSION	Char	21	Version
18	VSASCORE03	Num	8	Year 2 veteran specific activity score
19	VSA0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_ant_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ANT01	Char	1	ANT01 Assessment of ability to stand
5	ANT02	Num	8	ANT02 Standing Height (cm)
6	ANT03	Num	8	ANT03 Weight (kg)
7	ANT04	Num	8	ANT04 BMI
8	ANT05	Num	8	ANT05 Arm Span (cm)
9	ANT06A	Num	8	ANT06A Waist (cm)
10	ANT06B	Num	8	ANT06B Hip (cm)
11	ANT06C	Num	8	ANT06C Neck (cm)
12	VERSION	Char	21	Version
13	ANT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_bio_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BIO01	Char	1	BIO01 Fasting before appointment?
5	BIO02	Char	5	BIO02 Time most recently eaten
6	BIO02_AMPM	Char	1	BIO02_AMPM Recently eaten AM/PM
7	BIO04	Char	5	BIO04 Collection time
8	BIO04_AMPM	Char	1	BIO04_AMPM Blood collection time AM/PM
9	BIO05	Num	8	BIO05 Number of venipuncture attempts
10	BIO06	Char	1	BIO06 Incidents/Problems drawing blood?
11	BIO07A1	Num	8	BIO07A1 Tube 1 Sample Not Drawn
12	BIO07A2	Num	8	BIO07A2 Tube 2 Sample Not Drawn
13	BIO07A3	Num	8	BIO07A3 Tube 3 Sample Not Drawn
14	BIO07A4	Num	8	BIO07A4 Tube 4 Sample Not Drawn
15	BIO07A5	Num	8	BIO07A5 Tube 5 Sample Not Drawn
16	BIO07A6	Num	8	BIO07A6 Tube 6 Sample Not Drawn
17	BIO07A7	Num	8	BIO07A7 Tube 7 Sample Not Drawn
18	BIO07A8	Num	8	BIO07A8 Tube 8 Sample Not Drawn
19	BIO07A9	Num	8	BIO07A9 Tube 9 Sample Not Drawn
20	BIO07B1	Num	8	BIO07B1 Tube 1 Partial sample drawn
21	BIO07B2	Num	8	BIO07B2 Tube 2 Partial sample drawn
22	BIO07B3	Num	8	BIO07B3 Tube 3 Partial sample drawn
23	BIO07B4	Num	8	BIO07B4 Tube 4 Partial sample drawn
24	BIO07B5	Num	8	BIO07B5 Tube 5 Partial sample drawn
25	BIO07B6	Num	8	BIO07B6 Tube 6 Partial sample drawn
26	BIO07B7	Num	8	BIO07B7 Tube 7 Partial sample drawn
27	BIO07B8	Num	8	BIO07B8 Tube 8 Partial sample drawn
28	BIO07B9	Num	8	BIO07B9 Tube 9 Partial sample drawn
29	BIO07C1	Num	8	BIO07C1 Tube 1 Tourniquet reapplied
30	BIO07C2	Num	8	BIO07C2 Tube 2 Tourniquet reapplied
31	BIO07C3	Num	8	BIO07C3 Tube 3 Tourniquet reapplied
32	BIO07C4	Num	8	BIO07C4 Tube 4 Tourniquet reapplied
33	BIO07C5	Num	8	BIO07C5 Tube 5 Tourniquet reapplied
34	BIO07C6	Num	8	BIO07C6 Tube 6 Tourniquet reapplied
35	BIO07C7	Num	8	BIO07C7 Tube 7 Tourniquet reapplied
36	BIO07C8	Num	8	BIO07C8 Tube 8 Tourniquet reapplied
37	BIO07C9	Num	8	BIO07C9 Tube 9 Tourniquet reapplied

Num	Variable	Type	Len	Label
38	BIO07D1	Num	8	BIO07D1 Tube 1 Fist clenching
39	BIO07D2	Num	8	BIO07D2 Tube 2 Fist clenching
40	BIO07D3	Num	8	BIO07D3 Tube 3 Fist clenching
41	BIO07D4	Num	8	BIO07D4 Tube 4 Fist clenching
42	BIO07D5	Num	8	BIO07D5 Tube 5 Fist clenching
43	BIO07D6	Num	8	BIO07D6 Tube 6 Fist clenching
44	BIO07D7	Num	8	BIO07D7 Tube 7 Fist clenching
45	BIO07D8	Num	8	BIO07D8 Tube 8 Fist clenching
46	BIO07D9	Num	8	BIO07D9 Tube 9 Fist clenching
47	BIO07E1	Num	8	BIO07E1 Tube 1 Needle movement
48	BIO07E2	Num	8	BIO07E2 Tube 2 Needle movement
49	BIO07E3	Num	8	BIO07E3 Tube 3 Needle movement
50	BIO07E4	Num	8	BIO07E4 Tube 4 Needle movement
51	BIO07E5	Num	8	BIO07E5 Tube 5 Needle movement
52	BIO07E6	Num	8	BIO07E6 Tube 6 Needle movement
53	BIO07E7	Num	8	BIO07E7 Tube 7 Needle movement
54	BIO07E8	Num	8	BIO07E8 Tube 8 Needle movement
55	BIO07E9	Num	8	BIO07E9 Tube 9 Needle movement
56	BIO07F1	Num	8	BIO07F1 Tube 1 Participant reclining
57	BIO07F2	Num	8	BIO07F2 Tube 2 Participant reclining
58	BIO07F3	Num	8	BIO07F3 Tube 3 Participant reclining
59	BIO07F4	Num	8	BIO07F4 Tube 4 Participant reclining
60	BIO07F5	Num	8	BIO07F5 Tube 5 Participant reclining
61	BIO07F6	Num	8	BIO07F6 Tube 6 Participant reclining
62	BIO07F7	Num	8	BIO07F7 Tube 7 Participant reclining
63	BIO07F8	Num	8	BIO07F8 Tube 8 Participant reclining
64	BIO07F9	Num	8	BIO07F9 Tube 9 Participant reclining
65	BIO10A	Char	5	BIO10A Tube 1: Time processed
66	BIO10A_AMPM	Char	1	BIO10A_AMPM Tube 1: Processed AM/PM
67	BIO10B	Char	1	BIO10B Tube 1: Problems Processing?
68	BIO10B1	Num	8	BIO10B1 Tube 1: Broken tube
69	BIO10B2	Num	8	BIO10B2 Tube 1: Sample re-centrifuged
70	BIO10B3	Num	8	BIO10B3 Tube 1: Clotted
71	BIO10B4	Num	8	BIO10B4 Tube 1: Hemolyzed
72	BIO10B5	Num	8	BIO10B5 Tube 1: Lipemic
73	BIO10B6	Num	8	BIO10B6 Tube 1: Other
74	BIO10B6A	Char	30	BIO10B6A Tube 1:Specify Problem Processing
75	BIO10C	Num	8	BIO10C Tube 1: Number of aliquots
76	BIO10D	Num	8	BIO10D Tube 1: Volume in last four aliquots

Num	Variable	Type	Len	Label
77	BIO10E	Num	8	BIO10E Tube 1: Freezer box number
78	BIO10F	Char	5	BIO10F Tube 1: Time aliquots placed in freezer
79	BIO10F_AMPM	Char	1	BIO10F_AMPM Tube 1: Freezer AM/PM
80	BIO11A	Char	5	BIO11A Tube 2: Time processed
81	BIO11A_AMPM	Char	1	BIO11A_AMPM Tube 2: Processed AM/PM
82	BIO11B	Char	1	BIO11B Tube 2: Problems processing?
83	BIO11B1	Num	8	BIO11B1 Tube 2: Broken tube
84	BIO11B2	Num	8	BIO11B2 Tube 2: Sample re-centrifuged
85	BIO11B3	Num	8	BIO11B3 Tube 2: Clotted
86	BIO11B4	Num	8	BIO11B4 Tube 2: Hemolyzed
87	BIO11B5	Num	8	BIO11B5 Tube 2: Lipemic
88	BIO11B6	Num	8	BIO11B6 Tube 2: Other
89	BIO11B6A	Char	30	BIO11B6A Tube 2:Specify Problem Processing
90	BIO11C	Num	8	BIO11C Tube 2: Number of aliquots
91	BIO11D	Num	8	BIO11D Tube 2: Volume in last four aliquots
92	BIO11E	Num	8	BIO11E Tube 2: Freezer box number
93	BIO11F	Char	5	BIO11F Tube 2: Time aliquots placed in freezer
94	BIO11F_AMPM	Char	1	BIO11F_AMPM Tube 2: Freezer AM/PM
95	BIO12A	Char	5	BIO12A Tube 3: Time processed
96	BIO12A_AMPM	Char	1	BIO12A_AMPM Tube 3: Processed AM/PM
97	BIO12B	Char	1	BIO12B Tube 3: Problems processing?
98	BIO12B1	Num	8	BIO12B1 Tube 3: Broken tube
99	BIO12B2	Num	8	BIO12B2 Tube 3: Sample re-centrifuged
100	BIO12B3	Num	8	BIO12B3 Tube 3: Clotted
101	BIO12B4	Num	8	BIO12B4 Tube 3: Hemolyzed
102	BIO12B5	Num	8	BIO12B5 Tube 3: Lipemic
103	BIO12B6	Num	8	BIO12B6 Tube 3: Other
104	BIO12C	Num	8	BIO12C Tube 3: Number of aliquots
105	BIO12D	Num	8	BIO12D Tube 3: Volume in last four aliquots
106	BIO12E	Num	8	BIO12E Tube 3: Freezer box number
107	BIO12F	Char	5	BIO12F Tube 3: Time aliquots placed in freezer
108	BIO12F_AMPM	Char	1	BIO12F_AMPM Tube 3: Freezer AM/PM
109	BIO13A	Char	5	BIO13A Tube 4: Time processed
110	BIO13A_AMPM	Char	1	BIO13A_AMPM Tube 4:Processed AM/PM
111	BIO13B	Char	1	BIO13B Tube 4: Problems processing?
112	BIO13B1	Num	8	BIO13B1 Tube 4: Broken tube
113	BIO13B2	Num	8	BIO13B2 Tube 4: Sample re-centrifuged
114	BIO13B3	Num	8	BIO13B3 Tube 4: Clotted
115	BIO13B4	Num	8	BIO13B4 Tube 4: Hemolyzed

Num	Variable	Type	Len	Label
116	BIO13B5	Num	8	BIO13B5 Tube 4: Lipemic
117	BIO13B6	Num	8	BIO13B6 Tube 4: Other
118	BIO13B6A	Char	30	BIO13B6A Tube 4:Specify Problem Processing
119	BIO13C	Num	8	BIO13C Tube 4: Number of aliquots
120	BIO13D	Num	8	BIO13D Tube 4: Volume in last four aliquots
121	BIO13E	Num	8	BIO13E Tube 4: Freezer box number
122	BIO13F	Char	5	BIO13F Tube 4: Time aliquots placed in freezer
123	BIO13F_AMPM	Char	1	BIO13F_AMPM Tube 4:Freezer AM/PM
124	BIO14A	Char	5	BIO14A Tube 5: Time processed
125	BIO14A_AMPM	Char	1	BIO14A_AMPM Tube 5:Processed AM/PM
126	BIO14B	Char	1	BIO14B Tube 5: Problems processing?
127	BIO14B1	Num	8	BIO14B1 Tube 5: Broken tube
128	BIO14B2	Num	8	BIO14B2 Tube 5: Sample re-centrifuged
129	BIO14B3	Num	8	BIO14B3 Tube 5: Clotted
130	BIO14B4	Num	8	BIO14B4 Tube 5: Hemolyzed
131	BIO14B5	Num	8	BIO14B5 Tube 5: Lipemic
132	BIO14B6	Num	8	BIO14B6 Tube 5: Other
133	BIO14B6A	Char	30	BIO14B6A Tube 5:Specify Problem Processing
134	BIO14C	Num	8	BIO14C Tube 5: Number of aliquots
135	BIO14D	Num	8	BIO14D Tube 5: Volume in last four aliquots
136	BIO14E	Num	8	BIO14E Tube 5: Freezer box number
137	BIO14F	Char	5	BIO14F Tube 5: Time aliquots placed in freezer
138	BIO14F_AMPM	Char	1	BIO14F_AMPM Tube 5:Freezer AM/PM
139	BIO15A	Char	5	BIO15A Tube 6: Time processed
140	BIO15A_AMPM	Char	1	BIO15A_AMPM Tube 6:Processed AM/PM
141	BIO15B	Char	1	BIO15B Tube 6: Problems processing?
142	BIO15B1	Num	8	BIO15B1 Tube 6: Broken tube
143	BIO15B2	Num	8	BIO15B2 Tube 6: Sample re-centrifuged
144	BIO15B3	Num	8	BIO15B3 Tube 6: Clotted
145	BIO15B4	Num	8	BIO15B4 Tube 6: Hemolyzed
146	BIO15B5	Num	8	BIO15B5 Tube 6: Lipemic
147	BIO15B6	Num	8	BIO15B6 Tube 6: Other
148	BIO15C	Num	8	BIO15C Tube 6: Number of aliquots
149	BIO15D	Num	8	BIO15D Tube 6: Volume in last four aliquots
150	BIO15E	Num	8	BIO15E Tube 6: Freezer box number
151	BIO15F	Char	5	BIO15F Tube 6: Time aliquots placed in freezer
152	BIO15F_AMPM	Char	1	BIO15F_AMPM Tube 6:Freezer AM/PM
153	BIO16A	Char	5	BIO16A Tube 7: Time sent to clinical center lab:
154	BIO16A_AMPM	Char	1	BIO16A_AMPM Tube 7: Sent to clinical lab AM/PM

Num	Variable	Type	Len	Label
155	BIO17A	Char	5	BIO17A Tube 8: Time processed
156	BIO17A_AMPM	Char	1	BIO17A_AMPM Tube 8:Processed AM/PM
157	BIO17B	Char	1	BIO17B Tube 8: Problems processing?
158	BIO17B1	Num	8	BIO17B1 Tube 8: Broken tube
159	BIO17B2	Num	8	BIO17B2 Tube 8: Sample re-centrifuged
160	BIO17B3	Num	8	BIO17B3 Tube 8: Clotted
161	BIO17B4	Num	8	BIO17B4 Tube 8: Hemolyzed
162	BIO17B5	Num	8	BIO17B5 Tube 8: Lipemic
163	BIO17B6	Num	8	BIO17B6 Tube 8: Other
164	BIO17B6A	Char	30	BIO17B6A Tube 8:Specify Problem Processing
165	BIO17C	Num	8	BIO17C Tube 8: Number of aliquots
166	BIO17D	Num	8	BIO17D Tube 8: Volume in last four aliquots
167	BIO17E	Num	8	BIO17E Tube 8: Freezer box number
168	BIO17F	Char	5	BIO17F Tube 8: Time aliquots placed in freezer
169	BIO17F_AMPM	Char	1	BIO17F_AMPM Tube 8:Freezer AM/PM
170	BIO18B	Char	5	BIO18B Tube 9: Time placed in freezer
171	BIO18B_AMPM	Char	1	BIO18B_AMPM Tube 9:Freezer AM/PM
172	BIO18C	Char	1	BIO18C Tube 9: Problems processing?
173	BIO18C1	Num	8	BIO18C1 Tube 9: Broken tube
174	BIO18C2	Num	8	BIO18C2 Tube 9: Sample re-centrifuged
175	BIO18C3	Num	8	BIO18C3 Tube 9: Clotted
176	BIO18C4	Num	8	BIO18C4 Tube 9: Hemolyzed
177	BIO18C5	Num	8	BIO18C5 Tube 9: Lipemic
178	BIO18C6	Num	8	BIO18C6 Tube 9: Other
179	BIO18C6A	Char	30	BIO18C6A Tube 9:Specify Problem Processing
180	BIO18D	Num	8	BIO18D Tube 9: Freezer box number
181	BIO19	Char	1	BIO19 Urine sample collected
182	BIO21	Char	5	BIO21 Time urine sample collected
183	BIO21_AMPM	Char	1	BIO21_AMPM urine sample collected AM/PM
184	BIO22	Char	5	BIO22 Time urine sample processed
185	BIO22_AMPM	Char	1	BIO22 AMPM urine sample processed AM/PM
186	BIO23	Num	8	BIO23 Number of aliquots with preservative:
187	BIO24	Num	8	BIO24 Number of aliquots without preservative:
188	BIO25	Char	1	BIO25 Able to become pregnant?
189	BIO26	Char	1	BIO26 Pregnancy test requested?
190	BIO26A	Char	1	BIO26A Pregnant?
191	BIO24A	Char	5	BIO24A Time urine sample entered freezer
192	BIO24A_AMPM	Char	1	BIO24A_AMPM
193	VERSION	Char	21	Version

Num	Variable	Type	Len	Label
194	BIO0A_DAYS	Num	8	Form Date - Days from enrollment
195	BIO03_DAYS	Num	8	BIO03 Date of blood collection - Days from enrollment
196	BIO18A_DAYS	Num	8	BIO18A Tube 9: Date placed in freezer - Days from enrollment
197	BIO20_DAYS	Num	8	BIO20 Date of urine sample: - Days from enrollment

Data Set Name: v4_bpf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BPF01	Char	1	BPF01 Right arm blood pressure
5	BPF02	Num	8	BPF02 Arm circumference
6	BPF03	Char	1	BPF03 Cuff size
7	BPF04	Num	8	BPF04 Respiration Rate
8	BPF05	Char	5	BPF05 Time first blood pressure taken
9	BPF05_AMPM	Char	1	BPF05_AMPM first bp measurement AM/PM
10	BPF05A	Num	8	BPF05A First Systolic
11	BPF05B	Num	8	BPF05B First Diastolic
12	BPF05C	Num	8	BPF05C First Heart Rate
13	BPF06	Char	5	BPF06 Time second blood pressure taken:
14	BPF06_AMPM	Char	1	BPF06_AMPM second BP measurement AM/PM
15	BPF06A	Num	8	BPF05A Second Systolic
16	BPF06B	Num	8	BPF05B Second Diastolic
17	BPF06C	Num	8	BPF05C Second Heart Rate
18	BPF07	Char	5	BPF07 Time third blood pressure taken:
19	BPF07_AMPM	Char	1	BPF07_AMPM third BP measurement AM/PM
20	BPF07A	Num	8	BPF05A Third Systolic
21	BPF07B	Num	8	BPF05B Third Diastolic
22	BPF07C	Num	8	BPF05C Third Heart Rate
23	BPF08A	Num	8	BPF08A Average Systolic
24	BPF08B	Num	8	BPF08B Average Diastolic
25	BPF08C	Num	8	BPF08C Average Heart Rate
26	VERSION	Char	21	Version
27	BPF0A_DAYS	Num	8	BPF0A Form Date - Days from enrollment

Data Set Name: v4_bsq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	BSQ01	Char	1	BSQ01 Snore
5	BSQ02	Num	8	BSQ02 Describe snore
6	BSQ03	Num	8	BSQ03 Snoring frequency
7	BSQ04	Char	1	BSQ04 Bothersome snoring
8	BSQ05	Num	8	BSQ05 Breathing during sleep
9	BSQ06	Char	1	BSQ06 Fatigue after sleep
10	BSQ07	Char	1	BSQ07 Fatigue during waking time
11	BSQ08	Char	1	BSQ08 Fatigue while driving
12	BSQ09	Char	1	BSQ09 Frequency of fatigue while driving
13	BSQ10	Char	1	BSQ10 High blood pressure
14	VERSION	Char	21	Version
15	BSQ_APNEARISK04	Char	5	Year 3 Berlin Sleep apnea risk
16	BSQ0A_DAYS	Num	8	FORM Date - Days from enrollment

Data Set Name: v4_cat_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	CAT01	Char	1	CAT01 Never cough
5	CAT02	Char	1	CAT02 No phlegm
6	CAT03	Char	1	CAT03 No chest tightness
7	CAT04	Char	1	CAT04 Not out of breath
8	CAT05	Char	1	CAT05 Not limited at home
9	CAT06	Char	1	CAT06 Confidence leaving home
10	CAT07	Char	1	CAT07 Sound sleeping
11	CAT08	Char	1	CAT08 Energy level
12	VERSION	Char	21	Version
13	CAT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_dem_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	DEM01A	Num	8	DEM01A Age
5	DEM02	Char	2	DEM02 Highest grade completed
6	DEM03	Char	1	DEM03 Marital status
7	DEM04	Char	1	DEM04 Total yearly household income
8	VERSION	Char	21	Version
9	DEM0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_derv_cbc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	CBC03_DERV	Num	8	3) Total red blood cells
5	CBC04_DERV	Num	8	4) Hemoglobin
6	CBC05_DERV	Num	8	5) Hemacrit
7	CBC06_DERV	Num	8	6) Mean corpuscular volume
8	CBC07_DERV	Num	8	7) Red blood cell distribution width
9	CBC08_DERV	Num	8	8) Total white blood cells
10	CBC09_DERV	Num	8	9) Neutrophil granulocyte
11	CBC10_DERV	Num	8	10) Lymphocytes
12	CBC11_DERV	Num	8	11) Monocytes
13	CBC12_DERV	Num	8	12) Eosinophil granuloctyes
14	CBC13_DERV	Num	8	13) Basophil granuloctyes
15	CBC14_DERV	Num	8	14) Platelet Count
16	CBC15_DERV	Num	8	15) Mean Platelet Volume
17	CBC16_DERV	Char	2000	16) Comments:
18	CBC09A_DERV	Num	8	9a) Neutrophil granulocyte %
19	CBC10A_DERV	Num	8	10a) Lymphocyte %
20	CBC11A_DERV	Num	8	11a) Monocyte %
21	CBC12A_DERV	Num	8	12a) Eosinophil granuloctye %
22	CBC13A_DERV	Num	8	13a) Basophil granuloctye %
23	VERSION	Char	21	Version
24	CBC0A_DERV_DAYS	Num	8	Form Date - Days from enrollment
25	CBC01_DERV_DAYS	Num	8	Form Date - Days from enrollment
26	CBC02_DERV_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_derv_post_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFV01	Char	9	study_id
5	PFV10	Char	15	Position
6	PFV12	Num	8	visit_num
7	PFV13	Num	8	interval_num
8	PFV14	Num	8	stage_num
9	PFV15	Num	8	seq_num
10	PFV16	Char	15	vlabel
11	PFV17	Num	8	repeats
12	PFV22B	Char	8	time
13	PFV23B	Char	8	time_best
14	PFV24B	Char	8	time_first
15	PFV27	Num	8	temperature
16	PFV28	Num	8	barometric
17	PFV29	Num	8	humidity
18	VERSION	Char	21	Version
19	PFV31_DERV	Num	8	Fvcpd_derv
20	PFV36_DERV	Num	8	Pctfvc_derv
21	PFV40_DERV	Num	8	Fvc_derv
22	PFV41	Num	8	flag_fvc_best
23	PFV49_DERV	Num	8	Fev3_derv
24	PFV51_DERV	Num	8	Fev6_derv
25	PFV68_DERV	Num	8	Expt_derv
26	PFV71_DERV	Num	8	Fivc_derv
27	PFV72_DERV	Num	8	Fiv05_derv
28	PFV73_DERV	Num	8	Fiv05fivc_derv
29	PFV74_DERV	Num	8	Fiv1_derv
30	PFV75_DERV	Num	8	Fiv1fivc_derv
31	PFV76_DERV	Num	8	Fiv3_derv
32	PFV78_DERV	Num	8	Fif212_derv
33	PFV79_DERV	Num	8	Fif2575_derv
34	PFV80_DERV	Num	8	Mit_derv
35	PFV30_DERV	Num	8	Fevpd_derv
36	PFV35_DERV	Num	8	Pctfev_derv
37	PFV43_DERV	Num	8	Fev05_derv

Num	Variable	Type	Len	Label
38	PFV45_DERV	Num	8	Fev1_derv
39	PFV46	Num	8	flag_fev_best
40	PFV66_DERV	Num	8	Vext_derv
41	PFV67_DERV	Num	8	Pctvext_derv
42	PFV69_DERV	Num	8	RVSPCA_derv
43	PFV70_DERV	Num	8	Fevdiff_derv
44	PFV33_DERV	Num	8	Fev1_fvcpd_derv
45	PFV39_DERV	Num	8	Pctfev_fvc_derv
46	PFV44_DERV	Num	8	Fev05fvc_derv
47	PFV47_DERV	Num	8	Fev1fvc_derv
48	PFV48	Num	8	flag_fevfvc_best
49	PFV50_DERV	Num	8	Fev3fvc_derv
50	PFV32_DERV	Num	8	Fefpd_derv
51	PFV37_DERV	Num	8	Pctfef2575_derv
52	PFV52_DERV	Num	8	Fef212_derv
53	PFV53_DERV	Num	8	Fef2575_derv
54	PFV54	Num	8	flag_fef2575_best
55	PFV55_DERV	Num	8	Fef25756_derv
56	PFV56_DERV	Num	8	Fef25_derv
57	PFV57_DERV	Num	8	Fef50_derv
58	PFV58_DERV	Num	8	Fef506_derv
59	PFV59_DERV	Num	8	Fef75_derv
60	PFV60_DERV	Num	8	Fef756_derv
61	PFV61_DERV	Num	8	Fef7585_derv
62	PFV64_DERV	Num	8	Met_derv
63	PFV34_DERV	Num	8	Pefpd_derv
64	PFV38_DERV	Num	8	Pctpefr_derv
65	PFV62_DERV	Num	8	Pefr_derv
66	PFV63	Num	8	flag_pefr_best
67	PFV65_DERV	Num	8	Peft_derv
68	PFV77_DERV	Num	8	Pifr_derv
69	POST_FEV1FVC_DERV	Num	8	post_BD derived FEV1 FVC ratio using best FEV1 and FVC value
70	PFV22A_DAYS	Num	8	Date - Days from enrollment
71	PFV23A_DAYS	Num	8	Date best - Days from enrollment
72	PFV24A_DAYS	Num	8	Date first - Days from enrollment
73	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v4_derv_post_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PSV01	Char	9	study_id
5	PSV10	Char	15	position
6	PSV12	Num	8	visit_num
7	PSV13	Char	15	interval_num
8	PSV14	Num	8	stage_num
9	PSV15	Num	8	seq_num
10	PSV16	Char	5	vlabel
11	PSV17	Num	8	repeats
12	PSV19	Char	15	qa_grade
13	PSV20	Char	15	qa_status
14	PSV23B	Char	8	time_best
15	PSV24B	Char	8	time_first
16	PSV28	Num	8	temperature
17	PSV29	Num	8	barometric
18	PSV30	Num	8	humidity
19	PSV32	Char	5	tom
20	VERSION	Char	21	Version
21	PSV33_DERV	Num	8	Svc_derv
22	PSV34_DERV	Num	8	Svcpd_derv
23	PSV35_DERV	Num	8	Pctsvc_derv
24	PSV36	Num	8	flag_svc_best
25	PSV37_DERV	Num	8	IC_derv
26	PSV38_DERV	Num	8	IRV_derv
27	PSV39_DERV	Num	8	ERV_derv
28	PSV40_DERV	Num	8	TV_derv
29	PSV22A_DAYS	Num	8	Date - Days from enrollment
30	PSV23A_DAYS	Num	8	Date best - Days from enrollment
31	PSV24A_DAYS	Num	8	Date first - Days from enrollment
32	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v4_derv_pre_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFV01	Char	9	study_id
5	SFV10	Char	15	Position
6	SFV12	Num	8	visit_num
7	SFV13	Num	8	interval_num
8	SFV14	Num	8	stage_num
9	SFV15	Num	8	seq_num
10	SFV16	Char	10	vlabel
11	SFV17	Num	8	repeats
12	SFV22B	Char	8	time
13	SFV23B	Char	8	time_best
14	SFV24B	Char	8	time_first
15	SFV27	Num	8	temperature
16	SFV28	Num	8	barometric
17	SFV29	Num	8	humidity
18	VERSION	Char	21	Version
19	SFV31_DERV	Num	8	Fvcpd_derv
20	SFV36_DERV	Num	8	Pctfvc_derv
21	SFV40_DERV	Num	8	Fvc_derv
22	SFV41	Num	8	flag_fvc_best
23	SFV49_DERV	Num	8	Fev3_derv
24	SFV51_DERV	Num	8	Fev6_derv
25	SFV68_DERV	Num	8	Expt_derv
26	SFV71_DERV	Num	8	Fivc_derv
27	SFV72_DERV	Num	8	Fiv05_derv
28	SFV73_DERV	Num	8	Fiv05fivc_derv
29	SFV74_DERV	Num	8	Fiv1_derv
30	SFV75_DERV	Num	8	Fiv1fivc_derv
31	SFV76_DERV	Num	8	Fiv3_derv
32	SFV78_DERV	Num	8	Fif212_derv
33	SFV79_DERV	Num	8	Fif2575_derv
34	SFV80_DERV	Num	8	Mit_derv
35	SFV30_DERV	Num	8	Fevpd_derv
36	SFV35_DERV	Num	8	Pctfev_derv
37	SFV43_DERV	Num	8	Fev05_derv

Num	Variable	Type	Len	Label
38	SFV45_DERV	Num	8	Fev1_derv
39	SFV46	Num	8	flag_fev_best
40	SFV66_DERV	Num	8	Vext_derv
41	SFV67_DERV	Num	8	Pctvext_derv
42	SFV33_DERV	Num	8	Fev1_fvcpd_derv
43	SFV39_DERV	Num	8	Pctfev_fvc_derv
44	SFV44_DERV	Num	8	Fev05fvc_derv
45	SFV47_DERV	Num	8	Fev1fvc_derv
46	SFV48	Num	8	flag_fevfvc_best
47	SFV50_DERV	Num	8	Fev3fvc_derv
48	SFV32_DERV	Num	8	Fefpd_derv
49	SFV37_DERV	Num	8	Pctfef2575_derv
50	SFV52_DERV	Num	8	Fef212_derv
51	SFV53_DERV	Num	8	Fef2575_derv
52	SFV54	Num	8	flag_fef2575_best
53	SFV55_DERV	Num	8	Fef25756_derv
54	SFV56_DERV	Num	8	Fef25_derv
55	SFV57_DERV	Num	8	Fef50_derv
56	SFV58_DERV	Num	8	Fef506_derv
57	SFV59_DERV	Num	8	Fef75_derv
58	SFV60_DERV	Num	8	Fef756_derv
59	SFV61_DERV	Num	8	Fef7585_derv
60	SFV64_DERV	Num	8	Met_derv
61	SFV34_DERV	Num	8	Pefpd_derv
62	SFV38_DERV	Num	8	Pctpefr_derv
63	SFV62_DERV	Num	8	Pefr_derv
64	SFV63	Num	8	flag_pefr_best
65	SFV65_DERV	Num	8	Peft_derv
66	SFV77_DERV	Num	8	Pifr_derv
67	PRE_FEV1FVC_DERV	Num	8	pre-BD derived FEV1 FVC ratio using best FEV1 and FVC value
68	SFV22A_DAYS	Num	8	Date - Days from enrollment
69	SFV23A_DAYS	Num	8	Date best - Days from enrollment
70	SFV24A_DAYS	Num	8	Date first - Days from enrollment
71	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v4_derv_pre_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	FORM	Char	10	Form
2	VISIT	Char	10	Visit
3	SSV01	Char	9	study_id
4	SSV10	Char	15	position
5	SSV12	Num	8	visit_num
6	SSV13	Num	8	interval_num
7	SSV14	Num	8	stage_num
8	SSV15	Num	8	seq_num
9	SSV16	Char	5	vlabel
10	SSV17	Num	8	repeats
11	SSV19	Char	15	qa_grade
12	SSV20	Char	15	qa_status
13	SSV23B	Char	8	time_best
14	SSV28	Num	8	temperature
15	SSV29	Num	8	barometric
16	SSV30	Num	8	humidity
17	SSV31	Num	8	pre_washout_1
18	VERSION	Char	21	Version
19	SSV33_DERV	Num	8	Svc_derv
20	SSV34_DERV	Num	8	Svcpd_derv
21	SSV35_DERV	Num	8	Pctsvc_derv
22	SSV36	Num	8	flag_svc_best
23	SSV37_DERV	Num	8	IC_derv
24	SSV38_DERV	Num	8	IRV_derv
25	SSV39_DERV	Num	8	ERV_derv
26	SSV40_DERV	Num	8	TV_derv
27	SSV22A_DAYS	Num	8	Date - Days from enrollment
28	SSV23A_DAYS	Num	8	Date best - Days from enrollment
29	SSV24A_DAYS	Num	8	Date first - Days from enrollment
30	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment
31	subjectid	Char	9	dbgapid

Data Set Name: v4_eca_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ECA1	Char	1	1. Have you ever used an electronic cigarette or eCigarette?
5	ECA3A	Char	1	3a. Usually were the eCigarettes you smoke/smoked with flavorings?
6	ECA3B	Char	1	3b. If yes, what flavor was it?
7	ECA4	Char	1	4. Do you still smoke eCigarettes?
8	ECA5A	Char	1	5a. Do you still smoke regular tobacco cigarettes?
9	ECA5B	Num	8	5b. If Yes, how many regular cigarettes do you smoke a day:
10	ECA5C	Char	1	5c. Has your use of eCigarettes decreased the number of regular cigarettes you smoke each day?
11	ECA5C1	Num	8	5c1. If Yes, about how many fewer cigarettes do you now smoke?
12	ECA6	Char	1	6. How often do you smoke eCigarettes?
13	ECA7	Char	1	7. When did you last smoke an eCigarette?
14	ECA8	Num	8	8. In the last 24 hours, how many times have you smoked an eCigarette?
15	ECA9A	Char	1	9a. What brand of eCigarette do you now smoke?
16	ECA9B	Char	100	9b. Specify:
17	ECA10A	Char	1	10a. What cartridge size do you use most often with your eCigarettes?
18	ECA11	Num	8	11. In one week, how many eCigarette cartridges do you use?
19	ECA12	Char	1	12. Did you start smoking eCigarettes because you wanted to cut down or stop smoking regular cigarettes?
20	ECA13	Char	1	13. Did you start smoking eCigarettes because you wanted to improve your health?
21	ECA14A	Num	8	how long did you smoke eCigarettes days
22	ECA14B	Num	8	how long did you smoke eCigarettes months
23	ECA14C	Num	8	how long did you smoke eCigarettes years
24	ECA15A	Num	8	how long has it been since you smoked eCigarettes days
25	ECA15B	Num	8	how long has it been since you smoked eCigarettes months
26	ECA15C	Num	8	how long has it been since you smoked eCigarettes years
27	ECA16	Char	1	16. When did you did smoke eCigarettes, how often did you smoke eCigarettes?
28	ECA17	Char	1	17. What brand of eCigarette did you usually smoke?
29	ECA17A	Char	100	17a. Specify:
30	ECA18A	Char	1	18a. What size cartridge did you use most often with your eCigarettes?
31	ECA19	Num	8	19. On average, in one week, how many eCigarette cartridges did you use?
32	VERSION	Char	21	Version
33	ECA0A_DAYS	Num	8	Form Date - Days from enrollment
34	ECA2_DAYS	Num	8	Date first started smoking eCigarettes - Days from enrollment

Data Set Name: v4_ecf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ECF0C	Char	1	0c. Has this participant previously completed the ECA - eCigarette Use Assessment form?
5	ECF1	Char	1	1. Have you used electronic cigarettes or eCigarettes since your last visit?
6	ECF3A	Char	1	3a. Usually were the eCigarettes you smoke/smoked with flavorings?
7	ECF3B	Char	1	3b. If yes, what flavor was it?
8	ECF4	Char	1	4. Do you still smoke eCigarettes?
9	ECF5A	Char	1	5a. Do you still smoke regular tobacco cigarettes?
10	ECF5B	Num	8	5b. If Yes, how many regular cigarettes do you smoke a day:
11	ECF5C	Char	1	5c. Has your use of eCigarettes decreased the number of regular cigarettes you smoke each day?
12	ECF5C1	Num	8	5c1. If Yes, about how many fewer cigarettes do you now smoke?
13	ECF6	Char	1	6. How often do you smoke eCigarettes?
14	ECF7	Char	1	7. When did you last smoke an eCigarette?
15	ECF8	Num	8	8. In the last 24 hours, how many times have you smoked an eCigarette?
16	ECF9A	Char	1	9a. What brand of eCigarette do you now smoke?
17	ECF9B	Char	100	9b. Specify:
18	ECF10A	Char	1	10a. What cartridge size do you use most often with your eCigarettes?
19	ECF11	Num	8	11. In one week, how many eCigarette cartridges do you use?
20	ECF12	Char	1	12. Did you start smoking eCigarettes because you wanted to cut down or stop smoking regular cigarettes?
21	ECF13	Char	1	13. Did you start smoking eCigarettes because you wanted to improve your health?
22	ECF14A	Num	8	how long did you smoke eCigarettes days
23	ECF14B	Num	8	how long did you smoke eCigarettes months
24	ECF14C	Num	8	how long did you smoke eCigarettes years
25	ECF15A	Num	8	how long has it been since you smoked eCigarettes days
26	ECF15B	Num	8	how long has it been since you smoked eCigarettes months
27	ECF15C	Num	8	how long has it been since you smoked eCigarettes years
28	ECF16	Char	1	16. When did you did smoke eCigarettes, how often did you smoke eCigarettes?
29	ECF17	Char	1	17. What brand of eCigarette did you usually smoke?
30	ECF17A	Char	100	17a. Specify:
31	ECF18A	Char	1	18a. What size cartridge did you use most often with your eCigarettes?
32	ECF19	Num	8	19. On average, in one week, how many eCigarette cartridges did you use?
33	VERSION	Char	21	Version
34	ECF0A_DAYS	Num	8	Form Date - Days from enrollment
35	ECF2_DAYS	Num	8	Date first started smoking eCigarettes - Days from enrollment

Data Set Name: v4_eha_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	EHA1	Char	1	1. Has your employment status changed in the last 12 months? (If 'No' or 'No Answer', go to item 18.)
5	EHA2	Char	1	2. How has your employment situation changed in the last 12 months? Have you (Please read all options before recording answer):
6	EHA7	Num	8	7. On average, how many hours per week do you work?
7	EHA8	Char	1	8. Does your current job expose you to vapors, gas, dust or fumes?
8	EHA9	Char	1	9. Did you leave your last job because of breathing or lung problems?
9	EHA10	Char	1	10. Did your last job expose you to vapors, gas, dust or fumes?
10	EHA11	Char	1	11. Are you no longer working at your last job at least in part to avoid the things that caused you difficulty breathing, such as air quality, temperature, or physical exertion?
11	EHA12	Char	1	12. Thinking back to when you were last employed, did you stop working, at least in part, because of missed time due to illness?
12	EHA13A	Char	1	13a. in a cotton, flax or hemp mill?
13	EHA13A1	Num	8	13a1. How many years?
14	EHA13B	Char	1	13b. in a foundry?
15	EHA13B1	Num	8	13b1. How many years?
16	EHA13C	Char	1	13c. in a glass works?
17	EHA13C1	Num	8	13c1. How many years?
18	EHA13D	Char	1	13d. in a mine?
19	EHA13D1	Num	8	13d1. How many years?
20	EHA13E	Char	1	13e. in a pottery?
21	EHA13E1	Num	8	13e1. How many years?
22	EHA13F	Char	1	13f. in a power plant?
23	EHA13F1	Num	8	13f1. How many years?
24	EHA13G	Char	1	13g. in a quarry?
25	EHA13G1	Num	8	13g1. How many years?
26	EHA13H	Char	1	13h. in a refinery?
27	EHA13H1	Num	8	13h1. How many years?
28	EHA13I	Char	1	13i. or with asbestos?
29	EHA13I1	Num	8	13i1. How many years?
30	EHA13J	Char	1	13j. in synthetic fibers or fabric manufacturing?
31	EHA13J1	Num	8	13j1. How many years?
32	EHA13K	Char	1	13k. in a paper mill?
33	EHA13K1	Num	8	13k1. How many years?
34	EHA13L	Char	1	13l. in building or highway construction?
35	EHA13L1	Num	8	13l1. How many years?

Num	Variable	Type	Len	Label
36	EHA13M	Char	1	13m. in an aluminum factory?
37	EHA13M1	Num	8	13m1. How many years?
38	EHA13N	Char	1	13n. in a rubber tire plant?
39	EHA13N1	Num	8	13n1. How many years?
40	EHA13O	Char	1	13o. in HVAC?
41	EHA13O1	Num	8	13o1. How many years?
42	EHA13P	Char	1	13p. in demolition?
43	EHA13P1	Num	8	13p1. How many years?
44	EHA13Q	Char	1	13q. in remodeling?
45	EHA13Q1	Num	8	13q1. How many years?
46	EHA13R	Char	1	13r. in professional cleaning?
47	EHA13R1	Num	8	13r1. How many years?
48	EHA13S	Char	1	13s. in beauty care?
49	EHA13S1	Num	8	13s1. How many years?
50	EHA13T	Char	1	13t. in agriculture?
51	EHA13T1	Num	8	13t1. How many years?
52	EHA13U	Char	1	13u. in the flooring industry?
53	EHA13U1	Num	8	13u1. How many years?
54	EHA14A	Char	1	14a. a boilermaker?
55	EHA14A1	Num	8	14a1. How many years?
56	EHA14B	Char	1	14b. a carpenter?
57	EHA14B1	Num	8	14b1. How many years?
58	EHA14C	Char	1	14c. a chemical worker?
59	EHA14C1	Num	8	14c1. How many years?
60	EHA14D	Char	1	14d. an electrician?
61	EHA14D1	Num	8	14d1. How many years?
62	EHA14E	Char	1	14e. an elevator operator?
63	EHA14E1	Num	8	14e1. How many years?
64	EHA14F	Char	1	14f. an insulator?
65	EHA14F1	Num	8	14f1. How many years?
66	EHA14G	Char	1	14g. a lather?
67	EHA14G1	Num	8	14g1. How many years?
68	EHA14H	Char	1	14h. a machinist?
69	EHA14H1	Num	8	14h1. How many years?
70	EHA14I	Char	1	14i. a mechanic?
71	EHA14I1	Num	8	14i1. How many years?
72	EHA14J	Char	1	14j. a millwright?
73	EHA14J1	Num	8	14j1. How many years?
74	EHA14K	Char	1	14k. a pipefitter?

Num	Variable	Type	Len	Label
75	EHA14K1	Num	8	14k1. How many years?
76	EHA14L	Char	1	14l. a plasterer?
77	EHA14L1	Num	8	14l1. How many years?
78	EHA14M	Char	1	14m. a plumber?
79	EHA14M1	Num	8	14m1. How many years?
80	EHA14N	Char	1	14n. a sander?
81	EHA14N1	Num	8	14n1. How many years?
82	EHA14O	Char	1	14o. a sheet metal worker?
83	EHA14O1	Num	8	14o1. How many years?
84	EHA14P	Char	1	14p. a steelworker?
85	EHA14P1	Num	8	14p1. How many years?
86	EHA14Q	Char	1	14q. a welder?
87	EHA14Q1	Num	8	14q1. How many years?
88	EHA14R	Char	1	14r. a pig farmer?
89	EHA14R1	Num	8	14r1. How many years?
90	EHA14S	Char	1	14s. a rigger?
91	EHA14S1	Num	8	14s1. How many years?
92	EHA14T	Char	1	14t. a roofer?
93	EHA14T1	Num	8	14t1. How many years?
94	EHA14U	Char	1	14u. a painter?
95	EHA14U1	Num	8	14u1. How many years?
96	EHA14V	Char	1	14v. a mason?
97	EHA14V1	Num	8	14v1. How many years?
98	EHA15A	Char	1	15a. Irritant gases, such as chlorine or ammonia?
99	EHA15A1	Num	8	15a1. How many years?
100	EHA15B	Char	1	15b. Fire, smoke or other combustion products?
101	EHA15B1	Num	8	15b1. How many years?
102	EHA15C	Char	1	15c. Incinerators, boilers, or oil refineries?
103	EHA15C1	Num	8	15c1. How many years?
104	EHA15D	Char	1	15d. Coal dust or powder?
105	EHA15D1	Num	8	15d1. How many years?
106	EHA15E	Char	1	15e. Silica or sand, or concrete or cement dust?
107	EHA15E1	Num	8	15e1. How many years?
108	EHA15F	Char	1	15f. Indoor fuel powered motors, compressors, or engines?
109	EHA15F1	Num	8	15f1. How many years?
110	EHA15G	Char	1	15g. Diesel engine exhaust?
111	EHA15G1	Num	8	15g1. How many years?
112	EHA15H	Char	1	15h. Wheat flour or other grain dusts?
113	EHA15H1	Num	8	15h1. How many years?

Num	Variable	Type	Len	Label
114	EHA15I	Char	1	15i. Animal feeds or fodder?
115	EHA15I1	Num	8	15i1. How many years?
116	EHA15J	Char	1	15j. Cotton dust or cotton processing?
117	EHA15J1	Num	8	15j1. How many years?
118	EHA15K	Char	1	15k. Wood dust or saw dust?
119	EHA15K1	Num	8	15k1. How many years?
120	EHA15L	Char	1	15l. Cadmium fumes or batteries or sliver solder?
121	EHA15L1	Num	8	15l1. How many years?
122	EHA15M	Char	1	15m. Other metal dusts or metal fumes?
123	EHA15M1	Num	8	15m1. How many years?
124	EHA15N	Char	1	15n. Welding or flame cutting?
125	EHA15N1	Num	8	15n1. How many years?
126	EHA15O	Char	1	15o. Fiberglass or other man-made mineral fibers?
127	EHA15O1	Num	8	15o1. How many years?
128	EHA15P	Char	1	15p. Explosives or blasting fumes?
129	EHA15P1	Num	8	15p1. How many years?
130	EHA16	Char	1	16. What type of mine was it?
131	EHA16A	Char	50	16a. Specify:
132	EHA17	Char	1	17. What was mined?
133	EHA17A	Char	50	17a. Specify:
134	EHA18A	Char	1	18a. in a cotton, flax or hemp mill?
135	EHA18A1	Num	8	18a1. How many years?
136	EHA18B	Char	1	18b. in a foundry?
137	EHA18B1	Num	8	18b1. How many years?
138	EHA18C	Char	1	18c. in a glass works?
139	EHA18C1	Num	8	18c1. How many years?
140	EHA18D	Char	1	18d. in a mine?
141	EHA18D1	Num	8	18d1. How many years?
142	EHA18E	Char	1	18e. in a pottery?
143	EHA18E1	Num	8	18e1. How many years?
144	EHA18F	Char	1	18f. in a power plant?
145	EHA18F1	Num	8	18f1. How many years?
146	EHA18G	Char	1	18g. in a quarry?
147	EHA18G1	Num	8	18g1. How many years?
148	EHA18H	Char	1	18h. in a refinery?
149	EHA18H1	Num	8	18h1. How many years?
150	EHA18I	Char	1	18i. or with asbestos?
151	EHA18I1	Num	8	18i1. How many years?
152	EHA18J	Char	1	18j. in synthetic fibers or fabric manufacturing?

Num	Variable	Type	Len	Label
153	EHA18J1	Num	8	18j1. How many years?
154	EHA18K	Char	1	18k. in a paper mill?
155	EHA18K1	Num	8	18k1. How many years?
156	EHA18L	Char	1	18l. in building or highway construction?
157	EHA18L1	Num	8	18l1. How many years?
158	EHA18M	Char	1	18m. in an aluminum factory?
159	EHA18M1	Num	8	18m1. How many years?
160	EHA18N	Char	1	18n. in a rubber tire plant?
161	EHA18N1	Num	8	18n1. How many years?
162	EHA18O	Char	1	18o. in HVAC?
163	EHA18O1	Num	8	18o1. How many years?
164	EHA18P	Char	1	18p. in demolition?
165	EHA18P1	Num	8	18p1. How many years?
166	EHA18Q	Char	1	18q. in remodeling?
167	EHA18Q1	Num	8	18q1. How many years?
168	EHA18R	Char	1	18r. in professional cleaning?
169	EHA18R1	Num	8	18r1. How many years?
170	EHA18S	Char	1	18s. in beauty care?
171	EHA18S1	Num	8	18s1. How many years?
172	EHA18T	Char	1	18t. in agriculture?
173	EHA18T1	Num	8	18t1. How many years?
174	EHA18U	Char	1	18u. in the flooring industry?
175	EHA18U1	Num	8	18u1. How many years?
176	EHA19A	Char	1	19a. a boilermaker?
177	EHA19A1	Num	8	19a1. How many years?
178	EHA19B	Char	1	19b. a carpenter?
179	EHA19B1	Num	8	19b1. How many years?
180	EHA19C	Char	1	19c. a chemical worker?
181	EHA19C1	Num	8	19c1. How many years?
182	EHA19D	Char	1	19d. an electrician?
183	EHA19D1	Num	8	19d1. How many years?
184	EHA19E	Char	1	19e. an elevator operator?
185	EHA19E1	Num	8	19e1. How many years?
186	EHA19F	Char	1	19f. an insulator?
187	EHA19F1	Num	8	19f1. How many years?
188	EHA19G	Char	1	19g. a lather?
189	EHA19G1	Num	8	19g1. How many years?
190	EHA19H	Char	1	19h. a machinist?
191	EHA19H1	Num	8	19h1. How many years?

Num	Variable	Type	Len	Label
192	EHA19I	Char	1	19i. a mechanic?
193	EHA19I1	Num	8	19i1. How many years?
194	EHA19J	Char	1	19j. a millwright?
195	EHA19J1	Num	8	19j1. How many years?
196	EHA19K	Char	1	19k. a pipefitter?
197	EHA19K1	Num	8	19k1. How many years?
198	EHA19L	Char	1	19l. a plasterer?
199	EHA19L1	Num	8	19l1. How many years?
200	EHA19M	Char	1	19m. a plumber?
201	EHA19M1	Num	8	19m1. How many years?
202	EHA19N	Char	1	19n. a sander?
203	EHA19N1	Num	8	19n1. How many years?
204	EHA19O	Char	1	19o. a sheet metal worker?
205	EHA19O1	Num	8	19o1. How many years?
206	EHA19P	Char	1	19p. a steelworker?
207	EHA19P1	Num	8	19p1. How many years?
208	EHA19Q	Char	1	19q. a welder?
209	EHA19Q1	Num	8	19q1. How many years?
210	EHA19R	Char	1	19r. a pig farmer?
211	EHA19R1	Num	8	19r1. How many years?
212	EHA19S	Char	1	19s. a rigger?
213	EHA19S1	Num	8	19s1. How many years?
214	EHA19T	Char	1	19t. a roofer?
215	EHA19T1	Num	8	19t1. How many years?
216	EHA19U	Char	1	19u. a painter?
217	EHA19U1	Num	8	19u1. How many years?
218	EHA19V	Char	1	19v. a mason?
219	EHA19V1	Num	8	19v1. How many years?
220	EHA20A	Char	1	20a. Irritant gases, such as chlorine or ammonia?
221	EHA20A1	Num	8	20a1. How many years?
222	EHA20B	Char	1	20b. Fire, smoke or other combustion products?
223	EHA20B1	Num	8	20b1. How many years?
224	EHA20C	Char	1	20c. Incinerators, boilers, or oil refineries?
225	EHA20C1	Num	8	20c1. How many years?
226	EHA20D	Char	1	20d. Coal dust or powder?
227	EHA20D1	Num	8	20d1. How many years?
228	EHA20E	Char	1	20e. Silica or sand, or concrete or cement dust?
229	EHA20E1	Num	8	20e1. How many years?
230	EHA20F	Char	1	20f. Indoor fuel powered motors, compressors, or engines?

Num	Variable	Type	Len	Label
231	EHA20F1	Num	8	20f1. How many years?
232	EHA20G	Char	1	20g. Diesel engine exhaust?
233	EHA20G1	Num	8	20g1. How many years?
234	EHA20H	Char	1	20h. Wheat flour or other grain dusts?
235	EHA20H1	Num	8	20h1. How many years?
236	EHA20I	Char	1	20i. Animal feeds or fodder?
237	EHA20I1	Num	8	20i1. How many years?
238	EHA20J	Char	1	20j. Cotton dust or cotton processing?
239	EHA20J1	Num	8	20j1. How many years?
240	EHA20K	Char	1	20k. Wood dust or saw dust?
241	EHA20K1	Num	8	20k1. How many years?
242	EHA20L	Char	1	20l. Cadmium fumes or batteries or sliver solder?
243	EHA20L1	Num	8	20l1. How many years?
244	EHA20M	Char	1	20m. Other metal dusts or metal fumes?
245	EHA20M1	Num	8	20m1. How many years?
246	EHA20N	Char	1	20n. Welding or flame cutting?
247	EHA20N1	Num	8	20n1. How many years?
248	EHA20O	Char	1	20o. Fiberglass or other man-made mineral fibers?
249	EHA20O1	Num	8	20o1. How many years?
250	EHA20P	Char	1	20p. Explosives or blasting fumes?
251	EHA20P1	Num	8	20p1. How many years?
252	EHA21	Char	1	21. What type of mine was it?
253	EHA22	Char	1	22. What was mined?
254	EHA22A	Char	50	22a. Specify:
255	EHA6M	Num	8	Month of 6. Approximately what date did you begin working in this job?
256	EHA6D	Num	8	Day of 6. Approximately what date did you begin working in this job?
257	EHA6Y	Num	8	Year of 6. Approximately what date did you begin working in this job?
258	VERSION	Char	21	Version
259	EHA0A_DAYS	Num	8	Form Date - Days from enrollment
260	EHA6_DAYS	Num	8	Approximately what date did you begin working in this job? - Days from enrollment

Data Set Name: v4_fct_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	FCT01	Char	1	FCT01 Lack of energy
5	FCT02	Char	1	FCT02 Nausea
6	FCT03	Char	1	FCT03 Physical limitations
7	FCT04	Char	1	FCT04 Pain
8	FCT05	Char	1	FCT05 Side effects of treatment
9	FCT06	Char	1	FCT06 Illness
10	FCT07	Char	1	FCT07 Forced time in bed
11	FCT08	Char	1	FCT08 Closeness to friends
12	FCT09	Char	1	FCT09 Emotional support from family
13	FCT10	Char	1	FCT10 Support from friends
14	FCT11	Char	1	FCT11 Family accepted illness
15	FCT12	Char	1	FCT12 Satisfied with communication
16	FCT13	Char	1	FCT13 Closeness to partner
17	FCT14	Num	8	FCT14 Answer or mark box
18	FCT15	Char	1	FCT15 Satisfaction with sex life
19	FCT16	Char	1	FCT16 Feeling sad
20	FCT17	Char	1	FCT17 Satisfaction with coping
21	FCT18	Char	1	FCT18 Loss of hope
22	FCT19	Char	1	FCT19 Feeling nervous
23	FCT20	Char	1	FCT20 Worries about death
24	FCT21	Char	1	FCT21 Worry about worsening condition
25	FCT22	Char	1	FCT22 Ability to work
26	FCT23	Char	1	FCT23 Fulfillment of work
27	FCT24	Char	1	FCT24 Ability to enjoy life
28	FCT25	Char	1	FCT25 Acceptance of illness
29	FCT26	Char	1	FCT26 Sleeping well
30	FCT27	Char	1	FCT27 Enjoyment of fun activities
31	FCT28	Char	1	FCT28 Content with quality of life
32	FCT29	Char	1	FCT29 Feeling fatigued
33	FCT30	Char	1	FCT30 Feeling weak
34	FCT31	Char	1	FCT31 Feeling listless
35	FCT32	Char	1	FCT32 Feeling tired
36	FCT33	Char	1	FCT33 Trouble starting things
37	FCT34	Char	1	FCT34 Trouble finishing things

Num	Variable	Type	Len	Label
38	FCT35	Char	1	FCT35 Energy
39	FCT36	Char	1	FCT36 Ability to do usual activities
40	FCT37	Char	1	FCT37 Need to sleep during day
41	FCT38	Char	1	FCT38 Too tired to eat
42	FCT39	Char	1	FCT39 Need helping with usual activities
43	FCT40	Char	1	FCT40 Frustrated with fatigue
44	FCT41	Char	1	FCT41 Fatigue limits social activities
45	VERSION	Char	21	Version
46	FACIT_PHYSICALWELLBEINGSCORE04	Num	8	Year 3 FACIT physical wellbeing score
47	FACIT_SOCIALWELLBEINGSCORE04	Num	8	Year 3 FACIT social wellbeing score
48	FACIT_EMOTIONALWELLBEINGSCORE04	Num	8	Year 3 FACIT emotional wellbeing score
49	FACIT_FUNCTIONALWELLBEINGSCORE04	Num	8	Year 3 FACIT functional wellbeing score
50	FACIT_FATIGUESCORE04	Num	8	Year 3 FACIT fatigue score
51	FACIT_FTRIALOUTCOMEINDEX04	Num	8	Year 3 FACIT F trial outcome index score
52	FACIT_GTOTALSCORE04	Num	8	Year 3 FACIT G total score
53	FACIT_FTOTALSCORE04	Num	8	Year 3 FACIT F total score
54	FCT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_hds_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	HDS01	Num	8	HDS01 Feeling tense
5	HDS02	Num	8	HDS02 Enjoyment
6	HDS03	Char	1	HDS03 Feeling fearful
7	HDS04	Char	1	HDS04 Sense of humor
8	HDS05	Num	8	HDS05 Worried thoughts
9	HDS06	Num	8	HDS06 Feeling cheerful
10	HDS07	Num	8	HDS07 Ability to relax
11	HDS08	Num	8	HDS08 Feeling slowed down
12	HDS09	Num	8	HDS09 Feeling frightened
13	HDS10	Num	8	HDS10 Lost interest in appearance
14	HDS11	Num	8	HDS11 Feeling restless
15	HDS12	Num	8	HDS12 Looking forward
16	HDS13	Num	8	HDS13 Sudden feelings of panic
17	HDS14	Num	8	HDS14 Ability to enjoy
18	VERSION	Char	21	Version
19	HDS_ANXIETYSCORE04	Num	8	Year 3 HDS Anxiety Score
20	HDS_DEPRESSIONSCORE04	Num	8	Year 3 HDS Depression Score
21	HDS0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_hef_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	FORM	Char	10	Form
2	VISIT	Char	10	Visit
3	HEF1	Char	1	1. Since your last (clinic visit or telephone contact) on (date), have you had a flare-up of your chest trouble?
4	HEF1A	Num	8	1a. How many episodes of chest trouble flare ups have you had since (date)?
5	HEF2A	Char	1	2a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
6	HEF2B	Char	1	2b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
7	HEF2C	Char	1	2c. Did you take additional antibiotics but without contacting a healthcare provider?
8	HEF2D	Char	1	2d. Did you take additional oral steroids but without contacting a healthcare provider?
9	HEF2E	Char	1	2e. Were you evaluated in a physician's office or urgent care?
10	HEF2E1	Num	8	2e1. An additional antibiotic
11	HEF2E2	Num	8	2e2. Additional steroids
12	HEF2E3	Num	8	2e3. Don't know
13	HEF2E4	Num	8	2e4. Don't remember
14	HEF2F	Char	1	2f. Were you evaluated in an Emergency Department?
15	HEF2F1	Num	8	2f1. An additional antibiotic
16	HEF2F2	Num	8	2f2. Additional steroids
17	HEF2F3	Num	8	2f3. Don't know
18	HEF2F4	Num	8	2f4. Don't remember
19	HEF2G	Char	1	2g. Were you admitted to the hospital?
20	HEF4	Char	1	4. (do not ask) Did the participant have a second episode?
21	HEF5A	Char	1	5a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
22	HEF5B	Char	1	5b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
23	HEF5C	Char	1	5c. Did you take additional antibiotics but without contacting a healthcare provider?
24	HEF5D	Char	1	5d. Did you take additional oral steroids but without contacting a healthcare provider?
25	HEF5E	Char	1	5e. Were you evaluated in a physician's office or urgent care?
26	HEF5E1	Num	8	5e1. An additional antibiotic
27	HEF5E2	Num	8	5e2. Additional steroids
28	HEF5E3	Num	8	5e3. Don't know
29	HEF5E4	Num	8	5e4. Don't remember
30	HEF5F	Char	1	5f. Were you evaluated in an Emergency Department?
31	HEF5F1	Num	8	5f1. An additional antibiotic
32	HEF5F2	Num	8	5f2. Additional steroids
33	HEF5F3	Num	8	5f3. Don't know
34	HEF5F4	Num	8	5f4. Don't remember

Num	Variable	Type	Len	Label
35	HEF5G	Char	1	5g. Were you admitted to the hospital?
36	HEF7	Char	1	7. (do not ask) Did the participant have a third episode?
37	HEF8A	Char	1	8a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
38	HEF8B	Char	1	8b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
39	HEF8C	Char	1	8c. Did you take additional antibiotics but without contacting a healthcare provider?
40	HEF8D	Char	1	8d. Did you take additional oral steroids but without contacting a healthcare provider?
41	HEF8E	Char	1	8e. Were you evaluated in a physician's office or urgent care?
42	HEF8E1	Num	8	8e1. An additional antibiotic
43	HEF8E2	Num	8	8e2. Additional steroids
44	HEF8E3	Num	8	8e3. Don't know
45	HEF8E4	Num	8	8e4. Don't remember
46	HEF8F	Char	1	8f. Were you evaluated in an Emergency Department?
47	HEF8F1	Num	8	8f1. An additional antibiotic
48	HEF8F2	Num	8	8f2. Additional steroids
49	HEF8F3	Num	8	8f3. Don't know
50	HEF8F4	Num	8	8f4. Don't remember
51	HEF8G	Char	1	8g. Were you admitted to the hospital?
52	HEF10	Char	1	10. (do not ask) Did the participant have a fourth episode?
53	HEF11A	Char	1	11a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
54	HEF11B	Char	1	11b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
55	HEF11C	Char	1	11c. Did you take additional antibiotics but without contacting a healthcare provider?
56	HEF11D	Char	1	11d. Did you take additional oral steroids but without contacting a healthcare provider?
57	HEF11E	Char	1	11e. Were you evaluated in a physician's office or urgent care?
58	HEF11E1	Num	8	11e1. An additional antibiotic
59	HEF11E2	Num	8	11e2. Additional steroids
60	HEF11E3	Num	8	11e3. Don't know
61	HEF11E4	Num	8	11e4. Don't remember
62	HEF11F	Char	1	11f. Were you evaluated in an Emergency Department?
63	HEF11F1	Num	8	11f1. An additional antibiotic
64	HEF11F2	Num	8	11f2. Additional steroids
65	HEF11F3	Num	8	11f3. Don't know
66	HEF11F4	Num	8	11f4. Don't remember
67	HEF11G	Char	1	11g. Were you admitted to the hospital?
68	HEF13	Char	1	13. (do not ask) Did the participant have a fifth episode?
69	HEF14A	Char	1	14a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?

Num	Variable	Type	Len	Label
70	HEF14B	Char	1	14b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
71	HEF14C	Char	1	14c. Did you take additional antibiotics but without contacting a healthcare provider?
72	HEF14D	Char	1	14d. Did you take additional oral steroids but without contacting a healthcare provider?
73	HEF14E	Char	1	14e. Were you evaluated in a physician's office or urgent care?
74	HEF14E1	Num	8	14e1. An additional antibiotic
75	HEF14E2	Num	8	14e2. Additional steroids
76	HEF14E3	Num	8	14e3. Don't know
77	HEF14E4	Num	8	14e4. Don't remember
78	HEF14F	Char	1	14f. Were you evaluated in an Emergency Department?
79	HEF14F1	Num	8	14f1. An additional antibiotic
80	HEF14F2	Num	8	14f2. Additional steroids
81	HEF14F3	Num	8	14f3. Don't know
82	HEF14F4	Num	8	14f4. Don't remember
83	HEF14G	Char	1	14g. Were you admitted to the hospital?
84	HEF16	Char	1	16. (do not ask) Did the participant have a fifth episode?
85	HEF17A	Char	1	17a. Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
86	HEF17B	Char	1	17b. Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
87	HEF17C	Char	1	17c. Did you take additional antibiotics but without contacting a healthcare provider?
88	HEF17D	Char	1	17d. Did you take additional oral steroids but without contacting a healthcare provider?
89	HEF17E	Char	1	17e. Were you evaluated in a physician's office or urgent care?
90	HEF17E1	Num	8	17e1. An additional antibiotic
91	HEF17E2	Num	8	17e2. Additional steroids
92	HEF17E3	Num	8	17e3. Don't know
93	HEF17E4	Num	8	17e4. Don't remember
94	HEF17F	Char	1	17f. Were you evaluated in an Emergency Department?
95	HEF17F1	Num	8	17f1. An additional antibiotic
96	HEF17F2	Num	8	17f2. Additional steroids
97	HEF17F3	Num	8	17f3. Don't know
98	HEF17F4	Num	8	17f4. Don't remember
99	HEF17G	Char	1	17g. Were you admitted to the hospital?
100	HEF19	Char	1	19. Since your last (center visit or telephone contact) on (date), have you at any time been admitted to a hospital (For COPD Participants: for any reason other than a chest flare up)?
101	HEF20	Num	8	20. How many hospitalizations have you had since (date)?
102	HEF21E	Char	1	21e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
103	HEF22E	Char	1	22e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?

Num	Variable	Type	Len	Label
104	HEF23E	Char	1	23e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
105	HEF24E	Char	1	24e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
106	HEF25E	Char	1	25e. Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
107	VERSION	Char	21	Version
108	HEF0A_DAYS	Num	8	Form Date - Days from enrollment
109	HEF12A_DAYS	Num	8	12a. What was the date of this event? - Days from enrollment
110	HEF15A_DAYS	Num	8	15a. What was the date of this event? - Days from enrollment
111	HEF18A_DAYS	Num	8	18a. What was the date of this event? - Days from enrollment
112	HEF21A_DAYS	Num	8	21a. What was the date of this event? - Days from enrollment
113	HEF22A_DAYS	Num	8	22a. What was the date of this event? - Days from enrollment
114	HEF23A_DAYS	Num	8	23a. What was the date of this event? - Days from enrollment
115	HEF24A_DAYS	Num	8	24a. What was the date of this event? - Days from enrollment
116	HEF25A_DAYS	Num	8	25a. What was the date of this event? - Days from enrollment
117	HEF26A_DAYS	Num	8	26a. What was the date of this event? - Days from enrollment
118	HEF3A_DAYS	Num	8	3a. What was the date of this event? - Days from enrollment
119	HEF6A_DAYS	Num	8	6a. What was the date of this event? - Days from enrollment
120	HEF9A_DAYS	Num	8	9a. What was the date of this event? - Days from enrollment
121	subjectid	Char	9	dbgapid

Data Set Name: v4_isp_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ISP01A	Num	8	1) 10% fall from
5	ISP01B	Num	8	is
6	ISP02A	Num	8	2) 20% fall from
7	ISP02B	Num	8	is
8	ISP03	Num	8	3) Was the participant given albuterol prior to suptum induction?
9	ISP03A	Num	8	3a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
10	ISP03B	Num	8	3b) How many puffs of albuterol was the participant given?
11	ISP04A	Num	8	a) FEV1
12	ISP05A	Num	8	a) FEV1
13	ISP06A	Num	8	a) FEV1
14	ISP08	Char	1	8) Spirometry ok to continue?
15	ISP09A	Num	8	a) FEV1
16	ISP10A	Num	8	a) FEV1
17	ISP11A	Num	8	a) FEV1
18	ISP12A	Num	8	a) FEV1
19	ISP13A	Num	8	a) FEV1
20	ISP14A	Num	8	a) FEV1
21	ISP15A	Num	8	a) FEV1
22	ISP16	Char	1	16) First 7 minutes complete, continue induction? (If 'No', go to item 27)
23	ISP17	Char	1	17) If yes, % NaCl used:
24	ISP18A	Num	8	a) FEV1
25	ISP19A	Num	8	a) FEV1
26	ISP20A	Num	8	a) FEV1
27	ISP21A	Num	8	a) FEV1
28	ISP22	Char	1	22) Second 7 minutes complete, continue induction? (If 'No', go to item 27)
29	ISP23A	Num	8	a) FEV1
30	ISP24A	Num	8	a) FEV1
31	ISP25A	Num	8	a) FEV1
32	ISP26A	Num	8	a) FEV1
33	ISP27	Char	1	27) Was the participant able to produce sputum?
34	ISP28	Char	1	28) Was the induction terminated early? (If 'No', 30)
35	ISP29	Char	1	29) Reason terminated early
36	ISP30	Char	1	30) Did the participant require additional albuterol?
37	ISP31A	Num	8	a) FEV1

Num	Variable	Type	Len	Label
38	ISP32A	Num	8	a) FEV1
39	ISP33A	Num	8	a) FEV1
40	ISP0D	Char	5	Time Collected
41	ISP0D_AMPM	Char	1	AM/PM
42	VERSION	Char	21	Version
43	ISP0A_DAYS	Num	8	Form Date - Days from enrollment
44	ISP0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v4_isw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	ISW01A	Num	8	1) 10% fall from
5	ISW01B	Num	8	is
6	ISW02A	Num	8	2) 20% fall from
7	ISW02B	Num	8	is
8	ISW03	Num	8	3) Was the participant given albuterol prior to suptum induction?
9	ISW03A	Num	8	3a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?
10	ISW03B	Num	8	3b) How many puffs of albuterol was the participant given?
11	ISW04A	Num	8	a) FEV1:
12	ISW05A	Num	8	a) FEV1:
13	ISW06A	Num	8	a) FEV1:
14	ISW08	Char	1	8) Spirometry ok to continue?
15	ISW09A	Num	8	a) FEV1
16	ISW10A	Num	8	a) FEV1
17	ISW11A	Num	8	a) FEV1
18	ISW12A	Num	8	a) FEV1
19	ISW13A	Num	8	a) FEV1
20	ISW14	Char	1	14) First 7 minutes complete, continue induction? (If 'No', go to item 20)
21	ISW15	Char	1	15) If yes, % NaCl used:
22	ISW16A	Num	8	a) FEV1
23	ISW17A	Num	8	a) FEV1
24	ISW18	Char	1	18) Second 7 minutes complete, continue induction? (If 'No', go to item 20)
25	ISW19	Char	1	19) If yes, % NaCl used:
26	ISW20A	Num	8	a) FEV1
27	ISW21A	Num	8	a) FEV1
28	ISW22	Char	1	22) Was the participant able to produce sputum?
29	ISW23	Char	1	23) Was the induction terminated early?
30	ISW24	Char	1	24) Reason terminated early
31	ISW25	Char	1	25) Did the participant require additional albuterol?
32	ISW26A	Num	8	a) FEV1
33	ISW27A	Num	8	a) FEV1
34	ISW28A	Num	8	a) FVC
35	ISW29	Char	2000	29) Note reason and time point obtained
36	ISW0D	Char	5	Time Collected
37	ISW0D_AMPM	Char	1	AM/PM

Num	Variable	Type	Len	Label
38	VERSION	Char	21	Version
39	ISW0A_DAYS	Num	8	Form Date - Days from enrollment
40	ISW0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: v4_mcq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MCQ01	Char	1	MCQ01 Frequency of cough today
5	MCQ02	Char	1	MCQ02 Frequency of cough last night
6	MCQ03	Char	1	MCQ03 Severity of cough episodes
7	MCQ04	Char	1	MCQ04 Ease of coughing up sputum today
8	MCQ05	Char	1	MCQ05 Chest tightness/discomfort today
9	VERSION	Char	21	Version
10	MCQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_mhf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MHF0C	Num	8	0c. (do not read) Check here if participant is Female
5	MHF1	Char	1	1. Did you get an influenza vaccination (flu shot) in the last 12 months?
6	MHF2	Char	1	2. When was your most recent pneumonia vaccination? (Pneumovax)
7	MHF3	Char	1	3. Have you been diagnosed with alpha-1 anti-trypsin deficiency?
8	MHF4A	Char	1	4a. Vision problems
9	MHF4B	Char	1	4b. Hearing problems
10	MHF4C	Char	1	4c. Dizziness
11	MHF4D	Char	1	4d. Ears ringing
12	MHF4E	Char	1	4e. Sinusitis/Rhinitis
13	MHF4F	Char	1	4f. Other
14	MHF5A	Char	1	5a. High blood pressure
15	MHF5B	Char	1	5b. Coronary artery disease
16	MHF5C	Char	1	5c. Angina (chest pain)
17	MHF5D	Char	1	5d. Heart attack
18	MHF5E	Char	1	5e. Murmur
19	MHF5F	Char	1	5f. Palpitations, irregular heartbeat
20	MHF5G	Char	1	5g. Valve disease
21	MHF5H	Char	1	5h. Congestive heart failure
22	MHF5I	Char	1	5i. Blood clots
23	MHF5J	Char	1	5j. Poor circulation (claudication)
24	MHF5K	Char	1	5k. Other
25	MHF6A	Char	1	6a. Esophageal condition or disease
26	MHF6B	Char	1	6b. Ulcers
27	MHF6C	Char	1	6c. Hepatitis or jaundice
28	MHF6D	Char	1	6d. Crohn's disease or colitis
29	MHF6E	Char	1	6e. Gallstones
30	MHF6F	Char	1	6f. Cirrhosis
31	MHF6F1	Char	75	6f1. Explain:
32	MHF6G	Char	1	6g. GERD (heart burn)
33	MHF6H	Char	1	6h. Hiatal hernia
34	MHF6I	Char	1	6i. Other
35	MHF7A	Char	1	7a. Intubation or respirator
36	MHF7B	Char	1	7b. Pneumothorax (collapsed lung)
37	MHF7C	Char	1	7c. Tuberculosis

Num	Variable	Type	Len	Label
38	MHF7D	Char	1	7d. Pulmonary fibrosis
39	MHF7E	Char	1	7e. Lung nodules
40	MHF7F	Char	1	7f. Pulmonary embolism
41	MHF7G	Char	1	7g. Other
42	MHF8A	Char	1	8a. Cancer(except basal cell skin cancer)
43	MHF8B	Char	1	8b. Anemia
44	MHF8C	Char	1	8c. Other
45	MHF9A	Char	1	9a. Menstrual symptoms (women)
46	MHF9B	Char	1	9b. Enlarged prostate or BPH (men)
47	MHF9C	Char	1	9c. Bladder or kidney problems/kidney stones
48	MHF9D	Char	1	9d. Other
49	MHF10A	Char	1	10a. Diabetes
50	MHF10B	Char	1	10b. Thyroid
51	MHF10C	Char	1	10c. Other
52	MHF11A	Char	1	11a. Stroke
53	MHF11B	Char	1	11b. Headaches
54	MHF11C	Char	1	11c. Seizure
55	MHF11D	Char	1	11d. Other
56	MHF12A	Char	1	12a. Rheumatoid arthritis
57	MHF12B	Char	1	12b. Gout
58	MHF12C	Char	1	12c. Osteoporosis
59	MHF12D	Char	1	12d. Fractures
60	MHF12E	Char	1	12e. Joint pain
61	MHF12F	Char	1	12f. Osteoarthritis
62	MHF12G	Char	1	12g. Other
63	MHF13A	Char	1	13a. Rashes/hives/ eczema
64	MHF13B	Char	1	13b. Psoriasis
65	MHF13C	Char	1	13c. Shingles
66	MHF13D	Char	1	13d. Other
67	MHF14A	Char	1	14a. Atypical mycobacteria (MAC,MAI)
68	MHF14B	Char	1	14b. Fungal disease
69	MHF14C	Char	1	14c. Other
70	MHF15A	Char	1	15a. Anxiety
71	MHF15B	Char	1	15b. Depression
72	MHF15C	Char	1	15c. Other
73	MHF16	Char	1	16. Other significant problems not reported in questions 2-18
74	MHF17	Char	1	17. A fever, cold, flu, or sore throat?
75	MHF18	Char	1	18. A urinary tract infection?
76	MHF19	Char	1	19. Seasonal allergies?

Num	Variable	Type	Len	Label
77	MHF20	Char	1	20. A sinus infection or sinusitis?
78	MHF21	Char	1	21. A tooth infection?
79	MHF22	Char	1	22. A flare up of gout?
80	MHF23	Char	1	23. A flare up of arthritis?
81	MHF24	Char	1	24. Other?
82	MHF26	Char	1	26. Are you allergic to any medications, latex, food, or substances?
83	MHF26A	Char	50	26a. List Substance:
84	MHF26A1	Char	50	26a1. Reaction:
85	MHF26B	Char	50	26b. List Substance:
86	MHF26B1	Char	50	26b1. Reaction:
87	MHF26C	Char	50	26c. List Substance:
88	MHF26C1	Char	50	26c1. Reaction:
89	MHF26D	Char	50	26d. List Substance:
90	MHF26D1	Char	50	26d1. Reaction:
91	MHF26E	Char	50	26e. List Substance:
92	MHF26E1	Char	50	26e1. Reaction:
93	MHF27	Char	1	27. In the past 12 months, how often have you consumed any beverage containing alcohol (beer, wine, wine coolers, liquor, or mixed drinks such as margaritas, martinis, or daiquiris)?
94	MHF28	Char	1	28. When you drink beverage containing alcohol, how many do you usually drink at one sitting?
95	MHF29A	Num	8	29a. Beer
96	MHF29B	Num	8	29b. Wine
97	MHF29C	Num	8	29c. Drinks containing liquor
98	MHF30	Char	1	30. How often do you have eight or more drinks on one occasion?
99	MHF31	Char	1	31. How often during the last year have you been unable to remember what happened the night before because you had been drinking?
100	MHF32	Char	1	32. How often during the last year have you failed to do what was normally expected of you because of your drinking?
101	MHF33	Char	1	33. Has a relative or friend, a doctor or other health worker been concerned about your drinking or suggested you cut down?
102	MHF34	Char	1	34. Have you reached menopause?
103	MHF35	Num	8	35. If you have reached menopause, at what age did that occur?
104	MHF36	Char	1	36. Did you ever use oral contraceptive medications?
105	MHF37	Num	8	37. If you did use oral contraceptives, for how many years?
106	MHF38	Char	1	38. Did you ever use hormone replacement therapy?
107	MHF39	Num	8	39. If you did use hormone replacement therapy, for how many years?
108	MHF40	Char	1	40. In the past 12 months have you been pregnant?
109	MHF41	Char	1	41. In the past 12 months did you ever breastfeed
110	MHF42	Num	8	42. If you did breastfeed, for approximately how many total months did you breastfeed (total for all pregnancies)?
111	MHF43	Char	1	43. In the last 12 months have you had an ovary removed?

Num	Variable	Type	Len	Label
112	MHF44	Char	1	44. If you had an ovary removed, was one removed or both?
113	MHF45	Num	8	45. At what age was your ovary or ovaries removed?
114	MHF46	Char	1	46. Were you born premature?
115	MHF46A	Num	8	46a. If yes, how many weeks were you premature?
116	MHF47A	Num	8	47a. What was your birth weight?
117	MHF47B	Num	8	Birth Weight in Pounds/Ounces
118	MHF48	Char	1	48. Did you ever have breathing problems during the first two years of life?
119	MHF48A	Char	1	48a. If yes, were you ever hospitalized for these problems?
120	MHF49	Char	1	49. Were you ever hospitalized for pneumonia before 18 years of age?
121	MHF7H	Char	1	7h. Wedge Resection
122	VERSION	Char	21	Version
123	MHF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_mrc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	MRC01	Num	8	MRC01 Describe shortness of breath
5	VERSION	Char	21	Version
6	MRC0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_pft_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFT01	Num	8	PFT01 Large meal eaten within the last 2 hours
5	PFT02	Num	8	PFT02 Smoked within the last hour
6	PFT03	Num	8	PFT03 Vigorous exercise in the past 30 minutes
7	PFT04	Num	8	PFT04 Consumed alcohol within past 4 hours
8	PFT05	Num	8	PFT05 Medication for lungs in past 48 hours
9	PFT06	Num	8	PFT06 Use of Spiriva within past 48 hours
10	PFT06B	Char	5	PFT06B Time last used Spiriva
11	PFT06B_AMPM	Char	1	PFT06B_AMPM Last used Spiriva AM/PM
12	PFT07	Num	8	PFT07 Use of theophylline within past 48 hrs
13	PFT07A	Num	8	PFT07A Most recent type of theophyline used
14	PFT07C	Char	5	PFT07C Time last used theophyline
15	PFT07C_AMPM	Char	1	PFT07C_AMPM last used theophyline AM/PM
16	PFT08	Num	8	PFT08 Use of one-a-day bronchodilator
17	PFT08B	Char	5	PFT08B Time last used one-a-day bronchodilator
18	PFT08B_AMPM	Char	1	PFT08B_AMPM last used one-a-day bronchodilator AM/PM
19	PFT09	Num	8	PFT09 Use of long-acting beta agonist
20	PFT09A	Num	8	PFT09A Most recent long-acting beta agonist used
21	PFT09A1	Char	50	PFT09A1 Specify long-acting beta agonist
22	PFT09B	Char	5	PFT09B Time last used long-acting beta agonist
23	PFT09B_AMPM	Char	1	PFT09B_AMPM last used long-acting beta agonist AM/PM
24	PFT10	Num	8	PFT10 Use of ipratropium within the past 8 hours
25	PFT10A	Num	8	PFT10A Most recent ipratropium used
26	PFT10B	Char	5	PFT10B Time last used ipratropium
27	PFT10C_AMPM	Char	1	PFT10C_AMPM last used ipratropium AM/PM
28	PFT11	Num	8	PFT11 Use of short-acting beta agonist
29	PFT11A	Num	8	PFT11A Most recent short-acting beta agonist used
30	PFT11B	Char	5	PFT11B Time last short-acting beta agonist used
31	PFT11B_AMPM	Char	1	PFT11B_AMPM last short-acting beta agonist used AM/PM
32	PFT12	Char	1	PFT12 Consumption of caffeine in past 6 hours
33	VERSION	Char	21	Version
34	PFT0A_DAYS	Num	8	Form Date - Days from enrollment
35	PFT06A_DAYS	Num	8	Date last used Spiriva - Days from enrollment
36	PFT07B_DAYS	Num	8	Date last used theophyline - Days from enrollment
37	PFT08A_DAYS	Num	8	Date last used one-a-day bronchodilator - Days from enrollment

Data Set Name: v4_pfv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PFV01	Char	9	PFV01 study_id
5	PFV10	Char	15	PFV10 Position
6	PFV12	Num	8	PFV12 visit_num
7	PFV13	Num	8	PFV13 interval_num
8	PFV14	Num	8	PFV14 stage_num
9	PFV15	Num	8	PFV15 seq_num
10	PFV16	Char	15	PFV16 vlabel
11	PFV17	Num	8	PFV17 repeats
12	PFV19	Char	15	PFV19 qa_grade
13	PFV20	Char	15	PFV20 qa_status
14	PFV22B	Char	8	PFV22B time
15	PFV23B	Char	8	PFV23B time_best
16	PFV24B	Char	8	PFV24B time_first
17	PFV25	Num	8	PFV25 trial_seq_num
18	PFV26	Num	8	PFV26 ranking
19	PFV27	Num	8	PFV27 temperature
20	PFV28	Num	8	PFV28 barometric
21	PFV29	Num	8	PFV29 humidity
22	PFV30	Num	8	PFV30 fevpd
23	PFV31	Num	8	PFV31 fvcpd
24	PFV32	Num	8	PFV32 fefpd
25	PFV33	Num	8	PFV33 fev1_fvcpd
26	PFV34	Num	8	PFV34 pefpd
27	PFV35	Num	8	PFV35 pctfev
28	PFV36	Num	8	PFV36 pctfvc
29	PFV37	Num	8	PFV37 pctfef2575
30	PFV38	Num	8	PFV38 pctpefr
31	PFV39	Num	8	PFV39 pctfev_fvc
32	PFV40	Num	8	PFV40 fvc
33	PFV41	Num	8	PFV41 flag_fvc_best
34	PFV42B	Char	8	PFV42B trials_time
35	PFV43	Num	8	PFV43 fev05
36	PFV44	Num	8	PFV44 fev05fvc
37	PFV45	Num	8	PFV45 fev1

Num	Variable	Type	Len	Label
38	PFV46	Num	8	PFV46 flag_fev_best
39	PFV47	Num	8	PFV47 fev1fvc
40	PFV48	Num	8	PFV48 flag_fevfvc_best
41	PFV49	Num	8	PFV49 fev3
42	PFV50	Num	8	PFV50 fev3fvc
43	PFV51	Num	8	PFV51 fev6
44	PFV52	Num	8	PFV52 fef212
45	PFV53	Num	8	PFV53 fef2575
46	PFV54	Num	8	PFV54 flag_fef2575_best
47	PFV55	Num	8	PFV55 fef25756
48	PFV56	Num	8	PFV56 fef25
49	PFV57	Num	8	PFV57 fef50
50	PFV58	Num	8	PFV58 fef506
51	PFV59	Num	8	PFV59 fef75
52	PFV60	Num	8	PFV60 fef756
53	PFV61	Num	8	PFV61 fef7585
54	PFV62	Num	8	PFV62 pefr
55	PFV63	Num	8	PFV63 flag_pefr_best
56	PFV64	Num	8	PFV64 met
57	PFV65	Num	8	PFV65 peft
58	PFV66	Num	8	PFV66 vext
59	PFV67	Num	8	PFV67 pctvext
60	PFV68	Num	8	PFV68 expt
61	PFV69	Num	8	PFV69 RVSPCA
62	PFV70	Char	4	PFV70 fevdiff
63	PFV71	Num	8	PFV71 fivc
64	PFV72	Num	8	PFV72 fiv05
65	PFV73	Num	8	PFV73 fiv05fivc
66	PFV74	Num	8	PFV74 fiv1
67	PFV75	Num	8	PFV75 fiv1fivc
68	PFV76	Num	8	PFV76 fiv3
69	PFV77	Num	8	PFV77 pifr
70	PFV78	Num	8	PFV78 fif212
71	PFV79	Num	8	PFV79 fif2575
72	PFV80	Num	8	PFV80 mit
73	VERSION	Char	21	Version
74	PFV22A_DAYS	Num	8	Date - Days from enrollment
75	PFV23A_DAYS	Num	8	Date best - Days from enrollment
76	PFV24A_DAYS	Num	8	Date first - Days from enrollment

Num	Variable	Type	Len	Label
77	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v4_psq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	PSAQ7	Char	2000	PSAQ7 Frequency of taking medication to sleep during the last month
4	PSAQ8	Char	2000	PSAQ8 Frequency of having trouble staying awake during the last month
5	PSAQ9	Char	2000	PSAQ9 Difficulty keeping up enthusiasm during the last month
6	VISIT	Char	10	Visit
7	PSQ01	Char	5	PSQ01 Usual bedtime in the past month
8	PSQ01_AMPM	Char	1	PSQ01_AMPM bedtime AM/PM
9	PSQ02	Num	8	PSQ02 Time taken to fall asleep in the past month
10	PSQ03	Char	5	PQQ03 Waking hour in the past month
11	PSQ03_AMPM	Char	1	PSQ03_AMPM waking hour AM/PM
12	PSQ04	Num	8	PSQ04 Hours of sleep per night in the past month
13	PSQ05A	Char	1	PSQ05A Trouble sleeping: Cannot get to sleep within 30 minutes
14	PSQ05B	Char	1	PSQ05B Trouble sleeping: Wake up in the middle of the night or early morning
15	PSQ05C	Char	1	PSQ05C Trouble sleeping: Have to get up to use the bathroom
16	PSQ05D	Char	1	PSQ05D Trouble sleeping: Cannot breathe comfortably
17	PSQ05E	Char	1	PSQ05E Trouble sleeping: Cough or snore loudly
18	PSQ05F	Char	1	PSQ05F Trouble sleeping: Feel too cold
19	PSQ05G	Char	1	PSQ05G Trouble sleeping: Feel too hot
20	PSQ05H	Char	1	PSQ05H Trouble sleeping: Have bad dreams
21	PSQ05I	Char	1	PSQ05I Trouble sleeping: Have pain
22	PSQ05J	Char	1	PSQ05J Trouble sleeping: Other reasons
23	PSQ06	Char	1	PSQ06 Sleep quality during the last month
24	PSQ10	Char	1	PSQ10 Bed partner/roommate
25	PSQ10A	Char	1	PSQ10A Bed partner/roommate reports: Loud snoring
26	PSQ10B	Char	1	PSQ10B Bed partner/roommate reports: Long pauses between breaths while asleep
27	PSQ10C	Char	1	PSQ10C Bed partner/roommate reports: Legs twitching or jerking while you sleep
28	PSQ10D	Char	1	PSQ10D Bed partner/roommate reports: Episodes of disorientation or confusion during sleep
29	PSQ10E	Char	1	PSQ10E Bed partner/roommate reports: Other restlessness while you sleep
30	PSQ10E1	Char	2000	PSQ10E1 Describe other restlessness during sleep
31	VERSION	Char	21	Version
32	PSQ_TOTALSCORE04	Num	8	Year 3 Pittsburgh sleep total score
33	PSQ_DURATIONSLEEP04	Num	8	Year 3 PSQ Duration of sleep)
34	PSQ_SLEEPDISTURBANCE04	Num	8	Year 3 PSQ sleep disturbance

Num	Variable	Type	Len	Label
35	PSQ_SLEEPLATENCY04	Num	8	Year 3 PSQ sleep latency
36	PSQ_DAYSLEEPYDYSFUNC04	Num	8	Year 3 PSQ day dysfunction due to sleepness
37	PSQ_SLEEPEFFICIENCY04	Num	8	Year 3 PSQ sleep efficiency
38	PSQ_OVERALLSLEEPQUALITY04	Num	8	Year 3 PSQ overall sleep quality
39	PSQ_NEEDMEDSTOSLEEP04	Num	8	Year 3 PSQ need meds to sleep
40	PSQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_psv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	PSV01	Char	9	PSV01 study_id
5	PSV10	Char	15	PSV10 position
6	PSV12	Num	8	PSV12 visit_num
7	PSV13	Char	15	PSV13 interval_num
8	PSV14	Num	8	PSV14 stage_num
9	PSV15	Num	8	PSV15 seq_num
10	PSV16	Char	5	PSV16 vlabel
11	PSV17	Num	8	PSV17 repeats
12	PSV19	Char	15	PSV19 qa_grade
13	PSV20	Char	15	PSV20 qa_status
14	PSV22B	Char	8	PSV22B time
15	PSV23B	Char	8	PSV23B time_best
16	PSV24B	Char	8	PSV24B time_first
17	PSV25B	Char	8	PSV25B trials_time
18	PSV26	Num	8	PSV26 trial_seq_num
19	PSV27	Num	8	PSV27 ranking
20	PSV28	Num	8	PSV28 temperature
21	PSV29	Num	8	PSV29 barometric
22	PSV30	Num	8	PSV30 humidity
23	PSV32	Char	5	PSV32 tom
24	PSV33	Num	8	PSV33 svc
25	PSV34	Num	8	PSV34 svcpd
26	PSV35	Num	8	PSV35 pctsvc
27	PSV36	Num	8	PSV36 flag_svc_best
28	PSV37	Num	8	PSV37 ic
29	PSV38	Num	8	PSV38 irv
30	PSV39	Num	8	PSV39 erv
31	PSV40	Num	8	PSV40 tv
32	VERSION	Char	21	Version
33	PSV22A_DAYS	Num	8	Date - Days from enrollment
34	PSV23A_DAYS	Num	8	Date best - Days from enrollment
35	PSV24A_DAYS	Num	8	Date first - Days from enrollment
36	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v4_rdf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	RDF1	Char	1	1. Do you usually have a cough? (Exclude clearing of throat.)
5	RDF1A	Char	1	1a. Do you usually cough as much as 4 times a day, 4 or more days out of the week?
6	RDF2	Char	1	2. Do you usually cough at all on getting up or first thing in the morning?
7	RDF3	Char	1	3. Do you usually cough at all during the rest of the day or night?
8	RDF3A	Char	1	3a. Do you cough like this on most days, for 3 consecutive months or more during the year?
9	RDF3B	Num	8	3b. For how many years have you had this cough?
10	RDF4	Char	1	4. Do you usually bring up phlegm from your chest?
11	RDF4A	Char	1	4a. Do you usually bring up phlegm like this as much as twice a day, 4 or more days out of the week?
12	RDF5	Char	1	5. Do you usually bring up phlegm from your chest on getting up, or first thing in the morning?
13	RDF6	Char	1	6. Do you usually bring up phlegm from your chest during the rest of the day or at night?
14	RDF6A	Char	1	6a. Do you bring up phlegm like this on most days for 3 consecutive months or more during the year?
15	RDF6B	Num	8	6b. For how many years have you had trouble with phlegm?
16	RDF7	Char	1	7. In the past 12 months, have you had periods or episodes of cough with phlegm that lasted 1 week or more? (If you usually have cough and phlegm, please count only periods or episodes of increased cough and phlegm.)
17	RDF7A	Num	8	7a. If yes, about how many such episodes have you had in the past 12 months?
18	RDF7B	Num	8	7b. If yes, for how many years have you had at least one such episode per year?
19	RDF8	Char	1	8. Have you ever had wheezing or whistling in your chest?
20	RDF8A	Num	8	8a. About how old were you when you first had wheezing or whistling in your chest?
21	RDF9	Char	1	9. Have you ever had an attack of wheezing or whistling in your chest that made you feel short of breath?
22	RDF9A	Num	8	9a. About how old were you when you had your first such attack?
23	RDF9B	Char	1	9b. Have you ever had 2 or more such attacks?
24	RDF9C	Char	1	9c. Have you ever required medicine or treatment for such attacks?
25	RDF10	Char	1	10. In the past 12 months, have you had wheezing or whistling in your chest at any time?
26	RDF10A1	Char	1	10a1. When you have a cold?
27	RDF10A2	Char	1	10a2. Occasionally apart from colds?
28	RDF10A3	Char	1	10a3. More than once a week?
29	RDF10A4	Char	1	10a4. Most days or nights?
30	RDF11	Char	1	11. In the last 12 months, have you been awakened from sleep by coughing, apart from a cough associated with a cold or chest infection?
31	RDF12	Char	1	12. In the last 12 months, have you been awakened from sleep by shortness of breath or a feeling of tightness in your chest?
32	RDF13	Char	1	13. In the past 12 months, have you had wheezing or whistling in your chest at any time?

Num	Variable	Type	Len	Label
33	RDF14	Char	1	14. In the last 12 months, have you been bothered by watery, itchy, or burning eyes when you did not have a cold or the flu?
34	RDF15	Char	1	15. Are you unable to walk due to a condition other than shortness of breath?
35	RDF16	Char	1	16. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with asthma?
36	RDF16A	Char	1	16a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for asthma?
37	RDF17	Char	1	17. In the past 12 months, have you had hay fever (allergy involving the nose and/or eyes)?
38	RDF17A	Char	1	17a. Was it diagnosed by a doctor or other health professional?
39	RDF17B	Char	1	17b. In the past 12 months, have you received medical treatment, taken medications or used a nasal spray for hay fever?
40	RDF18	Char	1	18. In the past 12 months, have you had an attack of bronchitis?
41	RDF18A	Char	1	18a. Was it diagnosed by a doctor or other health professional?
42	RDF18B	Num	8	18b. How many times have you had bronchitis in the past 12 months?
43	RDF19	Char	1	19. In the past 12 months, have you ever had pneumonia or bronchopneumonia?
44	RDF19A	Char	1	19a. Was it diagnosed by a doctor or other health professional?
45	RDF19B	Num	8	19b. How many times have you had pneumonia or bronchopneumonia in the past 12 months?
46	RDF20	Char	1	20. In the past 12 months, were you newly diagnosed by a doctor or other health professional with chronic bronchitis?
47	RDF20A	Char	1	20a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for chronic bronchitis?
48	RDF21	Char	1	21. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with emphysema?
49	RDF21A	Char	1	21a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for emphysema?
50	RDF22	Char	1	22. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with COPD (chronic obstructive pulmonary disease)?
51	RDF22A	Char	1	22a. In the past 12 months, have you received medical treatment, taken medications or used an inhaler for COPD?
52	RDF23	Char	1	23. In the past 12 months, have you been newly diagnosed by a doctor or other health professional with sleep apnea?
53	RDF23A	Char	1	23a. In the past 12 months, have you received any treatment for sleep apnea?
54	RDF23B	Char	1	23b. Do you use a CPAP or BIPAP?
55	RDF23C	Char	1	23c. Did you have surgery for your sleep apnea?
56	RDF23D	Char	1	23d. Did you have some other treatment for your sleep apnea?
57	RDF24A	Char	1	24a. Any other chest illness?
58	RDF24B	Char	1	24b. Any chest operations?
59	RDF24C	Char	1	24c. Any chest injuries?
60	RDF25	Char	1	25. In the past 12 months have you smoked cigarettes
61	RDF26	Char	1	26. Do you smoke cigarettes as of one month ago?
62	RDF27	Num	8	27. Cigarettes smoked in the past 24 hours: (Check here if does not apply)
63	RDF27A	Num	8	27a. 24 hours
64	RDF27B	Num	8	27b. 2 hours

Num	Variable	Type	Len	Label
65	RDF27C	Num	8	27c. 1/2 hour
66	RDF28	Num	8	28. How many cigarettes do you smoke per day now?
67	RDF29	Num	8	29. On average over the last 12 months, how many cigarettes did you smoke per day?
68	RDF30	Char	1	30. Have you ever smoked menthol cigarettes?
69	RDF30A	Num	8	30a. For how long have you or did you smoke menthol cigarettes?
70	RDF31A	Char	40	First brand of cigarettes smoked
71	RDF31B	Char	40	Second brand of cigarettes smoked
72	RDF31C	Char	40	Third brand of cigarettes smoked
73	RDF31D	Char	40	Fourth brand of cigarettes smoked
74	RDF31E	Char	40	Fifth brand of cigarettes smoked
75	RDF32	Char	1	32. In the past twelve months have you smoked a pipe regularly?
76	RDF33	Char	1	33. Do you smoke a pipe (as of one month ago)?
77	RDF34	Num	8	34. How much pipe tobacco do you smoke per day now?
78	RDF35	Num	8	35. On average over the last 12 months, how many ounces of tobacco did you smoke per week?
79	RDF36	Char	1	36. In the past twelve months have you smoked cigars regularly? (YES means more than 1 cigar a week for one year at any time in your life)
80	RDF37	Char	1	37. Do you now smoke cigars (as of one month ago)?
81	RDF38	Num	8	38. How many cigars so you smoke per day now?
82	RDF39	Num	8	39. On average over the last 12 months, how many cigars did you smoke per week?
83	RDF40	Char	1	40. Which of the following best describes your approach to tobacco smoking in your home when you are in the house?
84	RDF41	Char	1	41. In the last 12 months, have you lived in the same household with someone who smoked tobacco products?
85	RDF42	Char	1	42. Do you currently live in the same household with someone who smokes tobacco products?
86	RDF43	Num	8	43. How many people in your household currently smoke?
87	RDF44	Num	8	44. In the last 12 months for how many months in total have you lived in the same household with someone else who smoked tobacco products?
88	RDF44A	Char	1	44a. If no answer:
89	RDF45	Char	1	45. Has anyone smoked tobacco in your home during the past seven days?
90	RDF46	Num	8	46. During the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke at home?
91	RDF47	Char	1	47. During the past 7 days, did you enter a room in your home that was visibly smoky?
92	RDF48	Char	1	48. In the past 7 days, did you smell tobacco smoke in your home?
93	RDF49	Char	1	49. During the past 7 days, did you experience red eyes or eye irritation?
94	RDF50	Char	1	50. During the past 7 days, did you experience runny nose or nose irritation?
95	RDF51	Char	1	51. During the past 7 days, did you experience coughing, wheezing, or chest tightness?
96	RDF52	Char	1	52. In the past 7 days, did you take any extra handheld spray inhalers for breathing or lung problems after exposure to tobacco smoke in your home?
97	RDF53	Char	1	53. In the past 7 days, have you visited another person's home where someone was smoking tobacco products indoors?

Num	Variable	Type	Len	Label
98	RDF54	Num	8	54. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in another person's home?
99	RDF55	Char	1	55. During the past 7 days, did you enter a room in another person's home that was visibly smoky?
100	RDF56	Char	1	56. In the past 7 days, did you smell tobacco in another person's home?
101	RDF57	Char	1	57. In the past 7 days, have you traveled by car or other vehicle with someone else who was smoking tobacco products?
102	RDF58	Num	8	58. In the past 7 days, how many hours did you spend traveling in a car while someone else was smoking tobacco?
103	RDF59	Char	1	59. During the past 7 days, did anyone smoke tobacco inside your workplace, that is, while you were working indoors?
104	RDF60	Num	8	60. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke inside your workplace?
105	RDF61	Char	1	61. During the past 7 days, did you enter a room in your workplace that was visibly smoky?
106	RDF62	Char	1	62. In the past 7 days, did you smell tobacco smoke in your workplace?
107	RDF63	Char	1	63. Is there an outdoor area at your workplace where cigarette smokers routinely gather or congregate to smoke?
108	RDF64	Num	8	64. In the past 7 days, how many times did you walk through or past this area while others were smoking?
109	RDF65	Num	8	65. During the past 7 days, how many hours in total did you spend in an outdoor smoking area while people were smoking?
110	RDF66	Char	1	66. While walking through or past this area, did you smell smoke?
111	RDF67	Num	8	67. In the past 7 days, how many hours did you spend near coworkers who were smoking tobacco outdoors?
112	RDF68	Char	1	68. During the past 7 days, did you smell tobacco smoke while working outdoors?
113	RDF69	Char	1	69. In the past 7 days, have you been at an outdoor location (besides work) where someone was smoking tobacco products outside?
114	RDF71	Char	1	71. During the past 7 days, did you smell tobacco smoke in this outdoor location?
115	RDF72	Num	8	72. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke at this outdoor location?
116	RDF73	Char	1	73. In the past 7 days or nights, were you in a bar, nightclub, cocktail lounge, sports arena, or concert hall where someone else was smoking tobacco products?
117	RDF74	Num	8	74. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in a bar or other place of entertainment?
118	RDF75	Char	1	75. During the past 7 days, did you enter a room in a bar or other place of entertainment that was visibly smoky?
119	RDF76	Char	1	76. In the past 7 days, did you smell tobacco smoke in a bar or other place of entertainment?
120	RDF77	Char	1	77. I have asked you about exposure to someone else's tobacco smoke in your home, friend's home, work, outdoor locations, and bars or nightclubs. In the past 7 days, was there any other location where you were exposed to tobacco smoke?
121	RDF79	Num	8	79. In the past 7 days, how many hours in total were you exposed to someone else's tobacco smoke in this location?
122	RDF80	Char	1	80. In the last 12 months have you smoked marijuana (cannabis, pot, or hashish)?
123	RDF81	Char	1	81. In the last 12 months have you smoked marijuana regularly (five times or more in a given year)?
124	RDF82	Num	8	82. On average, in the last 12 months about how many joints per week do (did) you smoke?

Num	Variable	Type	Len	Label
125	RDF83	Num	8	83. On average over the entire time that you smoke(d) about how many pipes per week do (did) you smoke?
126	RDF84A	Num	8	84a. In spring
127	RDF84B	Num	8	84b. In summer
128	RDF84C	Num	8	84c. In fall
129	RDF84D	Num	8	84d. In winter
130	RDF85	Num	8	85. On average, how many hours per day do you spend in your home?
131	RDF85A	Char	1	85a. Do you have central air conditioner?
132	RDF85B	Num	8	85b. How many months out of the year do you use it?
133	RDF85C	Char	1	85c. Do you have a room air conditioner?
134	RDF85D	Num	8	85d. How many months out of the year do you use it?
135	RDF85E	Char	1	85e. What kind of range or stove do you have?
136	RDF85E1	Char	25	85e1. Specify
137	RDF85F	Char	1	85f. Does your range or stove have ventilation to the outdoors?
138	RDF85G	Char	1	85g. What is the main type of heating you use in your house?
139	RDF85H	Char	1	85h. What is the main type of heating fuel you use in your house?
140	RDF85H1	Char	25	85h1. Specify
141	RDF85I	Num	8	85i. How many months out of the year do you use the main type of heating in your house?
142	RDF85J1	Num	8	85j1. Radiator
143	RDF85J2	Num	8	85j2. Forced Air
144	RDF85J3	Num	8	85j3. Wood Stove
145	RDF85J4	Num	8	85j4. Fireplace
146	RDF85J5	Num	8	85j5. Other
147	RDF86	Char	1	86. How much time per each day to you spend communting in traffic to work in total (i.e. both ways)?
148	RDF86A	Num	8	86a. How many days per week do you commute to work?
149	VERSION	Char	21	Version
150	RDF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_rmu_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	VISIT
4	RMU01	Char	1	RMU01 Currently using Theophylline
5	RMU02	Char	1	RMU02 Currently using Oral Corticosteroids
6	RMU02A1	Num	8	RMU02A1 Years on oral corticosteroids
7	RMU02A2	Num	8	RMU02A2 Days on oral corticosteroids
8	RMU03	Char	1	RMU03 Supplemental oxygen usage
9	RMU03A	Num	8	RMU03A Hours using supplemental oxygen per day
10	RMU04	Char	1	RMU04 Inhaled steroids usage in last three months
11	RMU04A1	Char	1	RMU04A1 Inhaled steroids used in last 3 months: Azmacort (triamcinolone)
12	RMU04A1A	Num	8	RMU04A1A Azmacort (triamcinolone): Puffs/day?
13	RMU04A2	Char	1	RMU04A2 Inhaled steroids used in last 3 months: Beclovent (beclomethasone)
14	RMU04A2A	Num	8	RMU04A2A Beclovent (beclomethasone): Puffs/day?
15	RMU04A3	Char	1	RMU04A3 Inhaled steroids used in last 3 months: Vanceril (beclomethasone)
16	RMU04A3A	Num	8	RMU04A3A Vanceril (beclomethasone): Puffs/day?
17	RMU04A3B	Char	1	RMU04A3B Inhaled steroids used in last 3 months: Vanceril dose
18	RMU04A4	Char	1	RMU04A4 Inhaled steroids used in last 3 months: AeroBid (blunisolide)
19	RMU04A4A	Num	8	RMU04A4A AeroBid (blunisolide): Puffs/day?
20	RMU04A5	Char	1	RMU04A5 Inhaled steroids used in last 3 months: Flovent (fluticasone)
21	RMU04A5A	Num	8	RMU04A5A Flovent (fluticasone): Puffs/day?
22	RMU04A5B	Char	1	RMU04A5B Inhaled steroids used in last 3 months: Flovent dose
23	RMU04A6	Char	1	RMU04A6 Inhaled steroids used in last 3 months: Pulmicort (budesonide)
24	RMU04A6A	Num	8	RMU04A6A Pulmicort (budesonide): Puffs/day?
25	RMU04A6B	Char	1	RMU04A6B Inhaled steroids used in last 3 months: Pulmicort dose
26	RMU04A7	Char	1	RMU04A7 Inhaled steroids used in last 3 months: Qvar (beclomethasone)
27	RMU04A7A	Num	8	RMU04A7A Qvar (beclomethasone): Puffs/day?
28	RMU04A7B	Char	1	RMU04A7B Inhaled steroids used in last 3 months: Qvar dose
29	RMU04A8	Char	1	RMU04A8 Inhaled steroids used in last 3 months: Advair (bluticasone/salmeterol)
30	RMU04A8A	Num	8	RMU04A8A Advair (bluticasone/salmeterol): Puffs/day?
31	RMU04A8B	Char	1	RMU04A8B Inhaled steroids used in last 3 months: Advair dose
32	RMU04A9	Char	1	RMU04A9 Inhaled steroids used in last 3 months: Symbicort
33	RMU04A9A	Num	8	RMU04A9A Symbicort): Puffs/day?
34	RMU04A9B	Char	1	RMU04A9B Inhaled steroids used in last 3 months: Symbicort dose
35	RMU04A10	Char	1	RMU04A10 Inhaled steroids used in last 3 months: Other, specify
36	RMU04A10A	Num	8	RMU04A10A Other, specify: Puffs/day?
37	RMU04A10B	Char	50	RMU04A10B Inhaled steroids used in last 3 months:Specify

Num	Variable	Type	Len	Label
38	RMU05	Char	1	RMU05 Inhaled bronchodilators in last three months
39	RMU05A1	Char	1	RMU05A1 Inhaled bronchodilators used in last 3 months: Albuterol (Proventil, Ventolin, ProAir)
40	RMU05A1A	Num	8	RMU05A1A Albuterol (Proventil, Ventolin, ProAir): Puffs/day?
41	RMU05A2	Char	1	RMU05A2 Inhaled bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
42	RMU05A2A	Num	8	RMU05A2A ipratropium bromide (Atrovent): Puffs/day?
43	RMU05A3	Char	1	RMU05A3 Inhaled bronchodilators used in last 3 months: ipratropium bromide/albuterol sulfate (Combivent)
44	RMU05A3A	Num	8	RMU05A3A ipratropium bromide/albuterol sulfate (Combivent): Puffs/day?
45	RMU05A4	Char	1	RMU05A4 Inhaled bronchodilators used in last 3 months: terbutaline (Brethaire, Brethine, Bricanyl)
46	RMU05A4A	Num	8	RMU05A4A terbutaline (Brethaire, Brethine, Bricanyl): Puffs/day?
47	RMU05A5	Char	1	RMU05A5 Inhaled bronchodilators used in last 3 months: formoterol (Foradil)
48	RMU05A5A	Num	8	RMU05A5A formoterol (Foradil): Puffs/day?
49	RMU05A6	Char	1	RMU05A6 Inhaled bronchodilators used in last 3 months: tiotropium (Spiriva)
50	RMU05A6A	Num	8	RMU05A6A tiotropium (Spiriva): Puffs/day?
51	RMU05A7	Char	1	RMU05A7 Inhaled bronchodilators used in last 3 months: Salmeterol (Serevent Diskus)
52	RMU05A7A	Num	8	RMU05A7A Salmeterol (Serevent Diskus): Puffs/day?
53	RMU05A8	Char	1	RMU05A8 Inhaled bronchodilators used in last 3 months: Pirbuterol (Maxair)
54	RMU05A8A	Num	8	RMU05A8A Pirbuterol (Maxair): Puffs/day?
55	RMU05A9	Char	1	RMU05A9 Inhaled bronchodilators used in last 3 months: Metaproterenol (Alupent, Metaprel)
56	RMU05A10	Char	1	RMU05A10 Inhaled bronchodilators used in last 3 months: levalbuterol (Tomalate)
57	RMU05A10A	Num	8	RMU05A10A levalbuterol (Tomalate): Puffs/day?
58	RMU05A11	Char	1	RMU05A11 Inhaled bronchodilators used in last 3 months: bitolterol (Tornalate)
59	RMU05A12	Char	1	RMU05A12 Inhaled bronchodilators used in last 3 months: epinephrine (Primatene, Bronkaid)
60	RMU05A12A	Num	8	RMU05A12A epinephrine (Primatene, Bronkaid): Puffs/day?
61	RMU05A13	Char	1	RMU05A13 Inhaled bronchodilators used in last 3 months: fluticasone/salmeterol (Advair Diskus)
62	RMU05A13A	Num	8	RMU05A13A fluticasone/salmeterol (Advair Diskus): Puffs/day?
63	RMU05A14	Char	1	RMU05A14 Inhaled bronchodilators used in last 3 months: budesonide/formoterol (Symbicort)
64	RMU05A14A	Num	8	RMU05A14A budesonide/formoterol (Symbicort): Puffs/day?
65	RMU05A15	Char	1	RMU05A15 Inhaled bronchodilators used in last 3 months: Other)
66	RMU05A15A	Num	8	RMU05A15A Other: Puffs/day?
67	RMU05A15B	Char	50	RMU05A15B Inhaled bronchodilators used in last 3 months:Specify
68	RMU06	Char	1	RMU06 Nebulized bronchodilators usage in the last three months
69	RMU06A1	Char	1	RMU06A1 nebulized bronchodilators used in last 3 months: formoterol (Perforomist)
70	RMU06A2	Char	1	RMU06A2 nebulized bronchodilators used in last 3 months: arformoterol (Brovana)
71	RMU06A3	Char	1	RMU06A3 nebulized bronchodilators used in last 3 months: albuterol and ipratropium bromide (DuoNeb)
72	RMU06A4	Char	1	RMU06A4 nebulized bronchodilators used in last 3 months: albuterol (Proventil, Ventolin, ProAir)
73	RMU06A5	Char	1	RMU06A5 nebulized bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
74	RMU07	Char	1	RMU07 Leukotriene antagonist usage in the last 3 months

Num	Variable	Type	Len	Label
75	RMU08	Char	1	RMU08 Statin medications usage in the last three months
76	RMU08A1	Char	1	RMU08A1 statin used in last 3 months: Crestor (resuvastatin)
77	RMU08A2	Char	1	RMU08A2 statin used in last 3 months: Lescol (fluvastatin)
78	RMU08A3	Char	1	RMU08A3 statin used in last 3 months: Lipitor (atorvastatin)
79	RMU08A4	Char	1	RMU08A4 statin used in last 3 months: Mevacor (lovastatin)
80	RMU08A5	Char	1	RMU08A5 statin used in last 3 months: Pravachol (pravastatin)
81	RMU08A6	Char	1	RMU08A6 statin used in last 3 months: Vytorin (ezetimibe, simvastatin)
82	RMU08A7	Char	1	RMU08A7 statin used in last 3 months: Zocor (simvastatin)
83	RMU08A8	Char	1	RMU08A8 statin used in last 3 months: Other
84	RMU08A8B	Char	50	RMU08A8B statin used in last 3 months:Specify
85	RMU09	Char	1	RMU09 Beta-blocker medications usage in the last three months
86	RMU09A1	Char	1	RMU09A1 beta blocker used in last 3 months: Atenolol (tenormin, tenoretic)
87	RMU09A2	Char	1	RMU09A2 beta blocker used in last 3 months: Metoprolol (lopresor, toprol)
88	RMU09A3	Char	1	RMU09A3 beta blocker used in last 3 months: Carvedilol (coreg)
89	RMU09A4	Char	1	RMU09A4 beta blocker used in last 3 months: Labetalol (trandate, normodyne)
90	RMU09A5	Char	1	RMU09A5 beta blocker used in last 3 months: Propranalol (Inderal, Inderide)
91	RMU09A6	Char	1	RMU09A6 beta blocker used in last 3 months: Sotalol (Betapace, Sorine)
92	RMU09A7	Char	1	RMU09A7 beta blocker used in last 3 months: Timolol (Blocadren, timolide)
93	RMU09A8	Char	1	RMU09A8 beta blocker used in last 3 months: bisoprolol (zebeta, ziac)
94	RMU09A9	Char	1	RMU09A9 beta blocker used in last 3 months: pindolol (visken)
95	RMU09A10	Char	1	RMU09A10 beta blocker used in last 3 months: Other
96	RMU09A10B	Char	50	RMU09A10B beta blocker used in last 3 months:Specify
97	RMU10	Char	1	RMU10 Oral anti-oxidant supplements usage in the past three months
98	RMU10A1	Char	1	RMU10A1 oral anti-oxidants used in last 3 months: Vitamin C (ascorbic acid)
99	RMU10A2	Char	1	RMU10A2 oral anti-oxidants used in last 3 months: Vitamin E (alpha-tocopherol)
100	RMU10A3	Char	1	RMU10A3 oral anti-oxidants used in last 3 months: beta carotene
101	RMU10A4	Char	1	RMU10A4 oral anti-oxidants used in last 3 months: zinc
102	RMU10A5	Char	1	RMU10A5 oral anti-oxidants used in last 3 months: copper
103	RMU10A6	Char	1	RMU10A6 oral anti-oxidants used in last 3 months: fish oil
104	RMU10A7	Char	1	RMU10A7 oral anti-oxidants used in last 3 months: omega 3
105	RMU10A8	Char	1	RMU10A8 oral anti-oxidants used in last 3 months: Other
106	RMU11	Char	1	RMU11 Aspirin usage
107	RMU12H	Char	50	RMU12H Other Medication taken in the last 3 months
108	RMU12I	Char	50	RMU12I Other Medication taken in the last 3 months
109	RMU13D	Char	50	RMU13D Other Supplement taken in the last 3 months
110	RMU13E	Char	50	RMU13E Other Supplement taken in the last 3 months
111	RMU13F	Char	50	RMU13F Other Supplement taken in the last 3 months
112	RMU13G	Char	50	RMU13G Other Supplement taken in the last 3 months
113	RMU13H	Char	50	RMU13H Other Supplement taken in the last 3 months

Num	Variable	Type	Len	Label
114	RMU13I	Char	50	RMU13I Other Supplement taken in the last 3 months
115	VERSION	Char	21	VERSION
116	RMU0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_sdf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SDF01	Char	1	SDF01 Exhaled CO Measured
5	SDF01A	Num	8	SDF01A Monitor number
6	SDF01B	Num	8	SDF01B eCO Measurement 1
7	SDF01C	Num	8	SDF01C eCO Measurement 2
8	SDF02	Char	1	SDF02 Pre-bronchodilator spirometry
9	SDF02A	Char	5	SDF02A Time pre-BD slow vital capacity procedure began
10	SDF02A_AMPM	Char	1	SDF02A_AMPM AM/PM
11	SDF03A	Num	8	SDF03A Pre-BD Inspiratory Capacity
12	SDF03B	Num	8	SDF03B Pre-BD Expiratory slow vital capacity
13	SDF03C	Num	8	SDF03C Pre-BD FEV1
14	SDF03D	Num	8	SDF03D Pre-BD FVC
15	SDF04	Char	1	SDF04 Post-bronchodilator spirometry
16	SDF04A	Char	5	SDF04A Time first puff of bronchodilator administered
17	SDF04A_AMPM	Char	1	SDF04A_AMPM AM/PM
18	SDF04B	Char	5	SDF04B Time post-BD slow vital capacity procedure began
19	SDF04B_AMPM	Char	1	SDF04B_AMPM AM/PM
20	SDF05A	Num	8	SDF05A Post-BD Inspiratory Capacity
21	SDF05B	Num	8	SDF05B Post-BD Expiratory slow vital capacity
22	SDF05C	Num	8	SDF05C Post-BD FEV1
23	SDF05D	Num	8	SDF05D Post-BD FVC
24	SDF06	Char	1	SDF06 Post-BD Meet ATS-ERS requirements
25	SDF07	Char	1	SDF07 Complications during spirometry
26	VERSION	Char	21	Version
27	SDF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_sfh_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFH01	Num	8	SFH01 General Health
5	SFH02A	Num	8	SFH02A Limitations on moderate activites
6	SFH02B	Num	8	SFH02B Limitations on difficult activities
7	SFH03A	Char	1	SFH03A Limited in accomplishing tasks
8	SFH03B	Char	1	SFH03B Limited in daily activities
9	SFH04A	Char	1	SFH04A Emotional limitations on activities
10	SFH04B	Char	1	SHF04B Emotional limitations on daily life
11	SFH05	Num	8	SFH05 Pain interfering with normal work
12	SFH06A	Num	8	SFH06A Feeling calm
13	SFH06B	Num	8	SFH06B Energy level
14	SFH06C	Num	8	SFH06C Feeling depressed
15	SFH07	Num	8	SFH07 Physical/emotional health interfering with social life
16	VERSION	Char	21	Version
17	SFH_BP04	Num	8	Year 3 SFH bodily pain
18	SFH_GH04	Num	8	Year 3 SFH general health
19	SFH_MCS04	Num	8	Year 3 SFH mental component summary
20	SFH_MH04	Num	8	Year 3 SFH mental health
21	SFH_PCS04	Num	8	Year 3 SFH physical component summary
22	SFH_PF04	Num	8	Year 3 SFH physical functioning
23	SFH_RE04	Num	8	Year 3 SFH role emotion
24	SFH_RP04	Num	8	Year 3 SFH role physical
25	SFH_SF04	Num	8	Year 3 SFH social functioning
26	SFH_VT04	Num	8	Year 3 SFH vitality
27	SFH0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_sfv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SFV01	Char	9	SFV01 study_id
5	SFV10	Char	15	SFV10 Position
6	SFV12	Num	8	SFV12 visit_num
7	SFV13	Num	8	SFV13 interval_num
8	SFV14	Num	8	SFV14 stage_num
9	SFV15	Num	8	SFV15 seq_num
10	SFV16	Char	10	SFV16 vlabel
11	SFV17	Num	8	SFV17 repeats
12	SFV19	Char	15	SFV19 qa_grade
13	SFV20	Char	15	SFV20 qa_status
14	SFV22B	Char	8	SFV22B time
15	SFV23B	Char	8	SFV23B time_best
16	SFV24B	Char	8	SFV24B time_first
17	SFV25	Num	8	SFV25 trial_seq_num
18	SFV26	Num	8	SFV26 ranking
19	SFV27	Num	8	SFV27 temperature
20	SFV28	Num	8	SFV28 barometric
21	SFV29	Num	8	SFV29 humidity
22	SFV30	Num	8	SFV30 fevpd
23	SFV31	Num	8	SFV31 fvcpd
24	SFV32	Num	8	SFV32 fefpd
25	SFV33	Num	8	SFV33 fev1_fvcpd
26	SFV34	Num	8	SFV34 pefpd
27	SFV35	Num	8	SFV35 pctfev
28	SFV36	Num	8	SFV36 pctfvc
29	SFV37	Num	8	SFV37 pctfef2575
30	SFV38	Num	8	SFV38 pctpefr
31	SFV39	Num	8	SFV39 pctfev_fvc
32	SFV40	Num	8	SFV40 fvc
33	SFV41	Num	8	SFV41 flag_fvc_best
34	SFV42B	Char	8	SFV42B trials_time
35	SFV43	Num	8	SFV43 fev05
36	SFV44	Num	8	SFV44 fev05fvc
37	SFV45	Num	8	SFV45 fev1

Num	Variable	Type	Len	Label
38	SFV46	Num	8	SFV46 flag_fev_best
39	SFV47	Num	8	SFV47 fev1fvc
40	SFV48	Num	8	SFV48 flag_fevfvc_best
41	SFV49	Num	8	SFV49 fev3
42	SFV50	Num	8	SFV50 fev3fvc
43	SFV51	Num	8	SFV51 fev6
44	SFV52	Num	8	SFV52 fef212
45	SFV53	Num	8	SFV53 fef2575
46	SFV54	Num	8	SFV54 flag_fef2575_best
47	SFV55	Num	8	SFV55 fef25756
48	SFV56	Num	8	SFV56 fef25
49	SFV57	Num	8	SFV57 fef50
50	SFV58	Num	8	SFV58 fef506
51	SFV59	Num	8	SFV59 fef75
52	SFV60	Num	8	SFV60 fef756
53	SFV61	Num	8	SFV61 fef7585
54	SFV62	Num	8	SFV62 pefr
55	SFV63	Num	8	SFV63 flag_pefr_best
56	SFV64	Num	8	SFV64 met
57	SFV65	Num	8	SFV65 peft
58	SFV66	Num	8	SFV66 vext
59	SFV67	Num	8	SFV67 pctvext
60	SFV68	Num	8	SFV68 expt
61	SFV71	Num	8	SFV71 fivc
62	SFV72	Num	8	SFV72 fiv05
63	SFV73	Num	8	SFV73 fiv05fivc
64	SFV74	Num	8	SFV74 fiv1
65	SFV75	Num	8	SFV75 fiv1fivc
66	SFV76	Num	8	SFV76 fiv3
67	SFV77	Num	8	SFV77 pifr
68	SFV78	Num	8	SFV78 fif212
69	SFV79	Num	8	SFV79 fif2575
70	SFV80	Num	8	SFV80 mit
71	VERSION	Char	21	Version
72	SFV22A_DAYS	Num	8	Date - Days from enrollment
73	SFV23A_DAYS	Num	8	Date best - Days from enrollment
74	SFV24A_DAYS	Num	8	Date first - Days from enrollment
75	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v4_sgr_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SGR0	Char	1	SGR01 Describe current health
5	SGR01	Num	8	SGR01 chest trouble: I cough:
6	SGR02	Num	8	SGR02 chest trouble: I bring up phlegm (sputum):
7	SGR03	Num	8	SGR03 chest trouble: I have had shortness of breath:
8	SGR04	Num	8	SGR04 chest trouble: I have attacks of wheezing:
9	SGR05	Char	1	SGR05 Number of attacks
10	SGR06	Char	1	SGR06 Days with little chest trouble
11	SGR07	Char	1	SGR07 Wheeze in morning
12	SGR08	Char	1	SGR08 Describe chest condition
13	SGR09A	Char	1	SGR09A Feel breathless:Getting washed or dressed
14	SGR09B	Char	1	SGR09B Feel breathless:Walking around the home
15	SGR09C	Char	1	SGR09C Feel breathless:Walking outside on the level
16	SGR09D	Char	1	SGR09D Feel breathless:Walking up a flight of stairs
17	SGR09E	Char	1	SGR09E Feel breathless:Walking up hills
18	SGR10A	Char	1	SGR10A About cough and breathlessness: Painful cough
19	SGR10B	Char	1	SGR10B About cough and breathlessness: Tiring cough
20	SGR10C	Char	1	SGR10C About cough and breathlessness: Breathless when talking
21	SGR10D	Char	1	SGR10D About cough and breathlessness: Breathless when bending over
22	SGR10E	Char	1	SGR10E About cough and breathlessness: Coughing/breathing disturbs sleep
23	SGR10F	Char	1	SGR10F About cough and breathlessness: Easily exhausted
24	SGR11A	Char	1	SGR11A Effect of chest trouble: Embarrassed in public
25	SGR11B	Char	1	SGR11B Effect of chest trouble: Chest trouble annoys others
26	SGR11C	Char	1	SGR11C Effect of chest trouble: Feeling panicked when out of breath
27	SGR11D	Char	1	SGR11D Effect of chest trouble: Chest problem beyond control
28	SGR11E	Char	1	SGR11E Effect of chest trouble: Frail/invalid
29	SGR11F	Char	1	SGR11F Effect of chest trouble: Exercise is unsafe
30	SGR11G	Char	1	SGR11G Effect of chest trouble: Effort
31	SGR12A	Char	1	SGR12A Activities effected by respiratory problems: Long time washing/dressing
32	SGR12B	Char	1	SGR12B Activities effected by respiratory problems: Long time bathing
33	SGR12C	Char	1	SGR12C Activities effected by respiratory problems: Walking slowly/pausing often
34	SGR12D	Char	1	SGR12D Activities effected by respiratory problems: Long time doing housework
35	SGR12E	Char	1	SGR12E Activities effected by respiratory problems: Walking up stairs
36	SGR12F	Char	1	SGR12F Activities effected by respiratory problems: Difficulty walking fast

Num	Variable	Type	Len	Label
37	SGR12G	Char	1	SGR12G Activities effected by respiratory problems: Difficulty performing moderate tasks
38	SGR12H	Char	1	SGR12H Activities effected by respiratory problems: Difficulty performing hard tasks
39	SGR13A	Char	1	SGR13A Activities usually effected by chest: Cannot play sports or games
40	SGR13B	Char	1	SGR13B Activities usually effected by chest: Cannot go out for recreation
41	SGR13C	Char	1	SGR13C Activities usually effected by chest: Cannot go out shopping
42	SGR13D	Char	1	SGR13DActivities usually effected by chest: Cannot do housework
43	SGR13E	Char	1	SGR13E Activities usually effected by chest: Cannot move far from bed/chair
44	SGR14	Num	8	SGR14 Personal effects of chest trouble
45	VERSION	Char	21	Version
46	SGR_SYMPTOMSCORE04	Num	8	Year 3 SGR symptom score
47	SGR_ACTIVITYSCORE04	Num	8	Year 3 SGR activity score
48	SGR_IMPACTSCORE04	Num	8	Year 3 SGR impact score
49	SGR_TOTALSCORE04	Num	8	Year 3 SGR total score
50	SGR0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_smw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SMW01	Num	8	SMW01 Medications taken since post-bronchodilator spirometry
5	SMW01A1	Char	45	SMW01A1 Medication name
6	SMW01A2	Char	20	SMW01A2 Dose
7	SMW01A3	Char	5	SMW01A3 Time
8	SMW01A3_AMPM	Char	1	SMW01A3_AMPM AM/PM
9	SMW01B3	Char	5	SMW01B3 Time
10	SMW01B3_AMPM	Char	1	SMW01B3_AMPM AM/PM
11	SMW01C3	Char	5	SMW01C3 Time
12	SMW01C3_AMPM	Char	1	SMW01C3_AMPM AM/PM
13	SMW02	Char	1	SMW02 blood pressure taken more than 4 hours prior to SMW
14	SMW02A	Num	8	SMW02A Systolic
15	SMW02B	Num	8	SMW02B Diastolic
16	SMW03	Char	1	SMW03 Supplemental Oxygen
17	SMW03A	Num	8	SMW03A Supplemental Oxygen Flow rate
18	SMW03B	Char	1	SMW03B Flow Type
19	SMW04A	Num	8	SMW04A Oxygen saturation (SpO2) at rest prior to SMW
20	SMW04B	Num	8	SMW04B Pulse at rest prior to SMW
21	SMW05	Char	1	SMW05 Was continuous oximetry recorded?
22	SMW06	Char	5	SMW06 Start time of 6MW
23	SMW06_AMPM	Char	1	SMW06_AMPM AM/PM
24	SMW07A	Num	8	SMW07A Oxygen saturation (SpO2) immediately following SMW
25	SMW07B	Num	8	SMW07B Pulse immediately following SMW
26	SMW07C	Num	8	SMW07C Breathlessness Score immediately following SMW
27	SMW07D	Num	8	SMW07D Exertion score immediately following SMW
28	SMW08A	Char	1	SMW08A Type of SMW course used (meters, feet, or other)
29	SMW08B	Num	8	SMW08B Number of full laps
30	SMW08C	Num	8	SMW08C Distance walked final partial lap
31	SMW09	Char	1	SMW09 Stopped before 6 minutes
32	SMW09A1	Num	8	SMW09A1 Duration (minutes)
33	SMW09A2	Num	8	SMW09A2 Duration (seconds)
34	SMW09B1	Num	8	SMW09B1 Primary reason for stopping/not walking faster: Desaturation to LT 80%
35	SMW09B2	Num	8	SMW09B2 Primary reason for stopping/not walking faster: Orthopedic pain
36	SMW09B3	Num	8	SMW09B3 Primary reason for stopping/not walking faster: Muscle pain
37	SMW09B4	Num	8	SMW09B4 Primary reason for stopping/not walking faster: Breathlessness

Num	Variable	Type	Len	Label
38	SMW09B5	Num	8	SMW09B5 Primary reason for stopping/not walking faster: Adverse Event
39	SMW09B5A	Num	8	SMW09B5A SMW related AE: Angina
40	SMW09B5B	Num	8	SMW09B5B SMW related AE: Lightheadedness
41	SMW09B5C	Num	8	SMW09B5C SMW related AE: Intolerable dyspnea
42	SMW09B5D	Num	8	SMW09B5D SMW related AE: Leg cramps
43	SMW09B5E	Num	8	SMW09B5E SMW related AE: Staggering
44	SMW09B5F	Num	8	SMW09B5F SMW related AE: Diaphoresis
45	SMW09B5G	Num	8	SMW09B5G SMW related AE: Pale or ashen appearance
46	SMW09B5H	Num	8	SMW09B5H SMW related AE: Mental confusion or headache
47	SMW09B5I	Num	8	SMW09B5I SMW related AE: Other
48	SMW09B5ISP	Char	100	SMW09B5ISP Explain other AE related to SMW
49	VERSION	Char	21	Version
50	SMW0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: v4_ssv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	SSV01	Char	9	SSV01 study_id
5	SSV10	Char	15	SSV10 position
6	SSV12	Num	8	SSV12 visit_num
7	SSV13	Num	8	SSV13 interval_num
8	SSV14	Num	8	SSV14 stage_num
9	SSV15	Num	8	SSV15 seq_num
10	SSV16	Char	5	SSV16 vlabel
11	SSV17	Num	8	SSV17 repeats
12	SSV19	Char	15	SSV19 qa_grade
13	SSV20	Char	15	SSV20 qa_status
14	SSV22B	Char	8	SSV22B time
15	SSV23B	Char	8	SSV23B time_best
16	SSV24B	Char	8	SSV24B time_first
17	SSV25B	Char	8	SSV25B trials_time
18	SSV26	Num	8	SSV26 trial_seq_num
19	SSV27	Num	8	SSV27 ranking
20	SSV28	Num	8	SSV28 temperature
21	SSV29	Num	8	SSV29 barometric
22	SSV30	Num	8	SSV30 humidity
23	SSV31	Num	8	SSV31 pre_washout_1
24	SSV33	Num	8	SSV33 svc
25	SSV34	Num	8	SSV34 svcpd
26	SSV35	Num	8	SSV35 pctsvc
27	SSV36	Num	8	SSV36 flag_svc_best
28	SSV37	Num	8	SSV37 ic
29	SSV38	Num	8	SSV38 irv
30	SSV39	Num	8	SSV39 erv
31	SSV40	Num	8	SSV40 tv
32	VERSION	Char	21	Version
33	SSV22A_DAYS	Num	8	Date - Days from enrollment
34	SSV23A_DAYS	Num	8	Date best - Days from enrollment
35	SSV24A_DAYS	Num	8	Date first - Days from enrollment
36	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: v4_vsa_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	FORM	Char	10	Form
3	VISIT	Char	10	Visit
4	VSA01	Char	1	VSA01 1 MET
5	VSA02	Char	1	VSA02 2 METs
6	VSA03	Char	1	VSA03 3 METs
7	VSA04	Char	1	VSA04 4 METs
8	VSA05	Char	1	VSA05 5 METs
9	VSA06	Char	1	VSA06 6 METs
10	VSA07	Char	1	VSA07 7 METs
11	VSA08	Char	1	VSA08 8 METs
12	VSA09	Char	1	VSA09 9 METs
13	VSA10	Char	1	VSA10 10 METs
14	VSA11	Char	1	VSA11 11 METs
15	VSA12	Char	1	VSA12 12 METs
16	VSA13	Char	1	VSA13 13 METs
17	VERSION	Char	21	Version
18	VSASCORE04	Num	8	Year 3 veteran specific activity score
19	VSA0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: arup_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	ANAB_URN	Char	14	Anabasine level. Anabasine is a minor alkaloid in the tobacco plant and is a biomarker of active tobacco use. However, anabasine is detected in the urine of approximately 5% of non-tobacco users.
3	COT_3H_URN	Char	14	Cotinine 3OH level. Nicotine is metabolized to cotinine, and 3-OH-cotinine is a metabolite of cotinine. This metabolite may persist beyond 2 weeks of abstinence from nicotine use.
4	CRT_DL_URINE	Char	14	Urine creatinine level
5	COT_URN	Char	14	Cotinine level. Cotinine is the major metabolite of nicotine and has a half-life of approximately 16 hours.
6	NRNC_URN	Char	14	Nornicotine level. Nornicotine may be present in tobacco products or may result from metabolism of nicotine.
7	NIC_URN	Char	14	Nicotine level
8	ANAB_URN_UNIT	Char	8	Anabasine unit
9	COT_3H_URN_UNIT	Char	8	Cotinine 3OH unit
10	CRT_DL_URINE_UNIT	Char	8	Urine creatinine unit
11	COT_URN_UNIT	Char	8	Cotinine unit
12	NRNC_URN_UNIT	Char	8	Nornicotine unit
13	NIC_URN_UNIT	Char	8	Nicotine unit
14	VISIT	Char	10	Visit
15	NICOTINE_UR	Num	8	Indicator if nicotine levels are elevated (1 - Nic_URN>2, 0 - Nic_URN<=2)
16	COTININE_UR	Num	8	Indicator if cotinine levels are elevated (1 - Cot_URN>5, 0 - Cot_URN<=5)
17	COTININE_3OH_UR	Num	8	Indicator if cotinine 3OH levels are elevated (1 - Cot_3H_URN>50, 0 - Cot_3H_URN<=50)
18	NORNICOTINE_UR	Num	8	Indicator if nornicotine levels are elevated (1 - NRNC_URN>2, 0 - NRNC_URN<=2)
19	ANABASINE_UR	Num	8	Indicator if anabsine levels are elevated (1 - ANAB_URN>3, 0 - ANAB_URN<=3)

Data Set Name: biomark_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	ADIPOQ_RAW	Char	7	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
3	SERPINA1_RAW	Char	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
4	A2M_RAW	Char	7	Alpha-2-Macroglobulin (A2M)
5	ANGPT1_RAW	Char	5	Angiopoietin 1 (ANGPT1)
6	SLPI_RAW	Char	6	Secretory leukocyte peptidase inhibitor (SLPI)
7	LPA_RAW	Char	7	Lipoprotein, (Lp(a) (LPA)
8	AXL_RAW	Char	6	AXL Receptor Tyrosine Kinase (AXL)
9	B2M_RAW	Char	8	Beta-2-microglobulin (B2M)
10	BDNF_RAW	Char	6	Brain-derived neurotrophic factor (BDNF)
11	CRP_RAW	Char	8	C-reactive protein, pentraxin-related (CRP)
12	CDH1_RAW	Char	5	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
13	CDH13_RAW	Char	5	Cadherin 13, H-cadherin (heart) (CDH13)
14	CA9_RAW	Char	5	Carbonic anhydrase IX (CA9)
15	CEACAM1_RAW	Char	5	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
16	CCL16_RAW	Char	6	Chemokine (C-C motif) ligand 16 (CCL16)
17	CHGA_RAW	Char	5	Chromogranin A (parathyroid secretory protein 1) (CHGA)
18	C3_RAW	Char	8	Complement component C3 (C3)
19	CKM_CKB_RAW	Char	5	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
20	CSTB_RAW	Char	6	Cystatin B (stefin B) (CSTB)
21	DCN_RAW	Char	5	Decorin (DCN)
22	SELE_RAW	Char	5	Selectin E (SELE)
23	S100A12_RAW	Char	6	S100 calcium binding protein A12 (ENRAGE)
24	CCL11_RAW	Char	5	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
25	CCL24_RAW	Char	5	Chemokine (C-C motif) ligand 24 (CCL24)
26	CXCL5_RAW	Char	6	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
27	F7_RAW	Char	5	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
28	FAS_RAW	Char	5	Fas cell surface death receptor (FAS)
29	FABP3_RAW	Char	5	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
30	FTL_FTH1_RAW	Char	6	Ferritin [FT(L/H1)]
31	FGA_FGB_FGG_RAW	Char	8	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
32	CSF2_RAW	Char	5	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
33	CXCL1_RAW	Char	5	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
34	HP_RAW	Char	8	Haptoglobin (HP)
35	HGF_RAW	Char	5	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)

Num	Variable	Type	Len	Label
36	IGA_RAW	Char	8	Immunoglobulin A (IgA)
37	IGE_RAW	Char	5	Immunoglobulin E (IgE)
38	IGM_RAW	Char	8	Immunoglobulin M
39	ICAM1_RAW	Char	5	Intercellular Adhesion Molecule 1 (ICAM1)
40	IFNG_RAW	Char	5	Interferon, gamma (IFNG)
41	CXCL10_RAW	Char	5	Chemokine (C-X-C motif) ligand 10 (CXCL10)
42	IL1A_RAW	Char	8	Interleukin 1, alpha (IL1A)
43	IL1B_RAW	Char	5	Interleukin 1, beta (IL1B)
44	IL1RN_RAW	Char	5	Interleukin 1 receptor antagonist (IL1RN)
45	IL2_RAW	Char	5	Interleukin 2 (IL2)
46	IL2RA_RAW	Char	5	Interleukin 2 receptor, alpha (IL2RA)
47	IL3_RAW	Char	7	Interleukin 3 (IL3)
48	IL4_RAW	Char	5	Interleukin 4 (IL4)
49	IL5_RAW	Char	5	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
50	IL6_RAW	Char	5	Interleukin 6 (interferon, beta 2) (IL6)
51	IL6R_RAW	Char	6	Interleukin-6 receptor (IL6R)
52	IL7_RAW	Char	5	Interleukin 7 (IL7)
53	IL8_RAW	Char	5	Interleukin 8 (IL8)
54	IL10_RAW	Char	5	Interleukin 10 (IL10)
55	IL12B_RAW	Char	5	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
56	IL12A_IL12B_RAW	Char	5	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
57	IL13_RAW	Char	5	Interleukin 13 (IL13)
58	IL15_RAW	Char	5	Interleukin 15 (IL15)
59	IL16_RAW	Char	5	Interleukin 16 (IL16)
60	IL17A_RAW	Char	5	Interleukin 17 (IL17A)
61	IL18_RAW	Char	5	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
62	IL18BP_RAW	Char	6	Interleukin 18 binding protein (IL18BP)
63	IL23A_RAW	Char	5	Interleukin 23, alpha subunit p19 (IL23A)
64	LTF_RAW	Char	5	Lactotransferrin
65	TGFB1_LAP_RAW	Char	5	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
66	OLR1_RAW	Char	5	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
67	CCL22_RAW	Char	5	chemokine (C-C motif) ligand 22 (CCL22)
68	CCL3_RAW	Char	5	Chemokine (C-C motif) ligand 3 (CCL3)
69	CCL4_RAW	Char	5	Chemokine (C-C motif) ligand 4 (CCL4)
70	CCL20_RAW	Char	5	Chemokine (C-C motif) ligand 20 (CCL20)
71	KIT_RAW	Char	6	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
72	MMP3_RAW	Char	6	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
73	MMP9_RAW	Char	5	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)

Num	Variable	Type	Len	Label
74	MDK_RAW	Char	5	Midkine (neurite growth-promoting factor 2) (MDK)
75	CCL2_RAW	Char	5	Chemokine (C-C motif) ligand 2 (CCL2)
76	CCL8_RAW	Char	5	Chemokine (C-C motif) ligand 8 (CCL8)
77	CCL13_RAW	Char	5	Chemokine (C-C motif) ligand 13 (CCL13)
78	CXCL9_RAW	Char	5	Chemokine (C-X-C motif) ligand 9 (CXCL9)
79	CCL23_RAW	Char	6	Chemokine (C-C motif) ligand 23 (CCL23)
80	MB_RAW	Char	5	Myoglobin (MB)
81	NPPB_PH_RAW	Char	5	Natriuretic peptide (NPPB; N-terminal prohormone)
82	NGF_RAW	Char	6	Nerve growth gactor (beta polypeptide) (NGF)
83	NRCAM_RAW	Char	5	Neuronal Cell Adhesion Molecule (NRCAM)
84	TNFRSF11B_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
85	SPINK1_RAW	Char	7	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
86	SERPINE1_RAW	Char	6	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
87	PECAM1_RAW	Char	5	Platelet endothelial cell adhesion molecule (PECAM1)
88	KLK3_F_RAW	Char	7	Kallikrein-related peptidase 3 (free) (PSAF)
89	CCL18_RAW	Char	6	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
90	SFTPD_RAW	Char	5	Surfactant protein D (SFTPD)
91	AGER_RAW	Char	5	Advanced glycosylation end product-specific receptor (AGER)
92	S100B_RAW	Char	5	S100 calcium binding protein B (S100B)
93	APCS_RAW	Char	8	Amyloid P-component, serum (APCS)
94	SHBG_RAW	Char	7	Sex Hormone-Binding Globulin (SHBG)
95	SORT1_RAW	Char	5	Sortilin 1 (SORT1)
96	KITLG_RAW	Char	5	KIT ligand (KITLG)
97	SOD1_RAW	Char	5	Superoxide Dismutase 1, soluble (SOD1)
98	CCL5_RAW	Char	7	chemokine (C-C motif) ligand 5 (CCL5)
99	THBD_RAW	Char	5	Thrombomodulin (THBD)
100	SERPINA7_RAW	Char	7	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
101	TIMP1_RAW	Char	6	TIMP metallopeptidase inhibitor 1 (TIMP1)
102	TIMP2_RAW	Char	5	TIMP metallopeptidase inhibitor 2 (TIMP2)
103	TNFRSF10C_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
104	TNF_RAW	Char	5	Tumor necrosis factor (TNF)
105	LTA_RAW	Char	5	Lymphotoxin alpha (LTA)
106	TNFRSF1A_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
107	TNFRSF1B_RAW	Char	6	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
108	VCAM1_RAW	Char	6	Vascular cell adhesion molecule 1 (VCAM1)
109	VEGFA_RAW	Char	5	Vascular endothelial growth factor (VEGFA)
110	GC_RAW	Char	8	Group-specific component (vitamin D binding protein) (GC)

Num	Variable	Type	Len	Label
111	VTN_RAW	Char	5	Vitronectin
112	VWF_RAW	Char	7	von Willebrand Factor (vWF)
113	A2M_UNIT	Char	7	Analyte unit
114	ADIPOQ_UNIT	Char	7	Analyte unit
115	AGER_UNIT	Char	5	Analyte unit
116	ANGPT1_UNIT	Char	5	Analyte unit
117	APCS_UNIT	Char	8	Analyte unit
118	AXL_UNIT	Char	6	Analyte unit
119	B2M_UNIT	Char	8	Analyte unit
120	BDNF_UNIT	Char	6	Analyte unit
121	C3_UNIT	Char	8	Analyte unit
122	CA9_UNIT	Char	5	Analyte unit
123	CCL2_UNIT	Char	5	Analyte unit
124	CCL3_UNIT	Char	5	Analyte unit
125	CCL4_UNIT	Char	5	Analyte unit
126	CCL5_UNIT	Char	7	Analyte unit
127	CCL8_UNIT	Char	5	Analyte unit
128	CCL11_UNIT	Char	5	Analyte unit
129	CCL13_UNIT	Char	5	Analyte unit
130	CCL16_UNIT	Char	6	Analyte unit
131	CCL18_UNIT	Char	6	Analyte unit
132	CCL20_UNIT	Char	5	Analyte unit
133	CCL22_UNIT	Char	5	Analyte unit
134	CCL23_UNIT	Char	6	Analyte unit
135	CCL24_UNIT	Char	5	Analyte unit
136	CDH1_UNIT	Char	5	Analyte unit
137	CDH13_UNIT	Char	5	Analyte unit
138	CEACAM1_UNIT	Char	5	Analyte unit
139	CHGA_UNIT	Char	5	Analyte unit
140	CKM_CKB_UNIT	Char	5	Analyte unit
141	CRP_UNIT	Char	8	Analyte unit
142	CSF2_UNIT	Char	5	Analyte unit
143	CSTB_UNIT	Char	6	Analyte unit
144	CXCL1_UNIT	Char	5	Analyte unit
145	CXCL5_UNIT	Char	6	Analyte unit
146	CXCL9_UNIT	Char	5	Analyte unit
147	CXCL10_UNIT	Char	5	Analyte unit
148	DCN_UNIT	Char	5	Analyte unit
149	F7_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
150	FABP3_UNIT	Char	5	Analyte unit
151	FAS_UNIT	Char	5	Analyte unit
152	FGA_FGB_FGG_UNIT	Char	8	Analyte unit
153	FTL_FTH1_UNIT	Char	6	Analyte unit
154	GC_UNIT	Char	8	Analyte unit
155	HGF_UNIT	Char	5	Analyte unit
156	HP_UNIT	Char	8	Analyte unit
157	ICAM1_UNIT	Char	5	Analyte unit
158	IFNG_UNIT	Char	5	Analyte unit
159	IGA_UNIT	Char	8	Analyte unit
160	IGE_UNIT	Char	5	Analyte unit
161	IGM_UNIT	Char	8	Analyte unit
162	IL2_UNIT	Char	5	Analyte unit
163	IL3_UNIT	Char	7	Analyte unit
164	IL4_UNIT	Char	5	Analyte unit
165	IL5_UNIT	Char	5	Analyte unit
166	IL6_UNIT	Char	5	Analyte unit
167	IL7_UNIT	Char	5	Analyte unit
168	IL8_UNIT	Char	5	Analyte unit
169	IL10_UNIT	Char	5	Analyte unit
170	IL13_UNIT	Char	5	Analyte unit
171	IL15_UNIT	Char	5	Analyte unit
172	IL16_UNIT	Char	5	Analyte unit
173	IL18_UNIT	Char	5	Analyte unit
174	IL12A_IL12B_UNIT	Char	5	Analyte unit
175	IL12B_UNIT	Char	5	Analyte unit
176	IL17A_UNIT	Char	5	Analyte unit
177	IL18BP_UNIT	Char	6	Analyte unit
178	IL1A_UNIT	Char	8	Analyte unit
179	IL1B_UNIT	Char	5	Analyte unit
180	IL1RN_UNIT	Char	5	Analyte unit
181	IL23A_UNIT	Char	5	Analyte unit
182	IL2RA_UNIT	Char	5	Analyte unit
183	IL6R_UNIT	Char	6	Analyte unit
184	KIT_UNIT	Char	6	Analyte unit
185	KITLG_UNIT	Char	5	Analyte unit
186	KLK3_F_UNIT	Char	7	Analyte unit
187	LPA_UNIT	Char	7	Analyte unit
188	LTA_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
189	LTF_UNIT	Char	5	Analyte unit
190	MB_UNIT	Char	5	Analyte unit
191	MDK_UNIT	Char	5	Analyte unit
192	MMP3_UNIT	Char	6	Analyte unit
193	MMP9_UNIT	Char	5	Analyte unit
194	NGF_UNIT	Char	6	Analyte unit
195	NPPB_PH_UNIT	Char	5	Analyte unit
196	NRCAM_UNIT	Char	5	Analyte unit
197	OLR1_UNIT	Char	5	Analyte unit
198	PECAM1_UNIT	Char	5	Analyte unit
199	S100A12_UNIT	Char	6	Analyte unit
200	S100B_UNIT	Char	5	Analyte unit
201	SELE_UNIT	Char	5	Analyte unit
202	SERPINA1_UNIT	Char	8	Analyte unit
203	SERPINA7_UNIT	Char	7	Analyte unit
204	SERPINE1_UNIT	Char	6	Analyte unit
205	SFTPD_UNIT	Char	5	Analyte unit
206	SHBG_UNIT	Char	7	Analyte unit
207	SLPI_UNIT	Char	6	Analyte unit
208	SOD1_UNIT	Char	5	Analyte unit
209	SORT1_UNIT	Char	5	Analyte unit
210	SPINK1_UNIT	Char	7	Analyte unit
211	TGFB1_LAP_UNIT	Char	5	Analyte unit
212	THBD_UNIT	Char	5	Analyte unit
213	TIMP1_UNIT	Char	6	Analyte unit
214	TIMP2_UNIT	Char	5	Analyte unit
215	TNF_UNIT	Char	5	Analyte unit
216	TNFRSF10C_UNIT	Char	5	Analyte unit
217	TNFRSF11B_UNIT	Char	5	Analyte unit
218	TNFRSF1A_UNIT	Char	5	Analyte unit
219	TNFRSF1B_UNIT	Char	6	Analyte unit
220	VCAM1_UNIT	Char	6	Analyte unit
221	VEGFA_UNIT	Char	5	Analyte unit
222	VTN_UNIT	Char	5	Analyte unit
223	VWF_UNIT	Char	7	Analyte unit
224	ADIPOQ_SF	Char	5	scaling factor for Adiponectin, C1Q and collagen domain containing (ADIPOQ)
225	SERPINA1_SF	Char	5	scaling factor for Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
226	A2M_SF	Char	5	scaling factor for Alpha-2-Macroglobulin (A2M)

Num	Variable	Type	Len	Label
227	ANGPT1_SF	Char	5	scaling factor for Angiopoietin 1 (ANGPT1)
228	SLPI_SF	Char	5	scaling factor for Secretory leukocyte peptidase inhibitor (SLPI)
229	LPA_SF	Char	5	scaling factor for Lipoprotein, (Lp(a) (LPA)
230	AXL_SF	Char	5	scaling factor for AXL Receptor Tyrosine Kinase (AXL)
231	B2M_SF	Char	5	scaling factor for Beta-2-microglobulin (B2M)
232	BDNF_SF	Char	5	scaling factor for Brain-derived neurotrophic factor (BDNF)
233	CRP_SF	Char	5	scaling factor for C-reactive protein, pentraxin-related (CRP)
234	CDH1_SF	Char	5	scaling factor for Cadherin, type 1, E-cadherin (epithelial) (CDH1)
235	CDH13_SF	Char	5	scaling factor for Cadherin 13, H-cadherin (heart) (CDH13)
236	CA9_SF	Char	5	scaling factor for Carbonic anhydrase IX (CA9)
237	CEACAM1_SF	Char	5	scaling factor for Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
238	CCL16_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 16 (CCL16)
239	CHGA_SF	Char	5	scaling factor for Chromogranin A (parathyroid secretory protein 1) (CHGA)
240	C3_SF	Char	5	scaling factor for Complement component C3 (C3)
241	CKM_CKB_SF	Char	5	scaling factor for Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
242	CSTB_SF	Char	5	scaling factor for Cystatin B (stefin B) (CSTB)
243	DCN_SF	Char	5	scaling factor for Decorin (DCN)
244	SELE_SF	Char	5	scaling factor for Selectin E (SELE)
245	S100A12_SF	Char	5	scaling factor for S100 calcium binding protein A12 (ENRAGE)
246	CCL11_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
247	CCL24_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 24 (CCL24)
248	CXCL5_SF	Char	5	scaling factor for chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
249	F7_SF	Char	5	scaling factor for Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
250	FAS_SF	Char	5	scaling factor for Fas cell surface death receptor (FAS)
251	FABP3_SF	Char	5	scaling factor for Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
252	FTL_FTH1_SF	Char	5	scaling factor for Ferritin [FT(L/H1)]
253	FGA_FGB_FGG_SF	Char	5	scaling factor for Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
254	CSF2_SF	Char	5	scaling factor for Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
255	CXCL1_SF	Char	5	scaling factor for Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
256	HP_SF	Char	5	scaling factor for Haptoglobin (HP)
257	HGF_SF	Char	5	scaling factor for Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
258	IGA_SF	Char	5	scaling factor for Immunoglobulin A (IgA)
259	IGE_SF	Char	4	scaling factor for Immunoglobulin E (IgE)
260	IGM_SF	Char	5	scaling factor for Immunoglobulin M

Num	Variable	Type	Len	Label
261	ICAM1_SF	Char	5	scaling factor for Intercellular Adhesion Molecule 1 (ICAM1)
262	IFNG_SF	Char	5	scaling factor for Interferon, gamma (IFNG)
263	CXCL10_SF	Char	5	scaling factor for Chemokine (C-X-C motif) ligand 10 (CXCL10)
264	IL1A_SF	Char	5	scaling factor for Interleukin 1, alpha (IL1A)
265	IL1B_SF	Char	5	scaling factor for Interleukin 1, beta (IL1B)
266	IL1RN_SF	Char	5	scaling factor for Interleukin 1 receptor antagonist (IL1RN)
267	IL2_SF	Char	5	scaling factor for Interleukin 2 (IL2)
268	IL2RA_SF	Char	5	scaling factor for Interleukin 2 receptor, alpha (IL2RA)
269	IL3_SF	Char	5	scaling factor for Interleukin 3 (IL3)
270	IL4_SF	Char	5	scaling factor for Interleukin 4 (IL4)
271	IL5_SF	Char	5	scaling factor for Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
272	IL6_SF	Char	5	scaling factor for Interleukin 6 (interferon, beta 2) (IL6)
273	IL6R_SF	Char	5	scaling factor for Interleukin-6 receptor (IL6R)
274	IL7_SF	Char	5	scaling factor for Interleukin 7 (IL7)
275	IL8_SF	Char	5	scaling factor for Interleukin 8 (IL8)
276	IL10_SF	Char	5	scaling factor for Interleukin 10 (IL10)
277	IL12B_SF	Char	5	scaling factor for Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
278	IL12A_IL12B_SF	Char	5	scaling factor for Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
279	IL13_SF	Char	5	scaling factor for Interleukin 13 (IL13)
280	IL15_SF	Char	5	scaling factor for Interleukin 15 (IL15)
281	IL16_SF	Char	5	scaling factor for Interleukin 16 (IL16)
282	IL17A_SF	Char	5	scaling factor for Interleukin 17 (IL17A)
283	IL18_SF	Char	5	scaling factor for Interleukin 18 (interferon-gamma-inducing factor) (IL18)
284	IL18BP_SF	Char	5	scaling factor for Interleukin 18 binding protein (IL18BP)
285	IL23A_SF	Char	5	scaling factor for Interleukin 23, alpha subunit p19 (IL23A)
286	LTF_SF	Char	5	scaling factor for Lactotransferrin
287	TGFB1_LAP_SF	Char	5	scaling factor for Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
288	OLR1_SF	Char	5	scaling factor for Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
289	CCL22_SF	Char	5	scaling factor for chemokine (C-C motif) ligand 22 (CCL22)
290	CCL3_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 3 (CCL3)
291	CCL4_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 4 (CCL4)
292	CCL20_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 20 (CCL20)
293	KIT_SF	Char	5	scaling factor for v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
294	MMP3_SF	Char	5	scaling factor for Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
295	MMP9_SF	Char	5	scaling factor for Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)

Num	Variable	Type	Len	Label
296	MDK_SF	Char	5	scaling factor for Midkine (neurite growth-promoting factor 2) (MDK)
297	CCL2_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 2 (CCL2)
298	CCL8_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 8 (CCL8)
299	CCL13_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 13 (CCL13)
300	CXCL9_SF	Char	5	scaling factor for Chemokine (C-X-C motif) ligand 9 (CXCL9)
301	CCL23_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 23 (CCL23)
302	MB_SF	Char	5	scaling factor for Myoglobin (MB)
303	NPPB_PH_SF	Char	5	scaling factor for Natriuretic peptide (NPPB; N-terminal prohormone)
304	NGF_SF	Char	5	scaling factor for Nerve growth gactor (beta polypeptide) (NGF)
305	NRCAM_SF	Char	5	scaling factor for Neuronal Cell Adhesion Molecule (NRCAM)
306	TNFRSF11B_SF	Char	2	scaling factor for Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
307	SPINK1_SF	Char	5	scaling factor for Serine peptidase inhibitor, Kazal type 1 (SPINK1)
308	SERPINE1_SF	Char	5	scaling factor for Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
309	PECAM1_SF	Char	5	scaling factor for Platelet endothelial cell adhesion molecule (PECAM1)
310	KLK3_F_SF	Char	5	scaling factor for Kallikrein-related peptidase 3 (free) (PSAF)
311	CCL18_SF	Char	5	scaling factor for Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
312	SFTPD_SF	Char	5	scaling factor for Surfactant protein D (SFTPD)
313	AGER_SF	Char	5	scaling factor for Advanced glycosylation end product-specific receptor (AGER)
314	S100B_SF	Char	5	scaling factor for S100 calcium binding protein B (S100B)
315	APCS_SF	Char	5	scaling factor for Amyloid P-component, serum (APCS)
316	SHBG_SF	Char	6	scaling factor for Sex Hormone-Binding Globulin (SHBG)
317	SORT1_SF	Char	5	scaling factor for Sortilin 1 (SORT1)
318	KITLG_SF	Char	5	scaling factor for KIT ligand (KITLG)
319	SOD1_SF	Char	5	scaling factor for Superoxide Dismutase 1, soluble (SOD1)
320	CCL5_SF	Char	5	scaling factor for chemokine (C-C motif) ligand 5 (CCL5)
321	THBD_SF	Char	5	scaling factor for Thrombomodulin (THBD)
322	SERPINA7_SF	Char	5	scaling factor for Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
323	TIMP1_SF	Char	5	scaling factor for TIMP metallopeptidase inhibitor 1 (TIMP1)
324	TIMP2_SF	Char	5	scaling factor for TIMP metallopeptidase inhibitor 2 (TIMP2)
325	TNFRSF10C_SF	Char	5	scaling factor for Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
326	TNF_SF	Char	5	scaling factor for Tumor necrosis factor (TNF)
327	LTA_SF	Char	5	scaling factor for Lymphotoxin alpha (LTA)
328	TNFRSF1A_SF	Char	5	scaling factor for Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)

Num	Variable	Type	Len	Label
329	TNFRSF1B_SF	Char	5	scaling factor for Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
330	VCAM1_SF	Char	5	scaling factor for Vascular cell adhesion molecule 1 (VCAM1)
331	VEGFA_SF	Char	5	scaling factor for Vascular endothelial growth factor (VEGFA)
332	GC_SF	Char	5	scaling factor for Group-specific component (vitamin D binding protein) (GC)
333	VTN_SF	Char	5	scaling factor for Vitronectin
334	VWF_SF	Char	5	scaling factor for von Willebrand Factor (vWF)
335	A2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
336	A2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
337	ADIPOQ_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
338	ADIPOQ_LDD	Num	8	LDD (Least Detectable Dose) for analyte
339	AGER_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
340	AGER_LDD	Num	8	LDD (Least Detectable Dose) for analyte
341	ANGPT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
342	ANGPT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
343	APCS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
344	APCS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
345	AXL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
346	AXL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
347	B2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
348	B2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
349	BDNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
350	BDNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
351	C3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
352	C3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
353	CA9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
354	CA9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
355	CCL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
356	CCL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
357	CCL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
358	CCL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
359	CCL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
360	CCL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
361	CCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
362	CCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
363	CCL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
364	CCL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
365	CCL11_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
366	CCL11_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
367	CCL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
368	CCL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
369	CCL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
370	CCL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
371	CCL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
372	CCL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
373	CCL20_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
374	CCL20_LDD	Num	8	LDD (Least Detectable Dose) for analyte
375	CCL22_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
376	CCL22_LDD	Num	8	LDD (Least Detectable Dose) for analyte
377	CCL23_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
378	CCL23_LDD	Num	8	LDD (Least Detectable Dose) for analyte
379	CCL24_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
380	CCL24_LDD	Num	8	LDD (Least Detectable Dose) for analyte
381	CDH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
382	CDH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
383	CDH13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
384	CDH13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
385	CEACAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
386	CEACAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
387	CHGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
388	CHGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
389	CKM_CKB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
390	CKM_CKB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
391	CRP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
392	CRP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
393	CSF2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
394	CSF2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
395	CSTB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
396	CSTB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
397	CXCL1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
398	CXCL1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
399	CXCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
400	CXCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
401	CXCL9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
402	CXCL9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
403	CXCL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
404	CXCL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
405	DCN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
406	DCN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
407	F7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
408	F7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
409	FABP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
410	FABP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
411	FAS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
412	FAS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
413	FGA_FGB_FGG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
414	FGA_FGB_FGG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
415	FTL_FTH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
416	FTL_FTH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
417	GC_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
418	GC_LDD	Num	8	LDD (Least Detectable Dose) for analyte
419	HGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
420	HGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
421	HP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
422	HP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
423	ICAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
424	ICAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
425	IFNG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
426	IFNG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
427	IGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
428	IGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
429	IGE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
430	IGE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
431	IGM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
432	IGM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
433	IL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
434	IL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
435	IL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
436	IL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
437	IL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
438	IL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
439	IL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
440	IL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
441	IL6_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
442	IL6_LDD	Num	8	LDD (Least Detectable Dose) for analyte
443	IL7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
444	IL7_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
445	IL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
446	IL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
447	IL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
448	IL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
449	IL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
450	IL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
451	IL15_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
452	IL15_LDD	Num	8	LDD (Least Detectable Dose) for analyte
453	IL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
454	IL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
455	IL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
456	IL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
457	IL12A_IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
458	IL12A_IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
459	IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
460	IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
461	IL17A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
462	IL17A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
463	IL18BP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
464	IL18BP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
465	IL1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
466	IL1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
467	IL1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
468	IL1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
469	IL1RN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
470	IL1RN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
471	IL23A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
472	IL23A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
473	IL2RA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
474	IL2RA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
475	IL6R_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
476	IL6R_LDD	Num	8	LDD (Least Detectable Dose) for analyte
477	KIT_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
478	KIT_LDD	Num	8	LDD (Least Detectable Dose) for analyte
479	KITLG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
480	KITLG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
481	KLK3_F_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
482	KLK3_F_LDD	Num	8	LDD (Least Detectable Dose) for analyte
483	LPA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
484	LPA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
485	LTA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
486	LTA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
487	LTF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
488	LTF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
489	MB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
490	MB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
491	MDK_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
492	MDK_LDD	Num	8	LDD (Least Detectable Dose) for analyte
493	MMP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
494	MMP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
495	MMP9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
496	MMP9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
497	NGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
498	NGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
499	NPPB_PH_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
500	NPPB_PH_LDD	Num	8	LDD (Least Detectable Dose) for analyte
501	NRCAM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
502	NRCAM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
503	OLR1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
504	OLR1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
505	PECAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
506	PECAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
507	S100A12_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
508	S100A12_LDD	Num	8	LDD (Least Detectable Dose) for analyte
509	S100B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
510	S100B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
511	SELE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
512	SELE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
513	SERPINA1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
514	SERPINA1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
515	SERPINA7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
516	SERPINA7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
517	SERPINE1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
518	SERPINE1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
519	SFTPD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
520	SFTPD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
521	SHBG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
522	SHBG_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
523	SLPI_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
524	SLPI_LDD	Num	8	LDD (Least Detectable Dose) for analyte
525	SOD1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
526	SOD1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
527	SORT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
528	SORT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
529	SPINK1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
530	SPINK1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
531	TGFB1_LAP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
532	TGFB1_LAP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
533	THBD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
534	THBD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
535	TIMP1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
536	TIMP1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
537	TIMP2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
538	TIMP2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
539	TNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
540	TNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
541	TNFRSF10C_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
542	TNFRSF10C_LDD	Num	8	LDD (Least Detectable Dose) for analyte
543	TNFRSF11B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
544	TNFRSF11B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
545	TNFRSF1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
546	TNFRSF1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
547	TNFRSF1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
548	TNFRSF1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
549	VCAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
550	VCAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
551	VEGFA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
552	VEGFA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
553	VTN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
554	VTN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
555	VWF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
556	VWF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
557	A2M_IMPUTED	Num	8	Imputed value for A2M
558	A2M_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
559	ADIPOQ_IMPUTED	Num	8	Imputed value for ADIPOQ
560	ADIPOQ_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
561	AGER_IMPUTED	Num	8	Imputed value for AGER

Num	Variable	Type	Len	Label
562	AGER_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
563	ANGPT1_IMPUTED	Num	8	Imputed value for ANGPT1
564	ANGPT1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
565	APCS_IMPUTED	Num	8	Imputed value for APCS
566	APCS_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
567	AXL_IMPUTED	Num	8	Imputed value for AXL
568	AXL_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
569	B2M_IMPUTED	Num	8	Imputed value for B2M
570	B2M_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
571	BDNF_IMPUTED	Num	8	Imputed value for BDNF
572	BDNF_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
573	C3_IMPUTED	Num	8	Imputed value for C3
574	C3_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
575	CA9_IMPUTED	Num	8	Imputed value for CA9
576	CA9_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
577	CCL2_IMPUTED	Num	8	Imputed value for CCL2
578	CCL2_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
579	CCL3_IMPUTED	Num	8	Imputed value for CCL3
580	CCL3_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
581	CCL4_IMPUTED	Num	8	Imputed value for CCL4
582	CCL4_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
583	CCL5_IMPUTED	Num	8	Imputed value for CCL5
584	CCL5_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
585	CCL8_IMPUTED	Num	8	Imputed value for CCL8
586	CCL8_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
587	CCL11_IMPUTED	Num	8	Imputed value for CCL11
588	CCL11_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
589	CCL13_IMPUTED	Num	8	Imputed value for CCL13
590	CCL13_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
591	CCL16_IMPUTED	Num	8	Imputed value for CCL16
592	CCL16_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
593	CCL18_IMPUTED	Num	8	Imputed value for CCL18
594	CCL18_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
595	CCL20_IMPUTED	Num	8	Imputed value for CCL20
596	CCL20_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
597	CCL22_IMPUTED	Num	8	Imputed value for CCL22
598	CCL22_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
599	CCL23_IMPUTED	Num	8	Imputed value for CCL23
600	CCL23_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
601	CCL24_IMPUTED	Num	8	Imputed value for CCL24
602	CCL24_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
603	CDH1_IMPUTED	Num	8	Imputed value for CDH1
604	CDH1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
605	CDH13_IMPUTED	Num	8	Imputed value for CDH13
606	CDH13_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
607	CEACAM1_IMPUTED	Num	8	Imputed value for CEACAM1
608	CEACAM1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
609	CHGA_IMPUTED	Num	8	Imputed value for CHGA
610	CHGA_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
611	CKM_CKB_IMPUTED	Num	8	Imputed value for CKM_CKB
612	CKM_CKB_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
613	CRP_IMPUTED	Num	8	Imputed value for CRP
614	CRP_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
615	CSF2_IMPUTED	Num	8	Imputed value for CSF2
616	CSF2_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
617	CSTB_IMPUTED	Num	8	Imputed value for CSTB
618	CSTB_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
619	CXCL1_IMPUTED	Num	8	Imputed value for CXCL1
620	CXCL1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
621	CXCL5_IMPUTED	Num	8	Imputed value for CXCL5
622	CXCL5_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
623	CXCL9_IMPUTED	Num	8	Imputed value for CXCL9
624	CXCL9_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
625	CXCL10_IMPUTED	Num	8	Imputed value for CXCL10
626	CXCL10_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
627	DCN_IMPUTED	Num	8	Imputed value for DCN
628	DCN_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
629	F7_IMPUTED	Num	8	Imputed value for F7
630	F7_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
631	FABP3_IMPUTED	Num	8	Imputed value for FABP3
632	FABP3_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
633	FAS_IMPUTED	Num	8	Imputed value for FAS
634	FAS_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
635	FGA_FGB_FGG_IMPUTED	Num	8	Imputed value for FGA_FGB_FGG
636	FGA_FGB_FGG_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
637	FTL_FTH1_IMPUTED	Num	8	Imputed value for FTL_FTH1
638	FTL_FTH1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
639	GC_IMPUTED	Num	8	Imputed value for GC

Num	Variable	Type	Len	Label
640	GC_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
641	HGF_IMPUTED	Num	8	Imputed value for HGF
642	HGF_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
643	HP_IMPUTED	Num	8	Imputed value for HP
644	HP_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
645	ICAM1_IMPUTED	Num	8	Imputed value for ICAM1
646	ICAM1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
647	IFNG_IMPUTED	Num	8	Imputed value for IFNG
648	IFNG_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
649	IGA_IMPUTED	Num	8	Imputed value for IGA
650	IGA_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
651	IGE_IMPUTED	Num	8	Imputed value for IGE
652	IGE_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
653	IGM_IMPUTED	Num	8	Imputed value for IGM
654	IGM_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
655	IL2_IMPUTED	Num	8	Imputed value for IL2
656	IL2_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
657	IL3_IMPUTED	Num	8	Imputed value for IL3
658	IL3_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
659	IL4_IMPUTED	Num	8	Imputed value for IL4
660	IL4_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
661	IL5_IMPUTED	Num	8	Imputed value for IL5
662	IL5_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
663	IL6_IMPUTED	Num	8	Imputed value for IL6
664	IL6_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
665	IL7_IMPUTED	Num	8	Imputed value for IL7
666	IL7_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
667	IL8_IMPUTED	Num	8	Imputed value for IL8
668	IL8_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
669	IL10_IMPUTED	Num	8	Imputed value for IL10
670	IL10_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
671	IL13_IMPUTED	Num	8	Imputed value for IL13
672	IL13_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
673	IL15_IMPUTED	Num	8	Imputed value for IL15
674	IL15_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
675	IL16_IMPUTED	Num	8	Imputed value for IL16
676	IL16_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
677	IL18_IMPUTED	Num	8	Imputed value for IL18
678	IL18_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
679	IL12A_IL12B_IMPUTED	Num	8	Imputed value for IL12A_IL12B
680	IL12A_IL12B_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
681	IL12B_IMPUTED	Num	8	Imputed value for IL12B
682	IL12B_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
683	IL17A_IMPUTED	Num	8	Imputed value for IL17A
684	IL17A_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
685	IL18BP_IMPUTED	Num	8	Imputed value for IL18BP
686	IL18BP_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
687	IL1A_IMPUTED	Num	8	Imputed value for IL1A
688	IL1A_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
689	IL1B_IMPUTED	Num	8	Imputed value for IL1B
690	IL1B_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
691	IL1RN_IMPUTED	Num	8	Imputed value for IL1RN
692	IL1RN_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
693	IL23A_IMPUTED	Num	8	Imputed value for IL23A
694	IL23A_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
695	IL2RA_IMPUTED	Num	8	Imputed value for IL2RA
696	IL2RA_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
697	IL6R_IMPUTED	Num	8	Imputed value for IL6R
698	IL6R_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
699	KIT_IMPUTED	Num	8	Imputed value for KIT
700	KIT_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
701	KITLG_IMPUTED	Num	8	Imputed value for KITLG
702	KITLG_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
703	KLK3_F_IMPUTED	Num	8	Imputed value for KLK3_F
704	KLK3_F_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
705	LPA_IMPUTED	Num	8	Imputed value for LPA
706	LPA_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
707	LTA_IMPUTED	Num	8	Imputed value for LTA
708	LTA_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
709	LTF_IMPUTED	Num	8	Imputed value for LTF
710	LTF_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
711	MB_IMPUTED	Num	8	Imputed value for MB
712	MB_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
713	MDK_IMPUTED	Num	8	Imputed value for MDK
714	MDK_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
715	MMP3_IMPUTED	Num	8	Imputed value for MMP3
716	MMP3_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
717	MMP9_IMPUTED	Num	8	Imputed value for MMP9

Num	Variable	Type	Len	Label
718	MMP9_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
719	NGF_IMPUTED	Num	8	Imputed value for NGF
720	NGF_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
721	NPPB_PH_IMPUTED	Num	8	Imputed value for NPPB_PH
722	NPPB_PH_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
723	NRCAM_IMPUTED	Num	8	Imputed value for NRCAM
724	NRCAM_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
725	OLR1_IMPUTED	Num	8	Imputed value for OLR1
726	OLR1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
727	PECAM1_IMPUTED	Num	8	Imputed value for PECAM1
728	PECAM1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
729	S100A12_IMPUTED	Num	8	Imputed value for S100A12
730	S100A12_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
731	S100B_IMPUTED	Num	8	Imputed value for S100B
732	S100B_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
733	SELE_IMPUTED	Num	8	Imputed value for SELE
734	SELE_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
735	SERPINA1_IMPUTED	Num	8	Imputed value for SERPINA1
736	SERPINA1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
737	SERPINA7_IMPUTED	Num	8	Imputed value for SERPINA7
738	SERPINA7_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
739	SERPINE1_IMPUTED	Num	8	Imputed value for SERPINE1
740	SERPINE1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
741	SFTPD_IMPUTED	Num	8	Imputed value for SFTPD
742	SFTPD_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
743	SHBG_IMPUTED	Num	8	Imputed value for SHBG
744	SHBG_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
745	SLPI_IMPUTED	Num	8	Imputed value for SLPI
746	SLPI_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
747	SOD1_IMPUTED	Num	8	Imputed value for SOD1
748	SOD1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
749	SORT1_IMPUTED	Num	8	Imputed value for SORT1
750	SORT1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
751	SPINK1_IMPUTED	Num	8	Imputed value for SPINK1
752	SPINK1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
753	TGFB1_LAP_IMPUTED	Num	8	Imputed value for TGFB1_LAP
754	TGFB1_LAP_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
755	THBD_IMPUTED	Num	8	Imputed value for THBD
756	THBD_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
757	TIMP1_IMPUTED	Num	8	Imputed value for TIMP1
758	TIMP1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
759	TIMP2_IMPUTED	Num	8	Imputed value for TIMP2
760	TIMP2_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
761	TNF_IMPUTED	Num	8	Imputed value for TNF
762	TNF_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
763	TNFRSF10C_IMPUTED	Num	8	Imputed value for TNFRSF10C
764	TNFRSF10C_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
765	TNFRSF11B_IMPUTED	Num	8	Imputed value for TNFRSF11B
766	TNFRSF11B_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
767	TNFRSF1A_IMPUTED	Num	8	Imputed value for TNFRSF1A
768	TNFRSF1A_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
769	TNFRSF1B_IMPUTED	Num	8	Imputed value for TNFRSF1B
770	TNFRSF1B_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
771	VCAM1_IMPUTED	Num	8	Imputed value for VCAM1
772	VCAM1_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
773	VEGFA_IMPUTED	Num	8	Imputed value for VEGFA
774	VEGFA_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
775	VTN_IMPUTED	Num	8	Imputed value for VTN
776	VTN_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
777	VWF_IMPUTED	Num	8	Imputed value for VWF
778	VWF_IMPUTED_FLAG	Num	8	Type of imputation applied to analyte (if any)
779	A2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
780	ADIPOQ_OUTLIER	Num	8	Flag of potential outlier values for analyte
781	AGER_OUTLIER	Num	8	Flag of potential outlier values for analyte
782	ANGPT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
783	APCS_OUTLIER	Num	8	Flag of potential outlier values for analyte
784	AXL_OUTLIER	Num	8	Flag of potential outlier values for analyte
785	B2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
786	BDNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
787	C3_OUTLIER	Num	8	Flag of potential outlier values for analyte
788	CA9_OUTLIER	Num	8	Flag of potential outlier values for analyte
789	CCL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
790	CCL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
791	CCL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
792	CCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
793	CCL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
794	CCL11_OUTLIER	Num	8	Flag of potential outlier values for analyte
795	CCL13_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
796	CCL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
797	CCL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
798	CCL20_OUTLIER	Num	8	Flag of potential outlier values for analyte
799	CCL22_OUTLIER	Num	8	Flag of potential outlier values for analyte
800	CCL23_OUTLIER	Num	8	Flag of potential outlier values for analyte
801	CCL24_OUTLIER	Num	8	Flag of potential outlier values for analyte
802	CDH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
803	CDH13_OUTLIER	Num	8	Flag of potential outlier values for analyte
804	CEACAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
805	CHGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
806	CKM_CKB_OUTLIER	Num	8	Flag of potential outlier values for analyte
807	CRP_OUTLIER	Num	8	Flag of potential outlier values for analyte
808	CSF2_OUTLIER	Num	8	Flag of potential outlier values for analyte
809	CSTB_OUTLIER	Num	8	Flag of potential outlier values for analyte
810	CXCL1_OUTLIER	Num	8	Flag of potential outlier values for analyte
811	CXCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
812	CXCL9_OUTLIER	Num	8	Flag of potential outlier values for analyte
813	CXCL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
814	DCN_OUTLIER	Num	8	Flag of potential outlier values for analyte
815	F7_OUTLIER	Num	8	Flag of potential outlier values for analyte
816	FABP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
817	FAS_OUTLIER	Num	8	Flag of potential outlier values for analyte
818	FGA_FGB_FGG_OUTLIER	Num	8	Flag of potential outlier values for analyte
819	FTL_FTH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
820	GC_OUTLIER	Num	8	Flag of potential outlier values for analyte
821	HGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
822	HP_OUTLIER	Num	8	Flag of potential outlier values for analyte
823	ICAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
824	IFNG_OUTLIER	Num	8	Flag of potential outlier values for analyte
825	IGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
826	IGE_OUTLIER	Num	8	Flag of potential outlier values for analyte
827	IGM_OUTLIER	Num	8	Flag of potential outlier values for analyte
828	IL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
829	IL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
830	IL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
831	IL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
832	IL6_OUTLIER	Num	8	Flag of potential outlier values for analyte
833	IL7_OUTLIER	Num	8	Flag of potential outlier values for analyte
834	IL8_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
835	IL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
836	IL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
837	IL15_OUTLIER	Num	8	Flag of potential outlier values for analyte
838	IL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
839	IL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
840	IL12A_IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
841	IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
842	IL17A_OUTLIER	Num	8	Flag of potential outlier values for analyte
843	IL18BP_OUTLIER	Num	8	Flag of potential outlier values for analyte
844	IL1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
845	IL1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
846	IL1RN_OUTLIER	Num	8	Flag of potential outlier values for analyte
847	IL23A_OUTLIER	Num	8	Flag of potential outlier values for analyte
848	IL2RA_OUTLIER	Num	8	Flag of potential outlier values for analyte
849	IL6R_OUTLIER	Num	8	Flag of potential outlier values for analyte
850	KIT_OUTLIER	Num	8	Flag of potential outlier values for analyte
851	KITLG_OUTLIER	Num	8	Flag of potential outlier values for analyte
852	KLK3_F_OUTLIER	Num	8	Flag of potential outlier values for analyte
853	LPA_OUTLIER	Num	8	Flag of potential outlier values for analyte
854	LTA_OUTLIER	Num	8	Flag of potential outlier values for analyte
855	LTF_OUTLIER	Num	8	Flag of potential outlier values for analyte
856	MB_OUTLIER	Num	8	Flag of potential outlier values for analyte
857	MDK_OUTLIER	Num	8	Flag of potential outlier values for analyte
858	MMP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
859	MMP9_OUTLIER	Num	8	Flag of potential outlier values for analyte
860	NGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
861	NPPB_PH_OUTLIER	Num	8	Flag of potential outlier values for analyte
862	NRCAM_OUTLIER	Num	8	Flag of potential outlier values for analyte
863	OLR1_OUTLIER	Num	8	Flag of potential outlier values for analyte
864	PECAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
865	S100A12_OUTLIER	Num	8	Flag of potential outlier values for analyte
866	S100B_OUTLIER	Num	8	Flag of potential outlier values for analyte
867	SELE_OUTLIER	Num	8	Flag of potential outlier values for analyte
868	SERPINA1_OUTLIER	Num	8	Flag of potential outlier values for analyte
869	SERPINA7_OUTLIER	Num	8	Flag of potential outlier values for analyte
870	SERPINE1_OUTLIER	Num	8	Flag of potential outlier values for analyte
871	SFTPD_OUTLIER	Num	8	Flag of potential outlier values for analyte
872	SHBG_OUTLIER	Num	8	Flag of potential outlier values for analyte
873	SLPI_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
874	SOD1_OUTLIER	Num	8	Flag of potential outlier values for analyte
875	SORT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
876	SPINK1_OUTLIER	Num	8	Flag of potential outlier values for analyte
877	TGFB1_LAP_OUTLIER	Num	8	Flag of potential outlier values for analyte
878	THBD_OUTLIER	Num	8	Flag of potential outlier values for analyte
879	TIMP1_OUTLIER	Num	8	Flag of potential outlier values for analyte
880	TIMP2_OUTLIER	Num	8	Flag of potential outlier values for analyte
881	TNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
882	TNFRSF10C_OUTLIER	Num	8	Flag of potential outlier values for analyte
883	TNFRSF11B_OUTLIER	Num	8	Flag of potential outlier values for analyte
884	TNFRSF1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
885	TNFRSF1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
886	VCAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
887	VEGFA_OUTLIER	Num	8	Flag of potential outlier values for analyte
888	VTN_OUTLIER	Num	8	Flag of potential outlier values for analyte
889	VWF_OUTLIER	Num	8	Flag of potential outlier values for analyte
890	A2M_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
891	ADIPOQ_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
892	AGER_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
893	ANGPT1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
894	APCS_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
895	AXL_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
896	B2M_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
897	BDNF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
898	C3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
899	CA9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
900	CCL2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
901	CCL3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
902	CCL4_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
903	CCL5_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
904	CCL8_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
905	CCL11_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
906	CCL13_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
907	CCL16_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
908	CCL18_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
909	CCL20_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
910	CCL22_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
911	CCL23_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
912	CCL24_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
913	CDH1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
914	CDH13_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
915	CEACAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
916	CHGA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
917	CKM_CKB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
918	CRP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
919	CSF2_NORM	Num	8	Imputed value for CSF2
920	CSTB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
921	CXCL1_NORM	Num	8	Imputed value for CXCL1
922	CXCL5_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
923	CXCL9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
924	CXCL10_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
925	DCN_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
926	F7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
927	FABP3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
928	FAS_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
929	FGA_FGB_FGG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
930	FTL_FTH1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
931	GC_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
932	HGF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
933	HP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
934	ICAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
935	IFNG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
936	IGA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
937	IGE_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
938	IGM_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
939	IL2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
940	IL3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
941	IL4_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
942	IL5_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
943	IL6_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
944	IL7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
945	IL8_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
946	IL10_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
947	IL13_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
948	IL15_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
949	IL16_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
950	IL18_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
951	IL12A_IL12B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
952	IL12B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
953	IL17A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
954	IL18BP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
955	IL1A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
956	IL1B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
957	IL1RN_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
958	IL23A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
959	IL2RA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
960	IL6R_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
961	KIT_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
962	KITLG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
963	KLK3_F_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
964	LPA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
965	LTA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
966	LTF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
967	MB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
968	MDK_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
969	MMP3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
970	MMP9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
971	NGF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
972	NPPB_PH_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
973	NRCAM_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
974	OLR1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
975	PECAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
976	S100A12_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
977	S100B_NORM	Num	8	Imputed value for S100B
978	SELE_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
979	SERPINA1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
980	SERPINA7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
981	SERPINE1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
982	SFTPD_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
983	SHBG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
984	SLPI_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
985	SOD1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
986	SORT1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
987	SPINK1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
988	TGFB1_LAP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
989	THBD_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
990	TIMP1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
991	TIMP2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
992	TNF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
993	TNFRSF10C_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
994	TNFRSF11B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
995	TNFRSF1A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
996	TNFRSF1B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
997	VCAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
998	VEGFA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
999	VTN_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1000	VWF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1001	VISIT	Char	10	Visit

Data Set Name: cyto_nhlbiv1_180314.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	CYT_RAW_IL6	Char	7	Raw value of IL6
3	CYT_IMPUT_FLAG_IL6	Num	8	Type of Imputation: IL6
4	CYT_RAW_CC16	Char	12	Raw value of CC16
5	CYT_CC16	Num	8	Imputed CC16 Value
6	CYT_IMPUT_FLAG_CC16	Num	8	Type of Imputation: CC16
7	CYT_RAW_CCL20	Char	8	Raw value of CCL20
8	CYT_CCL20	Num	8	Imputed CCL20 Value
9	CYT_IMPUT_FLAG_CCL20	Num	8	Type of Imputation: CCL20
10	CYT_RAW_GDF_15	Char	12	Raw value of GDF-15
11	CYT_GDF_15	Num	8	Imputed GDF-15 Value
12	CYT_IMPUT_FLAG_GDF_15	Num	8	Type of Imputation: GDF-15
13	CYTOKINE_BATCH	Char	7	Indicates batch number of cytokine analysis

Data Set Name: ige_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	TESTCODE	Char	4	TestCode
3	TEST_NAME	Char	9	Test Name
4	IGE_RAW_RESULT	Char	4	Raw value of IgE Result
5	IGE_IMPUT_FLAG_RESULT	Num	8	Type of Imputation: IgE Result
6	IGE_RESULT	Num	8	Imputed IgE Result Value
7	VISIT	Char	10	Visit
8	IGE_BATCH	Num	8	Indicates batch number of IgE analysis
9	COLLECT_DATE_DAYS	Num	8	Collect Date - Days from enrollment
10	RESULT_DATE_DAYS	Num	8	Result Date - Days from enrollment

Data Set Name: rbm1_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	Visit
3	A2M_UNIT	Char	5	Analyte unit
4	A2M_LOW_RANGE	Char	5	Low range for analyte
5	A2M_HIGH_RANGE	Char	5	High range for analyte
6	A2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
7	A2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
8	ADIPOQ_UNIT	Char	5	Analyte unit
9	ADIPOQ_LOW_RANGE	Char	5	Low range for analyte
10	ADIPOQ_HIGH_RANGE	Char	5	High range for analyte
11	ADIPOQ_LDD	Num	8	LDD (Least Detectable Dose) for analyte
12	ADIPOQ_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
13	AGER_UNIT	Char	5	Analyte unit
14	AGER_LOW_RANGE	Char	5	Low range for analyte
15	AGER_HIGH_RANGE	Char	5	High range for analyte
16	AGER_LDD	Num	8	LDD (Least Detectable Dose) for analyte
17	AGER_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
18	APCS_UNIT	Char	5	Analyte unit
19	APCS_LOW_RANGE	Char	5	Low range for analyte
20	APCS_HIGH_RANGE	Char	5	High range for analyte
21	APCS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
22	APCS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
23	APOA4_UNIT	Char	5	Analyte unit
24	APOA4_LOW_RANGE	Char	5	Low range for analyte
25	APOA4_HIGH_RANGE	Char	5	High range for analyte
26	APOA4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
27	APOA4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
28	B2M_UNIT	Char	6	Analyte unit
29	B2M_LOW_RANGE	Char	6	Low range for analyte
30	B2M_HIGH_RANGE	Char	6	High range for analyte
31	B2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
32	B2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
33	BDNF_UNIT	Char	5	Analyte unit
34	BDNF_LOW_RANGE	Char	5	Low range for analyte
35	BDNF_HIGH_RANGE	Char	5	High range for analyte
36	BDNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
37	BDNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
38	C3_UNIT	Char	6	Analyte unit
39	C3_LOW_RANGE	Char	6	Low range for analyte
40	C3_HIGH_RANGE	Char	6	High range for analyte
41	C3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
42	C3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
43	CCL11_UNIT	Char	5	Analyte unit
44	CCL11_LOW_RANGE	Char	5	Low range for analyte
45	CCL11_HIGH_RANGE	Char	5	High range for analyte
46	CCL11_LDD	Num	8	LDD (Least Detectable Dose) for analyte
47	CCL11_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
48	CCL13_UNIT	Char	5	Analyte unit
49	CCL13_LOW_RANGE	Char	5	Low range for analyte
50	CCL13_HIGH_RANGE	Char	5	High range for analyte
51	CCL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
52	CCL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
53	CCL2_UNIT	Char	5	Analyte unit
54	CCL2_LOW_RANGE	Char	5	Low range for analyte
55	CCL2_HIGH_RANGE	Char	5	High range for analyte
56	CCL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
57	CCL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
58	CCL20_UNIT	Char	5	Analyte unit
59	CCL20_LOW_RANGE	Char	5	Low range for analyte
60	CCL20_HIGH_RANGE	Char	5	High range for analyte
61	CCL20_LDD	Num	8	LDD (Least Detectable Dose) for analyte
62	CCL20_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
63	CCL23_UNIT	Char	5	Analyte unit
64	CCL23_LOW_RANGE	Char	5	Low range for analyte
65	CCL23_HIGH_RANGE	Char	5	High range for analyte
66	CCL23_LDD	Num	8	LDD (Least Detectable Dose) for analyte
67	CCL23_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
68	CCL24_UNIT	Char	5	Analyte unit
69	CCL24_LOW_RANGE	Char	5	Low range for analyte
70	CCL24_HIGH_RANGE	Char	5	High range for analyte
71	CCL24_LDD	Num	8	LDD (Least Detectable Dose) for analyte
72	CCL24_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
73	CCL3_UNIT	Char	5	Analyte unit
74	CCL3_LOW_RANGE	Char	5	Low range for analyte
75	CCL3_HIGH_RANGE	Char	5	High range for analyte
76	CCL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
77	CCL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
78	CCL4_UNIT	Char	5	Analyte unit
79	CCL4_LOW_RANGE	Char	5	Low range for analyte
80	CCL4_HIGH_RANGE	Char	5	High range for analyte
81	CCL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
82	CCL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
83	CCL5_UNIT	Char	5	Analyte unit
84	CCL5_LOW_RANGE	Char	5	Low range for analyte
85	CCL5_HIGH_RANGE	Char	5	High range for analyte
86	CCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
87	CCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
88	CCL8_UNIT	Char	5	Analyte unit
89	CCL8_LOW_RANGE	Char	5	Low range for analyte
90	CCL8_HIGH_RANGE	Char	5	High range for analyte
91	CCL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
92	CCL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
93	CDH1_UNIT	Char	5	Analyte unit
94	CDH1_LOW_RANGE	Char	5	Low range for analyte
95	CDH1_HIGH_RANGE	Char	5	High range for analyte
96	CDH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
97	CDH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
98	CHGA_UNIT	Char	5	Analyte unit
99	CHGA_LOW_RANGE	Char	5	Low range for analyte
100	CHGA_HIGH_RANGE	Char	5	High range for analyte
101	CHGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
102	CHGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
103	CRP_UNIT	Char	5	Analyte unit
104	CRP_LOW_RANGE	Char	5	Low range for analyte
105	CRP_HIGH_RANGE	Char	5	High range for analyte
106	CRP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
107	CRP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
108	CSF2_UNIT	Char	5	Analyte unit
109	CSF2_LOW_RANGE	Char	5	Low range for analyte
110	CSF2_HIGH_RANGE	Char	5	High range for analyte
111	CSF2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
112	CSF2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
113	CSTB_UNIT	Char	5	Analyte unit
114	CSTB_LOW_RANGE	Char	5	Low range for analyte
115	CSTB_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
116	CSTB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
117	CSTB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
118	CXCL10_UNIT	Char	5	Analyte unit
119	CXCL10_LOW_RANGE	Char	5	Low range for analyte
120	CXCL10_HIGH_RANGE	Char	5	High range for analyte
121	CXCL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
122	CXCL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
123	CXCL9_UNIT	Char	5	Analyte unit
124	CXCL9_LOW_RANGE	Char	5	Low range for analyte
125	CXCL9_HIGH_RANGE	Char	5	High range for analyte
126	CXCL9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
127	CXCL9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
128	F7_UNIT	Char	5	Analyte unit
129	F7_LOW_RANGE	Char	5	Low range for analyte
130	F7_HIGH_RANGE	Char	5	High range for analyte
131	F7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
132	F7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
133	FGA_FGB_FGG_UNIT	Char	5	Analyte unit
134	FGA_FGB_FGG_LOW_RANGE	Char	5	Low range for analyte
135	FGA_FGB_FGG_HIGH_RANGE	Char	5	High range for analyte
136	FGA_FGB_FGG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
137	FGA_FGB_FGG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
138	FTL_FTH1_UNIT	Char	5	Analyte unit
139	FTL_FTH1_LOW_RANGE	Char	5	Low range for analyte
140	FTL_FTH1_HIGH_RANGE	Char	5	High range for analyte
141	FTL_FTH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
142	FTL_FTH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
143	GC_UNIT	Char	5	Analyte unit
144	GC_LOW_RANGE	Char	5	Low range for analyte
145	GC_HIGH_RANGE	Char	5	High range for analyte
146	GC_LDD	Num	8	LDD (Least Detectable Dose) for analyte
147	GC_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
148	HP_UNIT	Char	6	Analyte unit
149	HP_LOW_RANGE	Char	6	Low range for analyte
150	HP_HIGH_RANGE	Char	6	High range for analyte
151	HP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
152	HP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
153	HSPD1_UNIT	Char	5	Analyte unit
154	HSPD1_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
155	HSPD1_HIGH_RANGE	Char	5	High range for analyte
156	HSPD1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
157	HSPD1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
158	ICAM1_UNIT	Char	5	Analyte unit
159	ICAM1_LOW_RANGE	Char	5	Low range for analyte
160	ICAM1_HIGH_RANGE	Char	5	High range for analyte
161	ICAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
162	ICAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
163	IFNG_UNIT	Char	5	Analyte unit
164	IFNG_LOW_RANGE	Char	5	Low range for analyte
165	IFNG_HIGH_RANGE	Char	5	High range for analyte
166	IFNG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
167	IFNG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
168	IGA_UNIT	Char	6	Analyte unit
169	IGA_LOW_RANGE	Char	6	Low range for analyte
170	IGA_HIGH_RANGE	Char	6	High range for analyte
171	IGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
172	IGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
173	IGM_UNIT	Char	5	Analyte unit
174	IGM_LOW_RANGE	Char	5	Low range for analyte
175	IGM_HIGH_RANGE	Char	5	High range for analyte
176	IGM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
177	IGM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
178	IL10_UNIT	Char	5	Analyte unit
179	IL10_LOW_RANGE	Char	5	Low range for analyte
180	IL10_HIGH_RANGE	Char	5	High range for analyte
181	IL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
182	IL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
183	IL12A_IL12B_UNIT	Char	5	Analyte unit
184	IL12A_IL12B_LOW_RANGE	Char	5	Low range for analyte
185	IL12A_IL12B_HIGH_RANGE	Char	5	High range for analyte
186	IL12A_IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
187	IL12A_IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
188	IL12B_UNIT	Char	5	Analyte unit
189	IL12B_LOW_RANGE	Char	5	Low range for analyte
190	IL12B_HIGH_RANGE	Char	5	High range for analyte
191	IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
192	IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
193	IL15_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
194	IL15_LOW_RANGE	Char	5	Low range for analyte
195	IL15_HIGH_RANGE	Char	5	High range for analyte
196	IL15_LDD	Num	8	LDD (Least Detectable Dose) for analyte
197	IL15_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
198	IL17A_UNIT	Char	5	Analyte unit
199	IL17A_LOW_RANGE	Char	5	Low range for analyte
200	IL17A_HIGH_RANGE	Char	5	High range for analyte
201	IL17A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
202	IL17A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
203	IL18_UNIT	Char	5	Analyte unit
204	IL18_LOW_RANGE	Char	5	Low range for analyte
205	IL18_HIGH_RANGE	Char	5	High range for analyte
206	IL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
207	IL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
208	IL1A_UNIT	Char	7	Analyte unit
209	IL1A_LOW_RANGE	Char	7	Low range for analyte
210	IL1A_HIGH_RANGE	Char	7	High range for analyte
211	IL1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
212	IL1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
213	IL1B_UNIT	Char	5	Analyte unit
214	IL1B_LOW_RANGE	Char	5	Low range for analyte
215	IL1B_HIGH_RANGE	Char	5	High range for analyte
216	IL1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
217	IL1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
218	IL1RN_UNIT	Char	5	Analyte unit
219	IL1RN_LOW_RANGE	Char	5	Low range for analyte
220	IL1RN_HIGH_RANGE	Char	5	High range for analyte
221	IL1RN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
222	IL1RN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
223	IL2_UNIT	Char	5	Analyte unit
224	IL2_LOW_RANGE	Char	5	Low range for analyte
225	IL2_HIGH_RANGE	Char	5	High range for analyte
226	IL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
227	IL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
228	IL23A_UNIT	Char	5	Analyte unit
229	IL23A_LOW_RANGE	Char	5	Low range for analyte
230	IL23A_HIGH_RANGE	Char	5	High range for analyte
231	IL23A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
232	IL23A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
233	IL2RA_UNIT	Char	5	Analyte unit
234	IL2RA_LOW_RANGE	Char	5	Low range for analyte
235	IL2RA_HIGH_RANGE	Char	5	High range for analyte
236	IL2RA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
237	IL2RA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
238	IL3_UNIT	Char	6	Analyte unit
239	IL3_LOW_RANGE	Char	6	Low range for analyte
240	IL3_HIGH_RANGE	Char	6	High range for analyte
241	IL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
242	IL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
243	IL4_UNIT	Char	5	Analyte unit
244	IL4_LOW_RANGE	Char	5	Low range for analyte
245	IL4_HIGH_RANGE	Char	5	High range for analyte
246	IL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
247	IL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
248	IL5_UNIT	Char	5	Analyte unit
249	IL5_LOW_RANGE	Char	5	Low range for analyte
250	IL5_HIGH_RANGE	Char	5	High range for analyte
251	IL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
252	IL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
253	IL6_UNIT	Char	5	Analyte unit
254	IL6_LOW_RANGE	Char	5	Low range for analyte
255	IL6_HIGH_RANGE	Char	5	High range for analyte
256	IL6_LDD	Num	8	LDD (Least Detectable Dose) for analyte
257	IL6_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
258	IL6R_UNIT	Char	5	Analyte unit
259	IL6R_LOW_RANGE	Char	5	Low range for analyte
260	IL6R_HIGH_RANGE	Char	5	High range for analyte
261	IL6R_LDD	Num	8	LDD (Least Detectable Dose) for analyte
262	IL6R_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
263	IL7_UNIT	Char	5	Analyte unit
264	IL7_LOW_RANGE	Char	5	Low range for analyte
265	IL7_HIGH_RANGE	Char	5	High range for analyte
266	IL7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
267	IL7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
268	IL8_UNIT	Char	5	Analyte unit
269	IL8_LOW_RANGE	Char	5	Low range for analyte
270	IL8_HIGH_RANGE	Char	5	High range for analyte
271	IL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
272	IL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
273	INS_INTACT_UNIT	Char	3	Analyte unit
274	INS_INTACT_LOW_RANGE	Char	3	Low range for analyte
275	INS_INTACT_HIGH_RANGE	Char	3	High range for analyte
276	INS_INTACT_LDD	Num	8	LDD (Least Detectable Dose) for analyte
277	INS_INTACT_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
278	INS_TOTAL_UNIT	Char	3	Analyte unit
279	INS_TOTAL_LOW_RANGE	Char	3	Low range for analyte
280	INS_TOTAL_HIGH_RANGE	Char	3	High range for analyte
281	INS_TOTAL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
282	INS_TOTAL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
283	KIT_UNIT	Char	5	Analyte unit
284	KIT_LOW_RANGE	Char	5	Low range for analyte
285	KIT_HIGH_RANGE	Char	5	High range for analyte
286	KIT_LDD	Num	8	LDD (Least Detectable Dose) for analyte
287	KIT_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
288	KITLG_UNIT	Char	5	Analyte unit
289	KITLG_LOW_RANGE	Char	5	Low range for analyte
290	KITLG_HIGH_RANGE	Char	5	High range for analyte
291	KITLG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
292	KITLG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
293	LPA_UNIT	Char	5	Analyte unit
294	LPA_LOW_RANGE	Char	5	Low range for analyte
295	LPA_HIGH_RANGE	Char	5	High range for analyte
296	LPA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
297	LPA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
298	LTA_UNIT	Char	5	Analyte unit
299	LTA_LOW_RANGE	Char	5	Low range for analyte
300	LTA_HIGH_RANGE	Char	5	High range for analyte
301	LTA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
302	LTA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
303	LTF_UNIT	Char	5	Analyte unit
304	LTF_LOW_RANGE	Char	5	Low range for analyte
305	LTF_HIGH_RANGE	Char	5	High range for analyte
306	LTF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
307	LTF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
308	MB_UNIT	Char	5	Analyte unit
309	MB_LOW_RANGE	Char	5	Low range for analyte
310	MB_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
311	MB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
312	MB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
313	MICA_UNIT	Char	5	Analyte unit
314	MICA_LOW_RANGE	Char	5	Low range for analyte
315	MICA_HIGH_RANGE	Char	5	High range for analyte
316	MICA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
317	MICA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
318	MMP3_UNIT	Char	5	Analyte unit
319	MMP3_LOW_RANGE	Char	5	Low range for analyte
320	MMP3_HIGH_RANGE	Char	5	High range for analyte
321	MMP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
322	MMP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
323	MMP9_UNIT	Char	5	Analyte unit
324	MMP9_LOW_RANGE	Char	5	Low range for analyte
325	MMP9_HIGH_RANGE	Char	5	High range for analyte
326	MMP9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
327	MMP9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
328	NGF_UNIT	Char	5	Analyte unit
329	NGF_LOW_RANGE	Char	5	Low range for analyte
330	NGF_HIGH_RANGE	Char	5	High range for analyte
331	NGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
332	NGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
333	NRCAM_UNIT	Char	5	Analyte unit
334	NRCAM_LOW_RANGE	Char	5	Low range for analyte
335	NRCAM_HIGH_RANGE	Char	5	High range for analyte
336	NRCAM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
337	NRCAM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
338	S100B_UNIT	Char	5	Analyte unit
339	S100B_LOW_RANGE	Char	5	Low range for analyte
340	S100B_HIGH_RANGE	Char	5	High range for analyte
341	S100B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
342	S100B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
343	SELE_UNIT	Char	5	Analyte unit
344	SELE_LOW_RANGE	Char	5	Low range for analyte
345	SELE_HIGH_RANGE	Char	5	High range for analyte
346	SELE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
347	SELE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
348	SERPINA1_UNIT	Char	6	Analyte unit
349	SERPINA1_LOW_RANGE	Char	6	Low range for analyte

Num	Variable	Type	Len	Label
350	SERPINA1_HIGH_RANGE	Char	6	High range for analyte
351	SERPINA1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
352	SERPINA1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
353	SERPINA3_UNIT	Char	5	Analyte unit
354	SERPINA3_LOW_RANGE	Char	5	Low range for analyte
355	SERPINA3_HIGH_RANGE	Char	5	High range for analyte
356	SERPINA3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
357	SERPINA3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
358	SERPINA7_UNIT	Char	5	Analyte unit
359	SERPINA7_LOW_RANGE	Char	5	Low range for analyte
360	SERPINA7_HIGH_RANGE	Char	5	High range for analyte
361	SERPINA7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
362	SERPINA7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
363	SERPINE1_UNIT	Char	5	Analyte unit
364	SERPINE1_LOW_RANGE	Char	5	Low range for analyte
365	SERPINE1_HIGH_RANGE	Char	5	High range for analyte
366	SERPINE1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
367	SERPINE1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
368	SHBG_UNIT	Char	6	Analyte unit
369	SHBG_LOW_RANGE	Char	6	Low range for analyte
370	SHBG_HIGH_RANGE	Char	6	High range for analyte
371	SHBG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
372	SHBG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
373	SLPI_UNIT	Char	5	Analyte unit
374	SLPI_LOW_RANGE	Char	5	Low range for analyte
375	SLPI_HIGH_RANGE	Char	5	High range for analyte
376	SLPI_LDD	Num	8	LDD (Least Detectable Dose) for analyte
377	SLPI_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
378	SOD1_UNIT	Char	5	Analyte unit
379	SOD1_LOW_RANGE	Char	5	Low range for analyte
380	SOD1_HIGH_RANGE	Char	5	High range for analyte
381	SOD1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
382	SOD1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
383	SORT1_UNIT	Char	5	Analyte unit
384	SORT1_LOW_RANGE	Char	5	Low range for analyte
385	SORT1_HIGH_RANGE	Char	5	High range for analyte
386	SORT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
387	SORT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
388	SPINK1_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
389	SPINK1_LOW_RANGE	Char	5	Low range for analyte
390	SPINK1_HIGH_RANGE	Char	5	High range for analyte
391	SPINK1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
392	SPINK1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
393	TGFB1_LAP_UNIT	Char	5	Analyte unit
394	TGFB1_LAP_LOW_RANGE	Char	5	Low range for analyte
395	TGFB1_LAP_HIGH_RANGE	Char	5	High range for analyte
396	TGFB1_LAP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
397	TGFB1_LAP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
398	TIMP1_UNIT	Char	5	Analyte unit
399	TIMP1_LOW_RANGE	Char	5	Low range for analyte
400	TIMP1_HIGH_RANGE	Char	5	High range for analyte
401	TIMP1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
402	TIMP1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
403	TIMP2_UNIT	Char	5	Analyte unit
404	TIMP2_LOW_RANGE	Char	5	Low range for analyte
405	TIMP2_HIGH_RANGE	Char	5	High range for analyte
406	TIMP2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
407	TIMP2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
408	TNF_UNIT	Char	5	Analyte unit
409	TNF_LOW_RANGE	Char	5	Low range for analyte
410	TNF_HIGH_RANGE	Char	5	High range for analyte
411	TNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
412	TNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
413	TNFRSF11B_UNIT	Char	4	Analyte unit
414	TNFRSF11B_LOW_RANGE	Char	4	Low range for analyte
415	TNFRSF11B_HIGH_RANGE	Char	4	High range for analyte
416	TNFRSF11B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
417	TNFRSF11B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
418	TNFRSF1A_UNIT	Char	5	Analyte unit
419	TNFRSF1A_LOW_RANGE	Char	5	Low range for analyte
420	TNFRSF1A_HIGH_RANGE	Char	5	High range for analyte
421	TNFRSF1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
422	TNFRSF1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
423	TNFRSF1B_UNIT	Char	5	Analyte unit
424	TNFRSF1B_LOW_RANGE	Char	5	Low range for analyte
425	TNFRSF1B_HIGH_RANGE	Char	5	High range for analyte
426	TNFRSF1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
427	TNFRSF1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
428	VCAM1_UNIT	Char	5	Analyte unit
429	VCAM1_LOW_RANGE	Char	5	Low range for analyte
430	VCAM1_HIGH_RANGE	Char	5	High range for analyte
431	VCAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
432	VCAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
433	VEGFA_UNIT	Char	5	Analyte unit
434	VEGFA_LOW_RANGE	Char	5	Low range for analyte
435	VEGFA_HIGH_RANGE	Char	5	High range for analyte
436	VEGFA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
437	VEGFA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
438	VWF_UNIT	Char	5	Analyte unit
439	VWF_LOW_RANGE	Char	5	Low range for analyte
440	VWF_HIGH_RANGE	Char	5	High range for analyte
441	VWF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
442	VWF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
443	A2M	Num	8	Alpha-2-Macroglobulin (A2M)
444	ADIPOQ	Num	8	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
445	AGER	Num	8	Advanced glycosylation end product-specific receptor (AGER)
446	APCS	Num	8	Amyloid P-component, serum (APCS)
447	APOA4	Num	8	Apolipoprotein A-IV (APOA4)
448	B2M	Num	8	Beta-2-microglobulin (B2M)
449	BDNF	Num	8	Brain-derived neurotrophic factor (BDNF)
450	C3	Num	8	Complement component C3 (C3)
451	CCL11	Num	8	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
452	CCL13	Num	8	Chemokine (C-C motif) ligand 13 (CCL13)
453	CCL2	Num	8	Chemokine (C-C motif) ligand 2 (CCL2)
454	CCL20	Num	8	Chemokine (C-C motif) ligand 20 (CCL20)
455	CCL23	Num	8	Chemokine (C-C motif) ligand 23 (CCL23)
456	CCL24	Num	8	Chemokine (C-C motif) ligand 24 (CCL24)
457	CCL3	Num	8	Chemokine (C-C motif) ligand 3 (CCL3)
458	CCL4	Num	8	Chemokine (C-C motif) ligand 4 (CCL4)
459	CCL5	Num	8	chemokine (C-C motif) ligand 5 (CCL5)
460	CCL8	Num	8	Chemokine (C-C motif) ligand 8 (CCL8)
461	CDH1	Num	8	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
462	CHGA	Num	8	Chromogranin A (parathyroid secretory protein 1) (CHGA)
463	CRP	Num	8	C-reactive protein, pentraxin-related (CRP)
464	CSF2	Num	8	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
465	CSTB	Num	8	Cystatin B (stefin B) (CSTB)
466	CXCL10	Num	8	Chemokine (C-X-C motif) ligand 10 (CXCL10)

Num	Variable	Type	Len	Label
467	CXCL9	Num	8	Chemokine (C-X-C motif) ligand 9 (CXCL9)
468	F7	Num	8	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
469	FGA_FGB_FGG	Num	8	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
470	FTL_FTH1	Num	8	Ferritin [FT(L/H1)]
471	GC	Num	8	Group-specific component (vitamin D binding protein) (GC)
472	HP	Num	8	Haptoglobin (HP)
473	HSPD1	Num	8	Heat shock 60kDa protein 1 (chaperonin) (HSPD1)
474	ICAM1	Num	8	Intercellular Adhesion Molecule 1 (ICAM1)
475	IFNG	Num	8	Interferon, gamma (IFNG)
476	IGA	Num	8	Immunoglobulin A (IgA)
477	IGM	Num	8	Immunoglobulin M
478	IL10	Num	8	Interleukin 10 (IL10)
479	IL12A_IL12B	Num	8	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
480	IL12B	Num	8	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
481	IL15	Num	8	Interleukin 15 (IL15)
482	IL17A	Num	8	Interleukin 17 (IL17A)
483	IL18	Num	8	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
484	IL1A	Num	8	Interleukin 1, alpha (IL1A)
485	IL1B	Num	8	Interleukin 1, beta (IL1B)
486	IL1RN	Num	8	Interleukin 1 receptor antagonist (IL1RN)
487	IL2	Num	8	Interleukin 2 (IL2)
488	IL23A	Num	8	Interleukin 23, alpha subunit p19 (IL23A)
489	IL2RA	Num	8	Interleukin 2 receptor, alpha (IL2RA)
490	IL3	Num	8	Interleukin 3 (IL3)
491	IL4	Num	8	Interleukin 4 (IL4)
492	IL5	Num	8	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
493	IL6	Num	8	Interleukin 6 (interferon, beta 2) (IL6)
494	IL6R	Num	8	Interleukin-6 receptor (IL6R)
495	IL7	Num	8	Interleukin 7 (IL7)
496	IL8	Num	8	Interleukin 8 (IL8)
497	INS_INTACT	Num	8	Proinsulin, Intact (INS_intact)
498	INS_TOTAL	Num	8	Proinsulin, Total (INS_total)
499	KIT	Num	8	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
500	KITLG	Num	8	KIT ligand (KITLG)
501	LPA	Num	8	Lipoprotein, (Lp(a) (LPA)
502	LTA	Num	8	Lymphotoxin alpha (LTA)
503	LTF	Num	8	Lactotransferrin
504	MB	Num	8	Myoglobin (MB)

Num	Variable	Type	Len	Label
505	MICA	Num	8	MHC class I polypeptide-related sequence A (MICA)
506	MMP3	Num	8	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
507	MMP9	Num	8	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
508	NGF	Num	8	Nerve growth gactor (beta polypeptide) (NGF)
509	NRCAM	Num	8	Neuronal Cell Adhesion Molecule (NRCAM)
510	S100B	Num	8	S100 calcium binding protein B (S100B)
511	SELE	Num	8	Selectin E (SELE)
512	SERPINA1	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
513	SERPINA3	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 (SERPINA3)
514	SERPINA7	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
515	SERPINE1	Num	8	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
516	SHBG	Num	8	Sex Hormone-Binding Globulin (SHBG)
517	SLPI	Num	8	Secretory leukocyte peptidase inhibitor (SLPI)
518	SOD1	Num	8	Superoxide Dismutase 1, soluble (SOD1)
519	SORT1	Num	8	Sortilin 1 (SORT1)
520	SPINK1	Num	8	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
521	TGFB1_LAP	Num	8	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
522	TIMP1	Num	8	TIMP metallopeptidase inhibitor 1 (TIMP1)
523	TIMP2	Num	8	TIMP metallopeptidase inhibitor 2 (TIMP2)
524	TNF	Num	8	Tumor necrosis factor (TNF)
525	TNFRSF11B	Num	8	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
526	TNFRSF1A	Num	8	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
527	TNFRSF1B	Num	8	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
528	VCAM1	Num	8	Vascular cell adhesion molecule 1 (VCAM1)
529	VEGFA	Num	8	Vascular endothelial growth factor (VEGFA)
530	VWF	Num	8	von Willebrand Factor (vWF)
531	ANGPT1_UNIT	Char	5	Analyte unit
532	ANGPT1_LOW_RANGE	Char	5	Low range for analyte
533	ANGPT1_HIGH_RANGE	Char	5	High range for analyte
534	ANGPT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
535	ANGPT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
536	AXL_UNIT	Char	5	Analyte unit
537	AXL_LOW_RANGE	Char	5	Low range for analyte
538	AXL_HIGH_RANGE	Char	5	High range for analyte
539	AXL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
540	AXL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
541	CA9_UNIT	Char	5	Analyte unit
542	CA9_LOW_RANGE	Char	5	Low range for analyte
543	CA9_HIGH_RANGE	Char	5	High range for analyte
544	CA9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
545	CA9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
546	CCL16_UNIT	Char	5	Analyte unit
547	CCL16_LOW_RANGE	Char	5	Low range for analyte
548	CCL16_HIGH_RANGE	Char	5	High range for analyte
549	CCL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
550	CCL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
551	CCL18_UNIT	Char	5	Analyte unit
552	CCL18_LOW_RANGE	Char	5	Low range for analyte
553	CCL18_HIGH_RANGE	Char	5	High range for analyte
554	CCL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
555	CCL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
556	CCL22_UNIT	Char	5	Analyte unit
557	CCL22_LOW_RANGE	Char	5	Low range for analyte
558	CCL22_HIGH_RANGE	Char	5	High range for analyte
559	CCL22_LDD	Num	8	LDD (Least Detectable Dose) for analyte
560	CCL22_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
561	CDH13_UNIT	Char	5	Analyte unit
562	CDH13_LOW_RANGE	Char	5	Low range for analyte
563	CDH13_HIGH_RANGE	Char	5	High range for analyte
564	CDH13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
565	CDH13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
566	CEACAM1_UNIT	Char	5	Analyte unit
567	CEACAM1_LOW_RANGE	Char	5	Low range for analyte
568	CEACAM1_HIGH_RANGE	Char	5	High range for analyte
569	CEACAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
570	CEACAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
571	CKM_CKB_UNIT	Char	5	Analyte unit
572	CKM_CKB_LOW_RANGE	Char	5	Low range for analyte
573	CKM_CKB_HIGH_RANGE	Char	5	High range for analyte
574	CKM_CKB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
575	CKM_CKB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
576	CXCL5_UNIT	Char	5	Analyte unit
577	CXCL5_LOW_RANGE	Char	5	Low range for analyte
578	CXCL5_HIGH_RANGE	Char	5	High range for analyte
579	CXCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
580	CXCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
581	DCN_UNIT	Char	5	Analyte unit
582	DCN_LOW_RANGE	Char	5	Low range for analyte
583	DCN_HIGH_RANGE	Char	5	High range for analyte
584	DCN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
585	DCN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
586	FABP3_UNIT	Char	5	Analyte unit
587	FABP3_LOW_RANGE	Char	5	Low range for analyte
588	FABP3_HIGH_RANGE	Char	5	High range for analyte
589	FABP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
590	FABP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
591	FAS_UNIT	Char	5	Analyte unit
592	FAS_LOW_RANGE	Char	5	Low range for analyte
593	FAS_HIGH_RANGE	Char	5	High range for analyte
594	FAS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
595	FAS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
596	HGF_UNIT	Char	5	Analyte unit
597	HGF_LOW_RANGE	Char	5	Low range for analyte
598	HGF_HIGH_RANGE	Char	5	High range for analyte
599	HGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
600	HGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
601	IGE_UNIT	Char	4	Analyte unit
602	IGE_LOW_RANGE	Char	4	Low range for analyte
603	IGE_HIGH_RANGE	Char	4	High range for analyte
604	IGE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
605	IGE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
606	IL13_UNIT	Char	5	Analyte unit
607	IL13_LOW_RANGE	Char	5	Low range for analyte
608	IL13_HIGH_RANGE	Char	5	High range for analyte
609	IL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
610	IL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
611	IL16_UNIT	Char	5	Analyte unit
612	IL16_LOW_RANGE	Char	5	Low range for analyte
613	IL16_HIGH_RANGE	Char	5	High range for analyte
614	IL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
615	IL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
616	IL18BP_UNIT	Char	5	Analyte unit
617	IL18BP_LOW_RANGE	Char	5	Low range for analyte
618	IL18BP_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
619	IL18BP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
620	IL18BP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
621	KLK3_F_UNIT	Char	6	Analyte unit
622	KLK3_F_LOW_RANGE	Char	6	Low range for analyte
623	KLK3_F_HIGH_RANGE	Char	6	High range for analyte
624	KLK3_F_LDD	Num	8	LDD (Least Detectable Dose) for analyte
625	KLK3_F_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
626	MDA_LDL_UNIT	Char	5	Analyte unit
627	MDA_LDL_LOW_RANGE	Char	5	Low range for analyte
628	MDA_LDL_HIGH_RANGE	Char	5	High range for analyte
629	MDA_LDL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
630	MDA_LDL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
631	MDK_UNIT	Char	5	Analyte unit
632	MDK_LOW_RANGE	Char	5	Low range for analyte
633	MDK_HIGH_RANGE	Char	5	High range for analyte
634	MDK_LDD	Num	8	LDD (Least Detectable Dose) for analyte
635	MDK_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
636	NPPB_PH_UNIT	Char	5	Analyte unit
637	NPPB_PH_LOW_RANGE	Char	5	Low range for analyte
638	NPPB_PH_HIGH_RANGE	Char	5	High range for analyte
639	NPPB_PH_LDD	Num	8	LDD (Least Detectable Dose) for analyte
640	NPPB_PH_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
641	OLR1_UNIT	Char	5	Analyte unit
642	OLR1_LOW_RANGE	Char	5	Low range for analyte
643	OLR1_HIGH_RANGE	Char	5	High range for analyte
644	OLR1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
645	OLR1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
646	PECAM1_UNIT	Char	5	Analyte unit
647	PECAM1_LOW_RANGE	Char	5	Low range for analyte
648	PECAM1_HIGH_RANGE	Char	5	High range for analyte
649	PECAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
650	PECAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
651	SFTPD_UNIT	Char	5	Analyte unit
652	SFTPD_LOW_RANGE	Char	5	Low range for analyte
653	SFTPD_HIGH_RANGE	Char	5	High range for analyte
654	SFTPD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
655	SFTPD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
656	THBD_UNIT	Char	5	Analyte unit
657	THBD_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
658	THBD_HIGH_RANGE	Char	5	High range for analyte
659	THBD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
660	THBD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
661	TNFRSF10C_UNIT	Char	5	Analyte unit
662	TNFRSF10C_LOW_RANGE	Char	5	Low range for analyte
663	TNFRSF10C_HIGH_RANGE	Char	5	High range for analyte
664	TNFRSF10C_LDD	Num	8	LDD (Least Detectable Dose) for analyte
665	TNFRSF10C_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
666	ANGPT1	Num	8	Angiopoietin 1 (ANGPT1)
667	AXL	Num	8	AXL Receptor Tyrosine Kinase (AXL)
668	CA9	Num	8	Carbonic anhydrase IX (CA9)
669	CCL16	Num	8	Chemokine (C-C motif) ligand 16 (CCL16)
670	CCL18	Num	8	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) (CCL18)
671	CCL22	Num	8	chemokine (C-C motif) ligand 22 (CCL22)
672	CDH13	Num	8	Cadherin 13, H-cadherin (heart) (CDH13)
673	CEACAM1	Num	8	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
674	CKM_CKB	Num	8	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
675	CXCL5	Num	8	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
676	DCN	Num	8	Decorin (DCN)
677	FABP3	Num	8	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
678	FAS	Num	8	Fas cell surface death receptor (FAS)
679	HGF	Num	8	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
680	IGE	Num	8	Immunoglobulin E (IgE)
681	IL13	Num	8	Interleukin 13 (IL13)
682	IL16	Num	8	Interleukin 16 (IL16)
683	IL18BP	Num	8	Interleukin 18 binding protein (IL18BP)
684	KLK3_F	Num	8	Kallikrein-related peptidase 3 (free) (PSAF)
685	MDA_LDL	Num	8	Malondialdehyde-Modified Low-Density Lipoprotein (MDA-LDL)
686	MDK	Num	8	Midkine (neurite growth-promoting factor 2) (MDK)
687	NPPB_PH	Num	8	Natriuretic peptide (NPPB; N-terminal prohormone)
688	OLR1	Num	8	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
689	PECAM1	Num	8	Platelet endothelial cell adhesion molecule (PECAM1)
690	SFTPD	Num	8	Surfactant protein D (SFTPD)
691	THBD	Num	8	Thrombomodulin (THBD)
692	TNFRSF10C	Num	8	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
693	ADIPOQ_RAW	Char	5	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
694	SERPINA3_RAW	Char	4	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 (SERPINA3)

Num	Variable	Type	Len	Label
695	SERPINA1_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
696	A2M_RAW	Char	6	Alpha-2-Macroglobulin (A2M)
697	SLPI_RAW	Char	3	Secretory leukocyte peptidase inhibitor (SLPI)
698	LPA_RAW	Char	5	Lipoprotein, (Lp(a) (LPA)
699	APOA4_RAW	Char	5	Apolipoprotein A-IV (APOA4)
700	B2M_RAW	Char	4	Beta-2-microglobulin (B2M)
701	BDNF_RAW	Char	5	Brain-derived neurotrophic factor (BDNF)
702	CRP_RAW	Char	5	C-reactive protein, pentraxin-related (CRP)
703	CDH1_RAW	Char	5	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
704	CHGA_RAW	Char	5	Chromogranin A (parathyroid secretory protein 1) (CHGA)
705	C3_RAW	Char	5	Complement component C3 (C3)
706	CSTB_RAW	Char	3	Cystatin B (stefin B) (CSTB)
707	SELE_RAW	Char	5	Selectin E (SELE)
708	CCL11_RAW	Char	5	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
709	CCL24_RAW	Char	5	Chemokine (C-C motif) ligand 24 (CCL24)
710	F7_RAW	Char	4	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
711	FTL_FTH1_RAW	Char	5	Ferritin [FT(L/H1)]
712	FGA_FGB_FGG_RAW	Char	5	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
713	CSF2_RAW	Char	5	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
714	HP_RAW	Char	6	Haptoglobin (HP)
715	HSPD1_RAW	Char	5	Heat shock 60kDa protein 1 (chaperonin) (HSPD1)
716	IGA_RAW	Char	5	Immunoglobulin A (IgA)
717	IGM_RAW	Char	5	Immunoglobulin M
718	ICAM1_RAW	Char	4	Intercellular Adhesion Molecule 1 (ICAM1)
719	IFNG_RAW	Char	5	Interferon, gamma (IFNG)
720	CXCL10_RAW	Char	4	Chemokine (C-X-C motif) ligand 10 (CXCL10)
721	IL1A_RAW	Char	7	Interleukin 1, alpha (IL1A)
722	IL1B_RAW	Char	5	Interleukin 1, beta (IL1B)
723	IL1RN_RAW	Char	5	Interleukin 1 receptor antagonist (IL1RN)
724	IL2_RAW	Char	5	Interleukin 2 (IL2)
725	IL2RA_RAW	Char	5	Interleukin 2 receptor, alpha (IL2RA)
726	IL3_RAW	Char	6	Interleukin 3 (IL3)
727	IL4_RAW	Char	5	Interleukin 4 (IL4)
728	IL5_RAW	Char	5	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
729	IL6_RAW	Char	5	Interleukin 6 (interferon, beta 2) (IL6)
730	IL6R_RAW	Char	4	Interleukin-6 receptor (IL6R)
731	IL7_RAW	Char	5	Interleukin 7 (IL7)
732	IL8_RAW	Char	5	Interleukin 8 (IL8)

Num	Variable	Type	Len	Label
733	IL10_RAW	Char	5	Interleukin 10 (IL10)
734	IL12B_RAW	Char	5	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
735	IL12A_IL12B_RAW	Char	5	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
736	IL15_RAW	Char	5	Interleukin 15 (IL15)
737	IL17A_RAW	Char	5	Interleukin 17 (IL17A)
738	IL18_RAW	Char	5	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
739	IL23A_RAW	Char	5	Interleukin 23, alpha subunit p19 (IL23A)
740	LTF_RAW	Char	3	Lactotransferrin
741	TGFB1_LAP_RAW	Char	4	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
742	CCL3_RAW	Char	5	Chemokine (C-C motif) ligand 3 (CCL3)
743	CCL4_RAW	Char	5	Chemokine (C-C motif) ligand 4 (CCL4)
744	CCL20_RAW	Char	5	Chemokine (C-C motif) ligand 20 (CCL20)
745	KIT_RAW	Char	5	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
746	MMP3_RAW	Char	4	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
747	MMP9_RAW	Char	5	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
748	MICA_RAW	Char	5	MHC class I polypeptide-related sequence A (MICA)
749	CCL2_RAW	Char	5	Chemokine (C-C motif) ligand 2 (CCL2)
750	CCL8_RAW	Char	4	Chemokine (C-C motif) ligand 8 (CCL8)
751	CCL13_RAW	Char	5	Chemokine (C-C motif) ligand 13 (CCL13)
752	CXCL9_RAW	Char	5	Chemokine (C-X-C motif) ligand 9 (CXCL9)
753	CCL23_RAW	Char	5	Chemokine (C-C motif) ligand 23 (CCL23)
754	MB_RAW	Char	5	Myoglobin (MB)
755	NGF_RAW	Char	6	Nerve growth gactor (beta polypeptide) (NGF)
756	NRCAM_RAW	Char	5	Neuronal Cell Adhesion Molecule (NRCAM)
757	TNFRSF11B_RAW	Char	3	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
758	SPINK1_RAW	Char	3	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
759	SERPINE1_RAW	Char	5	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
760	INS_INTACT_RAW	Char	5	Proinsulin, Intact (INS_intact)
761	INS_TOTAL_RAW	Char	5	Proinsulin, Total (INS_total)
762	AGER_RAW	Char	5	Advanced glycosylation end product-specific receptor (AGER)
763	S100B_RAW	Char	5	S100 calcium binding protein B (S100B)
764	APCS_RAW	Char	5	Amyloid P-component, serum (APCS)
765	SHBG_RAW	Char	5	Sex Hormone-Binding Globulin (SHBG)
766	SORT1_RAW	Char	5	Sortilin 1 (SORT1)
767	KITLG_RAW	Char	5	KIT ligand (KITLG)
768	SOD1_RAW	Char	4	Superoxide Dismutase 1, soluble (SOD1)
769	CCL5_RAW	Char	5	chemokine (C-C motif) ligand 5 (CCL5)

Num	Variable	Type	Len	Label
770	SERPINA7_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
771	TIMP1_RAW	Char	3	TIMP metallopeptidase inhibitor 1 (TIMP1)
772	TIMP2_RAW	Char	3	TIMP metallopeptidase inhibitor 2 (TIMP2)
773	TNF_RAW	Char	5	Tumor necrosis factor (TNF)
774	LTA_RAW	Char	5	Lymphotoxin alpha (LTA)
775	TNFRSF1A_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
776	TNFRSF1B_RAW	Char	3	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
777	VCAM1_RAW	Char	4	Vascular cell adhesion molecule 1 (VCAM1)
778	VEGFA_RAW	Char	4	Vascular endothelial growth factor (VEGFA)
779	GC_RAW	Char	5	Group-specific component (vitamin D binding protein) (GC)
780	VWF_RAW	Char	5	von Willebrand Factor (vWF)
781	ANGPT1_RAW	Char	5	Angiopoietin 1 (ANGPT1)
782	AXL_RAW	Char	3	AXL Receptor Tyrosine Kinase (AXL)
783	CDH13_RAW	Char	4	Cadherin 13, H-cadherin (heart) (CDH13)
784	CA9_RAW	Char	5	Carbonic anhydrase IX (CA9)
785	CEACAM1_RAW	Char	5	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
786	CCL16_RAW	Char	4	Chemokine (C-C motif) ligand 16 (CCL16)
787	CKM_CKB_RAW	Char	4	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
788	DCN_RAW	Char	4	Decorin (DCN)
789	CXCL5_RAW	Char	4	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
790	FAS_RAW	Char	3	Fas cell surface death receptor (FAS)
791	FABP3_RAW	Char	5	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
792	HGF_RAW	Char	3	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
793	IGE_RAW	Char	5	Immunoglobulin E (IgE)
794	IL13_RAW	Char	5	Interleukin 13 (IL13)
795	IL16_RAW	Char	4	Interleukin 16 (IL16)
796	IL18BP_RAW	Char	3	Interleukin 18 binding protein (IL18BP)
797	OLR1_RAW	Char	5	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
798	CCL22_RAW	Char	4	chemokine (C-C motif) ligand 22 (CCL22)
799	MDA_LDL_RAW	Char	5	Malondialdehyde-Modified Low-Density Lipoprotein (MDA-LDL)
800	MDK_RAW	Char	5	Midkine (neurite growth-promoting factor 2) (MDK)
801	NPPB_PH_RAW	Char	5	Natriuretic peptide (NPPB; N-terminal prohormone)
802	PECAM1_RAW	Char	3	Platelet endothelial cell adhesion molecule (PECAM1)
803	KLK3_F_RAW	Char	6	Kallikrein-related peptidase 3 (free) (PSAF)
804	CCL18_RAW	Char	3	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) (CCL18)
805	SFTPD_RAW	Char	3	Surfactant protein D (SFTPD)
806	THBD_RAW	Char	4	Thrombomodulin (THBD)

Num	Variable	Type	Len	Label
807	TNFRSF10C_RAW	Char	4	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
808	A2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
809	ADIPOQ_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
810	AGER_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
811	ANGPT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
812	APCS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
813	APOA4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
814	AXL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
815	B2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
816	BDNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
817	C3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
818	CA9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
819	CCL11_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
820	CCL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
821	CCL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
822	CCL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
823	CCL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
824	CCL20_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
825	CCL22_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
826	CCL23_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
827	CCL24_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
828	CCL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
829	CCL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
830	CCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
831	CCL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
832	CDH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
833	CDH13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
834	CEACAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
835	CHGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
836	CKM_CKB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
837	CRP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
838	CSF2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
839	CSTB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
840	CXCL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
841	CXCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
842	CXCL9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
843	DCN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
844	F7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
845	FABP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
846	FAS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
847	FGA_FGB_FGG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
848	FTL_FTH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
849	GC_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
850	HGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
851	HP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
852	HSPD1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
853	ICAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
854	IFNG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
855	IGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
856	IGE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
857	IGM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
858	IL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
859	IL12A_IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
860	IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
861	IL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
862	IL15_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
863	IL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
864	IL17A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
865	IL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
866	IL18BP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
867	IL1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
868	IL1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
869	IL1RN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
870	IL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
871	IL23A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
872	IL2RA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
873	IL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
874	IL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
875	IL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
876	IL6_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
877	IL6R_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
878	IL7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
879	IL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
880	INS_INTACT_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
881	INS_TOTAL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
882	KIT_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
883	KITLG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
884	KLK3_F_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
885	LPA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
886	LTA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
887	LTF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
888	MB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
889	MDA_LDL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
890	MDK_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
891	MICA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
892	MMP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
893	MMP9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
894	NGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
895	NPPB_PH_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
896	NRCAM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
897	OLR1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
898	PECAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
899	S100B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
900	SELE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
901	SERPINA1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
902	SERPINA3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
903	SERPINA7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
904	SERPINE1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
905	SFTPD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
906	SHBG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
907	SLPI_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
908	SOD1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
909	SORT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
910	SPINK1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
911	TGFB1_LAP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
912	THBD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
913	TIMP1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
914	TIMP2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
915	TNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
916	TNFRSF10C_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
917	TNFRSF11B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
918	TNFRSF1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
919	TNFRSF1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
920	VCAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
921	VEGFA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
922	VWF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
923	A2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
924	ADIPOQ_OUTLIER	Num	8	Flag of potential outlier values for analyte
925	AGER_OUTLIER	Num	8	Flag of potential outlier values for analyte
926	ANGPT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
927	APCS_OUTLIER	Num	8	Flag of potential outlier values for analyte
928	APOA4_OUTLIER	Num	8	Flag of potential outlier values for analyte
929	AXL_OUTLIER	Num	8	Flag of potential outlier values for analyte
930	B2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
931	BDNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
932	C3_OUTLIER	Num	8	Flag of potential outlier values for analyte
933	CA9_OUTLIER	Num	8	Flag of potential outlier values for analyte
934	CCL11_OUTLIER	Num	8	Flag of potential outlier values for analyte
935	CCL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
936	CCL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
937	CCL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
938	CCL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
939	CCL20_OUTLIER	Num	8	Flag of potential outlier values for analyte
940	CCL22_OUTLIER	Num	8	Flag of potential outlier values for analyte
941	CCL23_OUTLIER	Num	8	Flag of potential outlier values for analyte
942	CCL24_OUTLIER	Num	8	Flag of potential outlier values for analyte
943	CCL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
944	CCL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
945	CCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
946	CCL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
947	CDH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
948	CDH13_OUTLIER	Num	8	Flag of potential outlier values for analyte
949	CEACAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
950	CHGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
951	CKM_CKB_OUTLIER	Num	8	Flag of potential outlier values for analyte
952	CRP_OUTLIER	Num	8	Flag of potential outlier values for analyte
953	CSF2_OUTLIER	Num	8	Flag of potential outlier values for analyte
954	CSTB_OUTLIER	Num	8	Flag of potential outlier values for analyte
955	CXCL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
956	CXCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
957	CXCL9_OUTLIER	Num	8	Flag of potential outlier values for analyte
958	DCN_OUTLIER	Num	8	Flag of potential outlier values for analyte
959	F7_OUTLIER	Num	8	Flag of potential outlier values for analyte
960	FABP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
961	FAS_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
962	FGA_FGB_FGG_OUTLIER	Num	8	Flag of potential outlier values for analyte
963	FTL_FTH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
964	GC_OUTLIER	Num	8	Flag of potential outlier values for analyte
965	HGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
966	HP_OUTLIER	Num	8	Flag of potential outlier values for analyte
967	HSPD1_OUTLIER	Num	8	Flag of potential outlier values for analyte
968	ICAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
969	IFNG_OUTLIER	Num	8	Flag of potential outlier values for analyte
970	IGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
971	IGE_OUTLIER	Num	8	Flag of potential outlier values for analyte
972	IGM_OUTLIER	Num	8	Flag of potential outlier values for analyte
973	IL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
974	IL12A_IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
975	IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
976	IL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
977	IL15_OUTLIER	Num	8	Flag of potential outlier values for analyte
978	IL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
979	IL17A_OUTLIER	Num	8	Flag of potential outlier values for analyte
980	IL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
981	IL18BP_OUTLIER	Num	8	Flag of potential outlier values for analyte
982	IL1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
983	IL1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
984	IL1RN_OUTLIER	Num	8	Flag of potential outlier values for analyte
985	IL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
986	IL23A_OUTLIER	Num	8	Flag of potential outlier values for analyte
987	IL2RA_OUTLIER	Num	8	Flag of potential outlier values for analyte
988	IL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
989	IL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
990	IL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
991	IL6_OUTLIER	Num	8	Flag of potential outlier values for analyte
992	IL6R_OUTLIER	Num	8	Flag of potential outlier values for analyte
993	IL7_OUTLIER	Num	8	Flag of potential outlier values for analyte
994	IL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
995	INS_INTACT_OUTLIER	Num	8	Flag of potential outlier values for analyte
996	INS_TOTAL_OUTLIER	Num	8	Flag of potential outlier values for analyte
997	KIT_OUTLIER	Num	8	Flag of potential outlier values for analyte
998	KITLG_OUTLIER	Num	8	Flag of potential outlier values for analyte
999	KLK3_F_OUTLIER	Num	8	Flag of potential outlier values for analyte
1000	LPA_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
1001	LTA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1002	LTF_OUTLIER	Num	8	Flag of potential outlier values for analyte
1003	MB_OUTLIER	Num	8	Flag of potential outlier values for analyte
1004	MDA_LDL_OUTLIER	Num	8	Flag of potential outlier values for analyte
1005	MDK_OUTLIER	Num	8	Flag of potential outlier values for analyte
1006	MICA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1007	MMP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
1008	MMP9_OUTLIER	Num	8	Flag of potential outlier values for analyte
1009	NGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
1010	NPPB_PH_OUTLIER	Num	8	Flag of potential outlier values for analyte
1011	NRCAM_OUTLIER	Num	8	Flag of potential outlier values for analyte
1012	OLR1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1013	PECAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1014	S100B_OUTLIER	Num	8	Flag of potential outlier values for analyte
1015	SELE_OUTLIER	Num	8	Flag of potential outlier values for analyte
1016	SERPINA1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1017	SERPINA3_OUTLIER	Num	8	Flag of potential outlier values for analyte
1018	SERPINA7_OUTLIER	Num	8	Flag of potential outlier values for analyte
1019	SERPINE1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1020	SFTPD_OUTLIER	Num	8	Flag of potential outlier values for analyte
1021	SHBG_OUTLIER	Num	8	Flag of potential outlier values for analyte
1022	SLPI_OUTLIER	Num	8	Flag of potential outlier values for analyte
1023	SOD1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1024	SORT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1025	SPINK1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1026	TGFB1_LAP_OUTLIER	Num	8	Flag of potential outlier values for analyte
1027	THBD_OUTLIER	Num	8	Flag of potential outlier values for analyte
1028	TIMP1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1029	TIMP2_OUTLIER	Num	8	Flag of potential outlier values for analyte
1030	TNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
1031	TNFRSF10C_OUTLIER	Num	8	Flag of potential outlier values for analyte
1032	TNFRSF11B_OUTLIER	Num	8	Flag of potential outlier values for analyte
1033	TNFRSF1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
1034	TNFRSF1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
1035	VCAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1036	VEGFA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1037	VWF_OUTLIER	Num	8	Flag of potential outlier values for analyte
1038	A2M_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1039	ADIPOQ_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1040	AGER_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1041	ANGPT1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1042	APCS_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1043	APOA4_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1044	AXL_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1045	B2M_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1046	BDNF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1047	C3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1048	CA9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1049	CCL11_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1050	CCL13_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1051	CCL16_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1052	CCL18_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1053	CCL2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1054	CCL20_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1055	CCL22_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1056	CCL23_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1057	CCL24_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1058	CCL3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1059	CCL4_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1060	CCL5_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1061	CCL8_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1062	CDH1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1063	CDH13_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1064	CEACAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1065	CHGA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1066	CKM_CKB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1067	CRP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1068	CSTB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1069	CXCL10_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1070	CXCL5_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1071	CXCL9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1072	DCN_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1073	F7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1074	FABP3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1075	FAS_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1076	FGA_FGB_FGG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1077	FTL_FTH1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1078	GC_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1079	HGF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1080	HP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1081	HSPD1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1082	ICAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1083	IFNG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1084	IGA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1085	IGE_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1086	IGM_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1087	IL10_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1088	IL12B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1089	IL15_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1090	IL16_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1091	IL17A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1092	IL18_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1093	IL18BP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1094	IL1A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1095	IL1B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1096	IL1RN_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1097	IL2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1098	IL23A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1099	IL2RA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1100	IL6_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1101	IL6R_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1102	IL7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1103	IL8_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1104	INS_INTACT_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1105	INS_TOTAL_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1106	KIT_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1107	KITLG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1108	KLK3_F_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1109	LPA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1110	LTF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1111	MB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1112	MDA_LDL_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1113	MDK_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1114	MICA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1115	MMP3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1116	MMP9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1117	NPPB_PH_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1118	NRCAM_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1119	OLR1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1120	PECAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1121	SELE_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1122	SERPINA1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1123	SERPINA3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1124	SERPINA7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1125	SERPINE1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1126	SFTPD_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1127	SHBG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1128	SLPI_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1129	SOD1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1130	SORT1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1131	SPINK1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1132	TGFB1_LAP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1133	THBD_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1134	TIMP1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1135	TIMP2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1136	TNF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1137	TNFRSF10C_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1138	TNFRSF11B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1139	TNFRSF1A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1140	TNFRSF1B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1141	VCAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1142	VEGFA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1143	VWF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Data Set Name: rbm2_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	VISIT	Char	10	Visit
3	A2M_UNIT	Char	5	Analyte unit
4	A2M_LOW_RANGE	Char	5	Low range for analyte
5	A2M_HIGH_RANGE	Char	5	High range for analyte
6	A2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
7	A2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
8	ADIPOQ_UNIT	Char	5	Analyte unit
9	ADIPOQ_LOW_RANGE	Char	5	Low range for analyte
10	ADIPOQ_HIGH_RANGE	Char	5	High range for analyte
11	ADIPOQ_LDD	Num	8	LDD (Least Detectable Dose) for analyte
12	ADIPOQ_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
13	AGER_UNIT	Char	5	Analyte unit
14	AGER_LOW_RANGE	Char	5	Low range for analyte
15	AGER_HIGH_RANGE	Char	5	High range for analyte
16	AGER_LDD	Num	8	LDD (Least Detectable Dose) for analyte
17	AGER_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
18	APCS_UNIT	Char	5	Analyte unit
19	APCS_LOW_RANGE	Char	5	Low range for analyte
20	APCS_HIGH_RANGE	Char	5	High range for analyte
21	APCS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
22	APCS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
23	B2M_UNIT	Char	5	Analyte unit
24	B2M_LOW_RANGE	Char	5	Low range for analyte
25	B2M_HIGH_RANGE	Char	5	High range for analyte
26	B2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
27	B2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
28	BDNF_UNIT	Char	5	Analyte unit
29	BDNF_LOW_RANGE	Char	5	Low range for analyte
30	BDNF_HIGH_RANGE	Char	5	High range for analyte
31	BDNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
32	BDNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
33	C3_UNIT	Char	6	Analyte unit
34	C3_LOW_RANGE	Char	6	Low range for analyte
35	C3_HIGH_RANGE	Char	6	High range for analyte
36	C3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
37	C3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
38	CCL11_UNIT	Char	5	Analyte unit
39	CCL11_LOW_RANGE	Char	5	Low range for analyte
40	CCL11_HIGH_RANGE	Char	5	High range for analyte
41	CCL11_LDD	Num	8	LDD (Least Detectable Dose) for analyte
42	CCL11_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
43	CCL13_UNIT	Char	5	Analyte unit
44	CCL13_LOW_RANGE	Char	5	Low range for analyte
45	CCL13_HIGH_RANGE	Char	5	High range for analyte
46	CCL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
47	CCL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
48	CCL18_UNIT	Char	5	Analyte unit
49	CCL18_LOW_RANGE	Char	5	Low range for analyte
50	CCL18_HIGH_RANGE	Char	5	High range for analyte
51	CCL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
52	CCL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
53	CCL2_UNIT	Char	5	Analyte unit
54	CCL2_LOW_RANGE	Char	5	Low range for analyte
55	CCL2_HIGH_RANGE	Char	5	High range for analyte
56	CCL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
57	CCL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
58	CCL20_UNIT	Char	5	Analyte unit
59	CCL20_LOW_RANGE	Char	5	Low range for analyte
60	CCL20_HIGH_RANGE	Char	5	High range for analyte
61	CCL20_LDD	Num	8	LDD (Least Detectable Dose) for analyte
62	CCL20_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
63	CCL23_UNIT	Char	5	Analyte unit
64	CCL23_LOW_RANGE	Char	5	Low range for analyte
65	CCL23_HIGH_RANGE	Char	5	High range for analyte
66	CCL23_LDD	Num	8	LDD (Least Detectable Dose) for analyte
67	CCL23_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
68	CCL24_UNIT	Char	5	Analyte unit
69	CCL24_LOW_RANGE	Char	5	Low range for analyte
70	CCL24_HIGH_RANGE	Char	5	High range for analyte
71	CCL24_LDD	Num	8	LDD (Least Detectable Dose) for analyte
72	CCL24_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
73	CCL3_UNIT	Char	5	Analyte unit
74	CCL3_LOW_RANGE	Char	5	Low range for analyte
75	CCL3_HIGH_RANGE	Char	5	High range for analyte
76	CCL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
77	CCL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
78	CCL4_UNIT	Char	5	Analyte unit
79	CCL4_LOW_RANGE	Char	5	Low range for analyte
80	CCL4_HIGH_RANGE	Char	5	High range for analyte
81	CCL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
82	CCL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
83	CCL5_UNIT	Char	5	Analyte unit
84	CCL5_LOW_RANGE	Char	5	Low range for analyte
85	CCL5_HIGH_RANGE	Char	5	High range for analyte
86	CCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
87	CCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
88	CCL8_UNIT	Char	5	Analyte unit
89	CCL8_LOW_RANGE	Char	5	Low range for analyte
90	CCL8_HIGH_RANGE	Char	5	High range for analyte
91	CCL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
92	CCL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
93	CDH1_UNIT	Char	5	Analyte unit
94	CDH1_LOW_RANGE	Char	5	Low range for analyte
95	CDH1_HIGH_RANGE	Char	5	High range for analyte
96	CDH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
97	CDH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
98	CHGA_UNIT	Char	5	Analyte unit
99	CHGA_LOW_RANGE	Char	5	Low range for analyte
100	CHGA_HIGH_RANGE	Char	5	High range for analyte
101	CHGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
102	CHGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
103	CRP_UNIT	Char	5	Analyte unit
104	CRP_LOW_RANGE	Char	5	Low range for analyte
105	CRP_HIGH_RANGE	Char	5	High range for analyte
106	CRP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
107	CRP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
108	CSF2_UNIT	Char	5	Analyte unit
109	CSF2_LOW_RANGE	Char	5	Low range for analyte
110	CSF2_HIGH_RANGE	Char	5	High range for analyte
111	CSF2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
112	CSF2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
113	CSTB_UNIT	Char	5	Analyte unit
114	CSTB_LOW_RANGE	Char	5	Low range for analyte
115	CSTB_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
116	CSTB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
117	CSTB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
118	CXCL1_UNIT	Char	5	Analyte unit
119	CXCL1_LOW_RANGE	Char	5	Low range for analyte
120	CXCL1_HIGH_RANGE	Char	5	High range for analyte
121	CXCL1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
122	CXCL1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
123	CXCL10_UNIT	Char	5	Analyte unit
124	CXCL10_LOW_RANGE	Char	5	Low range for analyte
125	CXCL10_HIGH_RANGE	Char	5	High range for analyte
126	CXCL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
127	CXCL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
128	CXCL9_UNIT	Char	5	Analyte unit
129	CXCL9_LOW_RANGE	Char	5	Low range for analyte
130	CXCL9_HIGH_RANGE	Char	5	High range for analyte
131	CXCL9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
132	CXCL9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
133	F7_UNIT	Char	5	Analyte unit
134	F7_LOW_RANGE	Char	5	Low range for analyte
135	F7_HIGH_RANGE	Char	5	High range for analyte
136	F7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
137	F7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
138	FGA_FGB_FGG_UNIT	Char	6	Analyte unit
139	FGA_FGB_FGG_LOW_RANGE	Char	6	Low range for analyte
140	FGA_FGB_FGG_HIGH_RANGE	Char	6	High range for analyte
141	FGA_FGB_FGG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
142	FGA_FGB_FGG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
143	FTL_FTH1_UNIT	Char	5	Analyte unit
144	FTL_FTH1_LOW_RANGE	Char	5	Low range for analyte
145	FTL_FTH1_HIGH_RANGE	Char	5	High range for analyte
146	FTL_FTH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
147	FTL_FTH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
148	GC_UNIT	Char	5	Analyte unit
149	GC_LOW_RANGE	Char	5	Low range for analyte
150	GC_HIGH_RANGE	Char	5	High range for analyte
151	GC_LDD	Num	8	LDD (Least Detectable Dose) for analyte
152	GC_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
153	HP_UNIT	Char	5	Analyte unit
154	HP_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
155	HP_HIGH_RANGE	Char	5	High range for analyte
156	HP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
157	HP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
158	ICAM1_UNIT	Char	5	Analyte unit
159	ICAM1_LOW_RANGE	Char	5	Low range for analyte
160	ICAM1_HIGH_RANGE	Char	5	High range for analyte
161	ICAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
162	ICAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
163	IFNG_UNIT	Char	5	Analyte unit
164	IFNG_LOW_RANGE	Char	5	Low range for analyte
165	IFNG_HIGH_RANGE	Char	5	High range for analyte
166	IFNG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
167	IFNG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
168	IGA_UNIT	Char	5	Analyte unit
169	IGA_LOW_RANGE	Char	5	Low range for analyte
170	IGA_HIGH_RANGE	Char	5	High range for analyte
171	IGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
172	IGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
173	IGM_UNIT	Char	5	Analyte unit
174	IGM_LOW_RANGE	Char	5	Low range for analyte
175	IGM_HIGH_RANGE	Char	5	High range for analyte
176	IGM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
177	IGM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
178	IL10_UNIT	Char	5	Analyte unit
179	IL10_LOW_RANGE	Char	5	Low range for analyte
180	IL10_HIGH_RANGE	Char	5	High range for analyte
181	IL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
182	IL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
183	IL12A_IL12B_UNIT	Char	5	Analyte unit
184	IL12A_IL12B_LOW_RANGE	Char	5	Low range for analyte
185	IL12A_IL12B_HIGH_RANGE	Char	5	High range for analyte
186	IL12A_IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
187	IL12A_IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
188	IL12B_UNIT	Char	5	Analyte unit
189	IL12B_LOW_RANGE	Char	5	Low range for analyte
190	IL12B_HIGH_RANGE	Char	5	High range for analyte
191	IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
192	IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
193	IL15_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
194	IL15_LOW_RANGE	Char	5	Low range for analyte
195	IL15_HIGH_RANGE	Char	5	High range for analyte
196	IL15_LDD	Num	8	LDD (Least Detectable Dose) for analyte
197	IL15_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
198	IL17A_UNIT	Char	5	Analyte unit
199	IL17A_LOW_RANGE	Char	5	Low range for analyte
200	IL17A_HIGH_RANGE	Char	5	High range for analyte
201	IL17A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
202	IL17A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
203	IL18_UNIT	Char	5	Analyte unit
204	IL18_LOW_RANGE	Char	5	Low range for analyte
205	IL18_HIGH_RANGE	Char	5	High range for analyte
206	IL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
207	IL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
208	IL1A_UNIT	Char	6	Analyte unit
209	IL1A_LOW_RANGE	Char	6	Low range for analyte
210	IL1A_HIGH_RANGE	Char	6	High range for analyte
211	IL1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
212	IL1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
213	IL1B_UNIT	Char	5	Analyte unit
214	IL1B_LOW_RANGE	Char	5	Low range for analyte
215	IL1B_HIGH_RANGE	Char	5	High range for analyte
216	IL1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
217	IL1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
218	IL1RN_UNIT	Char	5	Analyte unit
219	IL1RN_LOW_RANGE	Char	5	Low range for analyte
220	IL1RN_HIGH_RANGE	Char	5	High range for analyte
221	IL1RN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
222	IL1RN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
223	IL2_UNIT	Char	5	Analyte unit
224	IL2_LOW_RANGE	Char	5	Low range for analyte
225	IL2_HIGH_RANGE	Char	5	High range for analyte
226	IL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
227	IL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
228	IL23A_UNIT	Char	5	Analyte unit
229	IL23A_LOW_RANGE	Char	5	Low range for analyte
230	IL23A_HIGH_RANGE	Char	5	High range for analyte
231	IL23A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
232	IL23A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
233	IL2RA_UNIT	Char	5	Analyte unit
234	IL2RA_LOW_RANGE	Char	5	Low range for analyte
235	IL2RA_HIGH_RANGE	Char	5	High range for analyte
236	IL2RA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
237	IL2RA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
238	IL3_UNIT	Char	6	Analyte unit
239	IL3_LOW_RANGE	Char	6	Low range for analyte
240	IL3_HIGH_RANGE	Char	6	High range for analyte
241	IL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
242	IL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
243	IL4_UNIT	Char	5	Analyte unit
244	IL4_LOW_RANGE	Char	5	Low range for analyte
245	IL4_HIGH_RANGE	Char	5	High range for analyte
246	IL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
247	IL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
248	IL5_UNIT	Char	5	Analyte unit
249	IL5_LOW_RANGE	Char	5	Low range for analyte
250	IL5_HIGH_RANGE	Char	5	High range for analyte
251	IL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
252	IL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
253	IL6_UNIT	Char	5	Analyte unit
254	IL6_LOW_RANGE	Char	5	Low range for analyte
255	IL6_HIGH_RANGE	Char	5	High range for analyte
256	IL6_LDD	Num	8	LDD (Least Detectable Dose) for analyte
257	IL6_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
258	IL6R_UNIT	Char	5	Analyte unit
259	IL6R_LOW_RANGE	Char	5	Low range for analyte
260	IL6R_HIGH_RANGE	Char	5	High range for analyte
261	IL6R_LDD	Num	8	LDD (Least Detectable Dose) for analyte
262	IL6R_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
263	IL7_UNIT	Char	5	Analyte unit
264	IL7_LOW_RANGE	Char	5	Low range for analyte
265	IL7_HIGH_RANGE	Char	5	High range for analyte
266	IL7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
267	IL7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
268	IL8_UNIT	Char	5	Analyte unit
269	IL8_LOW_RANGE	Char	5	Low range for analyte
270	IL8_HIGH_RANGE	Char	5	High range for analyte
271	IL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
272	IL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
273	KIT_UNIT	Char	5	Analyte unit
274	KIT_LOW_RANGE	Char	5	Low range for analyte
275	KIT_HIGH_RANGE	Char	5	High range for analyte
276	KIT_LDD	Num	8	LDD (Least Detectable Dose) for analyte
277	KIT_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
278	KITLG_UNIT	Char	5	Analyte unit
279	KITLG_LOW_RANGE	Char	5	Low range for analyte
280	KITLG_HIGH_RANGE	Char	5	High range for analyte
281	KITLG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
282	KITLG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
283	LPA_UNIT	Char	5	Analyte unit
284	LPA_LOW_RANGE	Char	5	Low range for analyte
285	LPA_HIGH_RANGE	Char	5	High range for analyte
286	LPA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
287	LPA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
288	LTA_UNIT	Char	5	Analyte unit
289	LTA_LOW_RANGE	Char	5	Low range for analyte
290	LTA_HIGH_RANGE	Char	5	High range for analyte
291	LTA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
292	LTA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
293	LTF_UNIT	Char	5	Analyte unit
294	LTF_LOW_RANGE	Char	5	Low range for analyte
295	LTF_HIGH_RANGE	Char	5	High range for analyte
296	LTF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
297	LTF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
298	MB_UNIT	Char	5	Analyte unit
299	MB_LOW_RANGE	Char	5	Low range for analyte
300	MB_HIGH_RANGE	Char	5	High range for analyte
301	MB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
302	MB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
303	MMP3_UNIT	Char	5	Analyte unit
304	MMP3_LOW_RANGE	Char	5	Low range for analyte
305	MMP3_HIGH_RANGE	Char	5	High range for analyte
306	MMP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
307	MMP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
308	MMP9_UNIT	Char	5	Analyte unit
309	MMP9_LOW_RANGE	Char	5	Low range for analyte
310	MMP9_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
311	MMP9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
312	MMP9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
313	NGF_UNIT	Char	5	Analyte unit
314	NGF_LOW_RANGE	Char	5	Low range for analyte
315	NGF_HIGH_RANGE	Char	5	High range for analyte
316	NGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
317	NGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
318	NRCAM_UNIT	Char	5	Analyte unit
319	NRCAM_LOW_RANGE	Char	5	Low range for analyte
320	NRCAM_HIGH_RANGE	Char	5	High range for analyte
321	NRCAM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
322	NRCAM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
323	S100A12_UNIT	Char	5	Analyte unit
324	S100A12_LOW_RANGE	Char	5	Low range for analyte
325	S100A12_HIGH_RANGE	Char	5	High range for analyte
326	S100A12_LDD	Num	8	LDD (Least Detectable Dose) for analyte
327	S100A12_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
328	S100B_UNIT	Char	5	Analyte unit
329	S100B_LOW_RANGE	Char	5	Low range for analyte
330	S100B_HIGH_RANGE	Char	5	High range for analyte
331	S100B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
332	S100B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
333	SELE_UNIT	Char	5	Analyte unit
334	SELE_LOW_RANGE	Char	5	Low range for analyte
335	SELE_HIGH_RANGE	Char	5	High range for analyte
336	SELE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
337	SELE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
338	SERPINA1_UNIT	Char	5	Analyte unit
339	SERPINA1_LOW_RANGE	Char	5	Low range for analyte
340	SERPINA1_HIGH_RANGE	Char	5	High range for analyte
341	SERPINA1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
342	SERPINA1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
343	SERPINA7_UNIT	Char	5	Analyte unit
344	SERPINA7_LOW_RANGE	Char	5	Low range for analyte
345	SERPINA7_HIGH_RANGE	Char	5	High range for analyte
346	SERPINA7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
347	SERPINA7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
348	SERPINE1_UNIT	Char	5	Analyte unit
349	SERPINE1_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
350	SERPINE1_HIGH_RANGE	Char	5	High range for analyte
351	SERPINE1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
352	SERPINE1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
353	SHBG_UNIT	Char	6	Analyte unit
354	SHBG_LOW_RANGE	Char	6	Low range for analyte
355	SHBG_HIGH_RANGE	Char	6	High range for analyte
356	SHBG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
357	SHBG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
358	SLPI_UNIT	Char	5	Analyte unit
359	SLPI_LOW_RANGE	Char	5	Low range for analyte
360	SLPI_HIGH_RANGE	Char	5	High range for analyte
361	SLPI_LDD	Num	8	LDD (Least Detectable Dose) for analyte
362	SLPI_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
363	SOD1_UNIT	Char	5	Analyte unit
364	SOD1_LOW_RANGE	Char	5	Low range for analyte
365	SOD1_HIGH_RANGE	Char	5	High range for analyte
366	SOD1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
367	SOD1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
368	SORT1_UNIT	Char	5	Analyte unit
369	SORT1_LOW_RANGE	Char	5	Low range for analyte
370	SORT1_HIGH_RANGE	Char	5	High range for analyte
371	SORT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
372	SORT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
373	SPINK1_UNIT	Char	5	Analyte unit
374	SPINK1_LOW_RANGE	Char	5	Low range for analyte
375	SPINK1_HIGH_RANGE	Char	5	High range for analyte
376	SPINK1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
377	SPINK1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
378	TGFB1_LAP_UNIT	Char	5	Analyte unit
379	TGFB1_LAP_LOW_RANGE	Char	5	Low range for analyte
380	TGFB1_LAP_HIGH_RANGE	Char	5	High range for analyte
381	TGFB1_LAP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
382	TGFB1_LAP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
383	TIMP1_UNIT	Char	5	Analyte unit
384	TIMP1_LOW_RANGE	Char	5	Low range for analyte
385	TIMP1_HIGH_RANGE	Char	5	High range for analyte
386	TIMP1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
387	TIMP1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
388	TIMP2_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
389	TIMP2_LOW_RANGE	Char	5	Low range for analyte
390	TIMP2_HIGH_RANGE	Char	5	High range for analyte
391	TIMP2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
392	TIMP2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
393	TNF_UNIT	Char	5	Analyte unit
394	TNF_LOW_RANGE	Char	5	Low range for analyte
395	TNF_HIGH_RANGE	Char	5	High range for analyte
396	TNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
397	TNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
398	TNFRSF11B_UNIT	Char	4	Analyte unit
399	TNFRSF11B_LOW_RANGE	Char	4	Low range for analyte
400	TNFRSF11B_HIGH_RANGE	Char	4	High range for analyte
401	TNFRSF11B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
402	TNFRSF11B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
403	TNFRSF1A_UNIT	Char	5	Analyte unit
404	TNFRSF1A_LOW_RANGE	Char	5	Low range for analyte
405	TNFRSF1A_HIGH_RANGE	Char	5	High range for analyte
406	TNFRSF1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
407	TNFRSF1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
408	TNFRSF1B_UNIT	Char	5	Analyte unit
409	TNFRSF1B_LOW_RANGE	Char	5	Low range for analyte
410	TNFRSF1B_HIGH_RANGE	Char	5	High range for analyte
411	TNFRSF1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
412	TNFRSF1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
413	VCAM1_UNIT	Char	5	Analyte unit
414	VCAM1_LOW_RANGE	Char	5	Low range for analyte
415	VCAM1_HIGH_RANGE	Char	5	High range for analyte
416	VCAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
417	VCAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
418	VEGFA_UNIT	Char	5	Analyte unit
419	VEGFA_LOW_RANGE	Char	5	Low range for analyte
420	VEGFA_HIGH_RANGE	Char	5	High range for analyte
421	VEGFA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
422	VEGFA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
423	VTN_UNIT	Char	5	Analyte unit
424	VTN_LOW_RANGE	Char	5	Low range for analyte
425	VTN_HIGH_RANGE	Char	5	High range for analyte
426	VTN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
427	VTN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
428	VWF_UNIT	Char	5	Analyte unit
429	VWF_LOW_RANGE	Char	5	Low range for analyte
430	VWF_HIGH_RANGE	Char	5	High range for analyte
431	VWF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
432	VWF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
433	A2M	Num	8	Alpha-2-Macroglobulin (A2M)
434	ADIPOQ	Num	8	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
435	AGER	Num	8	Advanced glycosylation end product-specific receptor (AGER)
436	APCS	Num	8	Amyloid P-component, serum (APCS)
437	B2M	Num	8	Beta-2-microglobulin (B2M)
438	BDNF	Num	8	Brain-derived neurotrophic factor (BDNF)
439	C3	Num	8	Complement component C3 (C3)
440	CCL11	Num	8	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
441	CCL13	Num	8	Chemokine (C-C motif) ligand 13 (CCL13)
442	CCL18	Num	8	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) (CCL18)
443	CCL2	Num	8	Chemokine (C-C motif) ligand 2 (CCL2)
444	CCL20	Num	8	Chemokine (C-C motif) ligand 20 (CCL20)
445	CCL23	Num	8	Chemokine (C-C motif) ligand 23 (CCL23)
446	CCL24	Num	8	Chemokine (C-C motif) ligand 24 (CCL24)
447	CCL3	Num	8	Chemokine (C-C motif) ligand 3 (CCL3)
448	CCL4	Num	8	Chemokine (C-C motif) ligand 4 (CCL4)
449	CCL5	Num	8	chemokine (C-C motif) ligand 5 (CCL5)
450	CCL8	Num	8	Chemokine (C-C motif) ligand 8 (CCL8)
451	CDH1	Num	8	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
452	CHGA	Num	8	Chromogranin A (parathyroid secretory protein 1) (CHGA)
453	CRP	Num	8	C-reactive protein, pentraxin-related (CRP)
454	CSF2	Num	8	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
455	CSTB	Num	8	Cystatin B (stefin B) (CSTB)
456	CXCL1	Num	8	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
457	CXCL10	Num	8	Chemokine (C-X-C motif) ligand 10 (CXCL10)
458	CXCL9	Num	8	Chemokine (C-X-C motif) ligand 9 (CXCL9)
459	F7	Num	8	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
460	FGA_FGB_FGG	Num	8	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
461	FTL_FTH1	Num	8	Ferritin [FT(L/H1)]
462	GC	Num	8	Group-specific component (vitamin D binding protein) (GC)
463	HP	Num	8	Haptoglobin (HP)
464	ICAM1	Num	8	Intercellular Adhesion Molecule 1 (ICAM1)
465	IFNG	Num	8	Interferon, gamma (IFNG)
466	IGA	Num	8	Immunoglobulin A (IgA)

Num	Variable	Type	Len	Label
467	IGM	Num	8	Immunoglobulin M
468	IL10	Num	8	Interleukin 10 (IL10)
469	IL12A_IL12B	Num	8	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
470	IL12B	Num	8	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
471	IL15	Num	8	Interleukin 15 (IL15)
472	IL17A	Num	8	Interleukin 17 (IL17A)
473	IL18	Num	8	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
474	IL1A	Num	8	Interleukin 1, alpha (IL1A)
475	IL1B	Num	8	Interleukin 1, beta (IL1B)
476	IL1RN	Num	8	Interleukin 1 receptor antagonist (IL1RN)
477	IL2	Num	8	Interleukin 2 (IL2)
478	IL23A	Num	8	Interleukin 23, alpha subunit p19 (IL23A)
479	IL2RA	Num	8	Interleukin 2 receptor, alpha (IL2RA)
480	IL3	Num	8	Interleukin 3 (IL3)
481	IL4	Num	8	Interleukin 4 (IL4)
482	IL5	Num	8	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
483	IL6	Num	8	Interleukin 6 (interferon, beta 2) (IL6)
484	IL6R	Num	8	Interleukin-6 receptor (IL6R)
485	IL7	Num	8	Interleukin 7 (IL7)
486	IL8	Num	8	Interleukin 8 (IL8)
487	KIT	Num	8	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
488	KITLG	Num	8	KIT ligand (KITLG)
489	LPA	Num	8	Lipoprotein, (Lp(a) (LPA)
490	LTA	Num	8	Lymphotoxin alpha (LTA)
491	LTF	Num	8	Lactotransferrin
492	MB	Num	8	Myoglobin (MB)
493	MMP3	Num	8	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
494	MMP9	Num	8	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
495	NGF	Num	8	Nerve growth gactor (beta polypeptide) (NGF)
496	NRCAM	Num	8	Neuronal Cell Adhesion Molecule (NRCAM)
497	S100A12	Num	8	S100 calcium binding protein A12 (ENRAGE)
498	S100B	Num	8	S100 calcium binding protein B (S100B)
499	SELE	Num	8	Selectin E (SELE)
500	SERPINA1	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
501	SERPINA7	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
502	SERPINE1	Num	8	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)

Num	Variable	Type	Len	Label
503	SHBG	Num	8	Sex Hormone-Binding Globulin (SHBG)
504	SLPI	Num	8	Secretory leukocyte peptidase inhibitor (SLPI)
505	SOD1	Num	8	Superoxide Dismutase 1, soluble (SOD1)
506	SORT1	Num	8	Sortilin 1 (SORT1)
507	SPINK1	Num	8	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
508	TGFB1_LAP	Num	8	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
509	TIMP1	Num	8	TIMP metallopeptidase inhibitor 1 (TIMP1)
510	TIMP2	Num	8	TIMP metallopeptidase inhibitor 2 (TIMP2)
511	TNF	Num	8	Tumor necrosis factor (TNF)
512	TNFRSF11B	Num	8	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
513	TNFRSF1A	Num	8	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
514	TNFRSF1B	Num	8	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
515	VCAM1	Num	8	Vascular cell adhesion molecule 1 (VCAM1)
516	VEGFA	Num	8	Vascular endothelial growth factor (VEGFA)
517	VTN	Num	8	Vitronectin
518	VWF	Num	8	von Willebrand Factor (vWF)
519	ANGPT1_UNIT	Char	5	Analyte unit
520	ANGPT1_LOW_RANGE	Char	5	Low range for analyte
521	ANGPT1_HIGH_RANGE	Char	5	High range for analyte
522	ANGPT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
523	ANGPT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
524	AXL_UNIT	Char	5	Analyte unit
525	AXL_LOW_RANGE	Char	5	Low range for analyte
526	AXL_HIGH_RANGE	Char	5	High range for analyte
527	AXL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
528	AXL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
529	CA9_UNIT	Char	5	Analyte unit
530	CA9_LOW_RANGE	Char	5	Low range for analyte
531	CA9_HIGH_RANGE	Char	5	High range for analyte
532	CA9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
533	CA9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
534	CCL16_UNIT	Char	5	Analyte unit
535	CCL16_LOW_RANGE	Char	5	Low range for analyte
536	CCL16_HIGH_RANGE	Char	5	High range for analyte
537	CCL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
538	CCL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
539	CCL22_UNIT	Char	5	Analyte unit
540	CCL22_LOW_RANGE	Char	5	Low range for analyte
541	CCL22_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
542	CCL22_LDD	Num	8	LDD (Least Detectable Dose) for analyte
543	CCL22_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
544	CDH13_UNIT	Char	5	Analyte unit
545	CDH13_LOW_RANGE	Char	5	Low range for analyte
546	CDH13_HIGH_RANGE	Char	5	High range for analyte
547	CDH13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
548	CDH13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
549	CEACAM1_UNIT	Char	5	Analyte unit
550	CEACAM1_LOW_RANGE	Char	5	Low range for analyte
551	CEACAM1_HIGH_RANGE	Char	5	High range for analyte
552	CEACAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
553	CEACAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
554	CKM_CKB_UNIT	Char	5	Analyte unit
555	CKM_CKB_LOW_RANGE	Char	5	Low range for analyte
556	CKM_CKB_HIGH_RANGE	Char	5	High range for analyte
557	CKM_CKB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
558	CKM_CKB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
559	CXCL5_UNIT	Char	5	Analyte unit
560	CXCL5_LOW_RANGE	Char	5	Low range for analyte
561	CXCL5_HIGH_RANGE	Char	5	High range for analyte
562	CXCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
563	CXCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
564	DCN_UNIT	Char	5	Analyte unit
565	DCN_LOW_RANGE	Char	5	Low range for analyte
566	DCN_HIGH_RANGE	Char	5	High range for analyte
567	DCN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
568	DCN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
569	FABP3_UNIT	Char	5	Analyte unit
570	FABP3_LOW_RANGE	Char	5	Low range for analyte
571	FABP3_HIGH_RANGE	Char	5	High range for analyte
572	FABP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
573	FABP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
574	FAS_UNIT	Char	5	Analyte unit
575	FAS_LOW_RANGE	Char	5	Low range for analyte
576	FAS_HIGH_RANGE	Char	5	High range for analyte
577	FAS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
578	FAS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
579	HGF_UNIT	Char	5	Analyte unit
580	HGF_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
581	HGF_HIGH_RANGE	Char	5	High range for analyte
582	HGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
583	HGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
584	IGE_UNIT	Char	4	Analyte unit
585	IGE_LOW_RANGE	Char	4	Low range for analyte
586	IGE_HIGH_RANGE	Char	4	High range for analyte
587	IGE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
588	IGE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
589	IL13_UNIT	Char	5	Analyte unit
590	IL13_LOW_RANGE	Char	5	Low range for analyte
591	IL13_HIGH_RANGE	Char	5	High range for analyte
592	IL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
593	IL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
594	IL16_UNIT	Char	5	Analyte unit
595	IL16_LOW_RANGE	Char	5	Low range for analyte
596	IL16_HIGH_RANGE	Char	5	High range for analyte
597	IL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
598	IL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
599	IL18BP_UNIT	Char	5	Analyte unit
600	IL18BP_LOW_RANGE	Char	5	Low range for analyte
601	IL18BP_HIGH_RANGE	Char	5	High range for analyte
602	IL18BP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
603	IL18BP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
604	KLK3_F_UNIT	Char	6	Analyte unit
605	KLK3_F_LOW_RANGE	Char	6	Low range for analyte
606	KLK3_F_HIGH_RANGE	Char	6	High range for analyte
607	KLK3_F_LDD	Num	8	LDD (Least Detectable Dose) for analyte
608	KLK3_F_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
609	MDK_UNIT	Char	5	Analyte unit
610	MDK_LOW_RANGE	Char	5	Low range for analyte
611	MDK_HIGH_RANGE	Char	5	High range for analyte
612	MDK_LDD	Num	8	LDD (Least Detectable Dose) for analyte
613	MDK_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
614	NPPB_PH_UNIT	Char	5	Analyte unit
615	NPPB_PH_LOW_RANGE	Char	5	Low range for analyte
616	NPPB_PH_HIGH_RANGE	Char	5	High range for analyte
617	NPPB_PH_LDD	Num	8	LDD (Least Detectable Dose) for analyte
618	NPPB_PH_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
619	OLR1_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
620	OLR1_LOW_RANGE	Char	5	Low range for analyte
621	OLR1_HIGH_RANGE	Char	5	High range for analyte
622	OLR1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
623	OLR1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
624	PECAM1_UNIT	Char	5	Analyte unit
625	PECAM1_LOW_RANGE	Char	5	Low range for analyte
626	PECAM1_HIGH_RANGE	Char	5	High range for analyte
627	PECAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
628	PECAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
629	SFTPD_UNIT	Char	5	Analyte unit
630	SFTPD_LOW_RANGE	Char	5	Low range for analyte
631	SFTPD_HIGH_RANGE	Char	5	High range for analyte
632	SFTPD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
633	SFTPD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
634	THBD_UNIT	Char	5	Analyte unit
635	THBD_LOW_RANGE	Char	5	Low range for analyte
636	THBD_HIGH_RANGE	Char	5	High range for analyte
637	THBD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
638	THBD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
639	TNFRSF10C_UNIT	Char	5	Analyte unit
640	TNFRSF10C_LOW_RANGE	Char	5	Low range for analyte
641	TNFRSF10C_HIGH_RANGE	Char	5	High range for analyte
642	TNFRSF10C_LDD	Num	8	LDD (Least Detectable Dose) for analyte
643	TNFRSF10C_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
644	ANGPT1	Num	8	Angiopoietin 1 (ANGPT1)
645	AXL	Num	8	AXL Receptor Tyrosine Kinase (AXL)
646	CA9	Num	8	Carbonic anhydrase IX (CA9)
647	CCL16	Num	8	Chemokine (C-C motif) ligand 16 (CCL16)
648	CCL22	Num	8	chemokine (C-C motif) ligand 22 (CCL22)
649	CDH13	Num	8	Cadherin 13, H-cadherin (heart) (CDH13)
650	CEACAM1	Num	8	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
651	CKM_CKB	Num	8	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
652	CXCL5	Num	8	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
653	DCN	Num	8	Decorin (DCN)
654	FABP3	Num	8	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
655	FAS	Num	8	Fas cell surface death receptor (FAS)
656	HGF	Num	8	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
657	IGE	Num	8	Immunoglobulin E (IgE)

Num	Variable	Type	Len	Label
658	IL13	Num	8	Interleukin 13 (IL13)
659	IL16	Num	8	Interleukin 16 (IL16)
660	IL18BP	Num	8	Interleukin 18 binding protein (IL18BP)
661	KLK3_F	Num	8	Kallikrein-related peptidase 3 (free) (PSAF)
662	MDK	Num	8	Midkine (neurite growth-promoting factor 2) (MDK)
663	NPPB_PH	Num	8	Natriuretic peptide (NPPB; N-terminal prohormone)
664	OLR1	Num	8	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
665	PECAM1	Num	8	Platelet endothelial cell adhesion molecule (PECAM1)
666	SFTPD	Num	8	Surfactant protein D (SFTPD)
667	THBD	Num	8	Thrombomodulin (THBD)
668	TNFRSF10C	Num	8	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
669	ADIPOQ_RAW	Char	5	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
670	SERPINA1_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
671	A2M_RAW	Char	5	Alpha-2-Macroglobulin (A2M)
672	SLPI_RAW	Char	5	Secretory leukocyte peptidase inhibitor (SLPI)
673	LPA_RAW	Char	5	Lipoprotein, (Lp(a) (LPA)
674	B2M_RAW	Char	5	Beta-2-microglobulin (B2M)
675	BDNF_RAW	Char	5	Brain-derived neurotrophic factor (BDNF)
676	CRP_RAW	Char	5	C-reactive protein, pentraxin-related (CRP)
677	CDH1_RAW	Char	5	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
678	CHGA_RAW	Char	5	Chromogranin A (parathyroid secretory protein 1) (CHGA)
679	C3_RAW	Char	6	Complement component C3 (C3)
680	CSTB_RAW	Char	5	Cystatin B (stefin B) (CSTB)
681	SELE_RAW	Char	5	Selectin E (SELE)
682	S100A12_RAW	Char	5	S100 calcium binding protein A12 (ENRAGE)
683	CCL11_RAW	Char	5	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
684	CCL24_RAW	Char	5	Chemokine (C-C motif) ligand 24 (CCL24)
685	F7_RAW	Char	5	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
686	FTL_FTH1_RAW	Char	5	Ferritin [FT(L/H1)]
687	FGA_FGB_FGG_RAW	Char	6	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
688	CSF2_RAW	Char	5	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
689	CXCL1_RAW	Char	5	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
690	HP_RAW	Char	5	Haptoglobin (HP)
691	IGA_RAW	Char	5	Immunoglobulin A (IgA)
692	IGM_RAW	Char	5	Immunoglobulin M
693	ICAM1_RAW	Char	5	Intercellular Adhesion Molecule 1 (ICAM1)
694	IFNG_RAW	Char	5	Interferon, gamma (IFNG)

Num	Variable	Type	Len	Label
695	CXCL10_RAW	Char	5	Chemokine (C-X-C motif) ligand 10 (CXCL10)
696	IL1A_RAW	Char	7	Interleukin 1, alpha (IL1A)
697	IL1B_RAW	Char	5	Interleukin 1, beta (IL1B)
698	IL1RN_RAW	Char	5	Interleukin 1 receptor antagonist (IL1RN)
699	IL2_RAW	Char	5	Interleukin 2 (IL2)
700	IL2RA_RAW	Char	5	Interleukin 2 receptor, alpha (IL2RA)
701	IL3_RAW	Char	6	Interleukin 3 (IL3)
702	IL4_RAW	Char	5	Interleukin 4 (IL4)
703	IL5_RAW	Char	5	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
704	IL6_RAW	Char	5	Interleukin 6 (interferon, beta 2) (IL6)
705	IL6R_RAW	Char	5	Interleukin-6 receptor (IL6R)
706	IL7_RAW	Char	5	Interleukin 7 (IL7)
707	IL8_RAW	Char	5	Interleukin 8 (IL8)
708	IL10_RAW	Char	5	Interleukin 10 (IL10)
709	IL12B_RAW	Char	5	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
710	IL12A_IL12B_RAW	Char	5	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
711	IL15_RAW	Char	5	Interleukin 15 (IL15)
712	IL17A_RAW	Char	5	Interleukin 17 (IL17A)
713	IL18_RAW	Char	5	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
714	IL23A_RAW	Char	5	Interleukin 23, alpha subunit p19 (IL23A)
715	LTF_RAW	Char	5	Lactotransferrin
716	TGFB1_LAP_RAW	Char	5	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
717	CCL3_RAW	Char	5	Chemokine (C-C motif) ligand 3 (CCL3)
718	CCL4_RAW	Char	5	Chemokine (C-C motif) ligand 4 (CCL4)
719	CCL20_RAW	Char	5	Chemokine (C-C motif) ligand 20 (CCL20)
720	KIT_RAW	Char	5	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
721	MMP3_RAW	Char	5	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
722	MMP9_RAW	Char	5	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
723	CCL2_RAW	Char	5	Chemokine (C-C motif) ligand 2 (CCL2)
724	CCL8_RAW	Char	5	Chemokine (C-C motif) ligand 8 (CCL8)
725	CCL13_RAW	Char	5	Chemokine (C-C motif) ligand 13 (CCL13)
726	CXCL9_RAW	Char	5	Chemokine (C-X-C motif) ligand 9 (CXCL9)
727	CCL23_RAW	Char	5	Chemokine (C-C motif) ligand 23 (CCL23)
728	MB_RAW	Char	5	Myoglobin (MB)
729	NGF_RAW	Char	5	Nerve growth gactor (beta polypeptide) (NGF)
730	NRCAM_RAW	Char	5	Neuronal Cell Adhesion Molecule (NRCAM)
731	TNFRSF11B_RAW	Char	4	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
732	SPINK1_RAW	Char	5	Serine peptidase inhibitor, Kazal type 1 (SPINK1)

Num	Variable	Type	Len	Label
733	SERPINE1_RAW	Char	5	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
734	CCL18_RAW	Char	5	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
735	AGER_RAW	Char	5	Advanced glycosylation end product-specific receptor (AGER)
736	S100B_RAW	Char	5	S100 calcium binding protein B (S100B)
737	APCS_RAW	Char	5	Amyloid P-component, serum (APCS)
738	SHBG_RAW	Char	6	Sex Hormone-Binding Globulin (SHBG)
739	SORT1_RAW	Char	5	Sortilin 1 (SORT1)
740	KITLG_RAW	Char	5	KIT ligand (KITLG)
741	SOD1_RAW	Char	5	Superoxide Dismutase 1, soluble (SOD1)
742	CCL5_RAW	Char	5	chemokine (C-C motif) ligand 5 (CCL5)
743	SERPINA7_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
744	TIMP1_RAW	Char	5	TIMP metallopeptidase inhibitor 1 (TIMP1)
745	TIMP2_RAW	Char	5	TIMP metallopeptidase inhibitor 2 (TIMP2)
746	TNF_RAW	Char	5	Tumor necrosis factor (TNF)
747	LTA_RAW	Char	5	Lymphotoxin alpha (LTA)
748	TNFRSF1A_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
749	TNFRSF1B_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
750	VCAM1_RAW	Char	5	Vascular cell adhesion molecule 1 (VCAM1)
751	VEGFA_RAW	Char	5	Vascular endothelial growth factor (VEGFA)
752	GC_RAW	Char	5	Group-specific component (vitamin D binding protein) (GC)
753	VTN_RAW	Char	5	Vitronectin
754	VWF_RAW	Char	5	von Willebrand Factor (vWF)
755	ANGPT1_RAW	Char	5	Angiopoietin 1 (ANGPT1)
756	AXL_RAW	Char	5	AXL Receptor Tyrosine Kinase (AXL)
757	CDH13_RAW	Char	5	Cadherin 13, H-cadherin (heart) (CDH13)
758	CA9_RAW	Char	5	Carbonic anhydrase IX (CA9)
759	CEACAM1_RAW	Char	5	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
760	CCL16_RAW	Char	5	Chemokine (C-C motif) ligand 16 (CCL16)
761	CKM_CKB_RAW	Char	5	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
762	DCN_RAW	Char	5	Decorin (DCN)
763	CXCL5_RAW	Char	5	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
764	FAS_RAW	Char	5	Fas cell surface death receptor (FAS)
765	FABP3_RAW	Char	5	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
766	HGF_RAW	Char	5	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
767	IGE_RAW	Char	5	Immunoglobulin E (IgE)
768	IL13_RAW	Char	5	Interleukin 13 (IL13)
769	IL16_RAW	Char	5	Interleukin 16 (IL16)

Num	Variable	Type	Len	Label
770	IL18BP_RAW	Char	5	Interleukin 18 binding protein (IL18BP)
771	OLR1_RAW	Char	5	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
772	CCL22_RAW	Char	5	chemokine (C-C motif) ligand 22 (CCL22)
773	MDK_RAW	Char	5	Midkine (neurite growth-promoting factor 2) (MDK)
774	NPPB_PH_RAW	Char	5	Natriuretic peptide (NPPB; N-terminal prohormone)
775	PECAM1_RAW	Char	5	Platelet endothelial cell adhesion molecule (PECAM1)
776	KLK3_F_RAW	Char	6	Kallikrein-related peptidase 3 (free) (PSAF)
777	SFTPD_RAW	Char	5	Surfactant protein D (SFTPD)
778	THBD_RAW	Char	5	Thrombomodulin (THBD)
779	TNFRSF10C_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
780	A2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
781	ADIPOQ_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
782	AGER_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
783	ANGPT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
784	APCS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
785	AXL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
786	B2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
787	BDNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
788	C3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
789	CA9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
790	CCL11_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
791	CCL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
792	CCL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
793	CCL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
794	CCL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
795	CCL20_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
796	CCL22_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
797	CCL23_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
798	CCL24_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
799	CCL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
800	CCL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
801	CCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
802	CCL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
803	CDH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
804	CDH13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
805	CEACAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
806	CHGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
807	CKM_CKB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
808	CRP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
809	CSF2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
810	CSTB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
811	CXCL1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
812	CXCL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
813	CXCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
814	CXCL9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
815	DCN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
816	F7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
817	FABP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
818	FAS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
819	FGA_FGB_FGG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
820	FTL_FTH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
821	GC_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
822	HGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
823	HP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
824	ICAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
825	IFNG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
826	IGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
827	IGE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
828	IGM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
829	IL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
830	IL12A_IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
831	IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
832	IL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
833	IL15_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
834	IL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
835	IL17A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
836	IL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
837	IL18BP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
838	IL1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
839	IL1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
840	IL1RN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
841	IL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
842	IL23A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
843	IL2RA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
844	IL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
845	IL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
846	IL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
847	IL6_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
848	IL6R_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
849	IL7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
850	IL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
851	KIT_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
852	KITLG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
853	KLK3_F_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
854	LPA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
855	LTA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
856	LTF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
857	MB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
858	MDK_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
859	MMP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
860	MMP9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
861	NGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
862	NPPB_PH_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
863	NRCAM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
864	OLR1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
865	PECAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
866	S100A12_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
867	S100B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
868	SELE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
869	SERPINA1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
870	SERPINA7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
871	SERPINE1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
872	SFTPD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
873	SHBG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
874	SLPI_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
875	SOD1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
876	SORT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
877	SPINK1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
878	TGFB1_LAP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
879	THBD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
880	TIMP1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
881	TIMP2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
882	TNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
883	TNFRSF10C_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
884	TNFRSF11B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
885	TNFRSF1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
886	TNFRSF1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
887	VCAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
888	VEGFA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
889	VTN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
890	VWF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
891	A2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
892	ADIPOQ_OUTLIER	Num	8	Flag of potential outlier values for analyte
893	AGER_OUTLIER	Num	8	Flag of potential outlier values for analyte
894	ANGPT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
895	APCS_OUTLIER	Num	8	Flag of potential outlier values for analyte
896	AXL_OUTLIER	Num	8	Flag of potential outlier values for analyte
897	B2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
898	BDNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
899	C3_OUTLIER	Num	8	Flag of potential outlier values for analyte
900	CA9_OUTLIER	Num	8	Flag of potential outlier values for analyte
901	CCL11_OUTLIER	Num	8	Flag of potential outlier values for analyte
902	CCL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
903	CCL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
904	CCL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
905	CCL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
906	CCL20_OUTLIER	Num	8	Flag of potential outlier values for analyte
907	CCL22_OUTLIER	Num	8	Flag of potential outlier values for analyte
908	CCL23_OUTLIER	Num	8	Flag of potential outlier values for analyte
909	CCL24_OUTLIER	Num	8	Flag of potential outlier values for analyte
910	CCL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
911	CCL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
912	CCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
913	CCL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
914	CDH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
915	CDH13_OUTLIER	Num	8	Flag of potential outlier values for analyte
916	CEACAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
917	CHGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
918	CKM_CKB_OUTLIER	Num	8	Flag of potential outlier values for analyte
919	CRP_OUTLIER	Num	8	Flag of potential outlier values for analyte
920	CSF2_OUTLIER	Num	8	Flag of potential outlier values for analyte
921	CSTB_OUTLIER	Num	8	Flag of potential outlier values for analyte
922	CXCL1_OUTLIER	Num	8	Flag of potential outlier values for analyte
923	CXCL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
924	CXCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
925	CXCL9_OUTLIER	Num	8	Flag of potential outlier values for analyte
926	DCN_OUTLIER	Num	8	Flag of potential outlier values for analyte
927	F7_OUTLIER	Num	8	Flag of potential outlier values for analyte
928	FABP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
929	FAS_OUTLIER	Num	8	Flag of potential outlier values for analyte
930	FGA_FGB_FGG_OUTLIER	Num	8	Flag of potential outlier values for analyte
931	FTL_FTH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
932	GC_OUTLIER	Num	8	Flag of potential outlier values for analyte
933	HGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
934	HP_OUTLIER	Num	8	Flag of potential outlier values for analyte
935	ICAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
936	IFNG_OUTLIER	Num	8	Flag of potential outlier values for analyte
937	IGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
938	IGE_OUTLIER	Num	8	Flag of potential outlier values for analyte
939	IGM_OUTLIER	Num	8	Flag of potential outlier values for analyte
940	IL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
941	IL12A_IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
942	IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
943	IL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
944	IL15_OUTLIER	Num	8	Flag of potential outlier values for analyte
945	IL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
946	IL17A_OUTLIER	Num	8	Flag of potential outlier values for analyte
947	IL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
948	IL18BP_OUTLIER	Num	8	Flag of potential outlier values for analyte
949	IL1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
950	IL1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
951	IL1RN_OUTLIER	Num	8	Flag of potential outlier values for analyte
952	IL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
953	IL23A_OUTLIER	Num	8	Flag of potential outlier values for analyte
954	IL2RA_OUTLIER	Num	8	Flag of potential outlier values for analyte
955	IL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
956	IL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
957	IL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
958	IL6_OUTLIER	Num	8	Flag of potential outlier values for analyte
959	IL6R_OUTLIER	Num	8	Flag of potential outlier values for analyte
960	IL7_OUTLIER	Num	8	Flag of potential outlier values for analyte
961	IL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
962	KIT_OUTLIER	Num	8	Flag of potential outlier values for analyte
963	KITLG_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
964	KLK3_F_OUTLIER	Num	8	Flag of potential outlier values for analyte
965	LPA_OUTLIER	Num	8	Flag of potential outlier values for analyte
966	LTA_OUTLIER	Num	8	Flag of potential outlier values for analyte
967	LTF_OUTLIER	Num	8	Flag of potential outlier values for analyte
968	MB_OUTLIER	Num	8	Flag of potential outlier values for analyte
969	MDK_OUTLIER	Num	8	Flag of potential outlier values for analyte
970	MMP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
971	MMP9_OUTLIER	Num	8	Flag of potential outlier values for analyte
972	NGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
973	NPPB_PH_OUTLIER	Num	8	Flag of potential outlier values for analyte
974	NRCAM_OUTLIER	Num	8	Flag of potential outlier values for analyte
975	OLR1_OUTLIER	Num	8	Flag of potential outlier values for analyte
976	PECAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
977	S100A12_OUTLIER	Num	8	Flag of potential outlier values for analyte
978	S100B_OUTLIER	Num	8	Flag of potential outlier values for analyte
979	SELE_OUTLIER	Num	8	Flag of potential outlier values for analyte
980	SERPINA1_OUTLIER	Num	8	Flag of potential outlier values for analyte
981	SERPINA7_OUTLIER	Num	8	Flag of potential outlier values for analyte
982	SERPINE1_OUTLIER	Num	8	Flag of potential outlier values for analyte
983	SFTPD_OUTLIER	Num	8	Flag of potential outlier values for analyte
984	SHBG_OUTLIER	Num	8	Flag of potential outlier values for analyte
985	SLPI_OUTLIER	Num	8	Flag of potential outlier values for analyte
986	SOD1_OUTLIER	Num	8	Flag of potential outlier values for analyte
987	SORT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
988	SPINK1_OUTLIER	Num	8	Flag of potential outlier values for analyte
989	TGFB1_LAP_OUTLIER	Num	8	Flag of potential outlier values for analyte
990	THBD_OUTLIER	Num	8	Flag of potential outlier values for analyte
991	TIMP1_OUTLIER	Num	8	Flag of potential outlier values for analyte
992	TIMP2_OUTLIER	Num	8	Flag of potential outlier values for analyte
993	TNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
994	TNFRSF10C_OUTLIER	Num	8	Flag of potential outlier values for analyte
995	TNFRSF11B_OUTLIER	Num	8	Flag of potential outlier values for analyte
996	TNFRSF1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
997	TNFRSF1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
998	VCAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
999	VEGFA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1000	VTN_OUTLIER	Num	8	Flag of potential outlier values for analyte
1001	VWF_OUTLIER	Num	8	Flag of potential outlier values for analyte

Data Set Name: rbmp_edta_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	SAMPLETYPE	Char	6	Specimen type
3	REPNUM	Char	6	Replicate number
4	ADIP	Char	3	Adiponectin
5	AACT	Char	4	Alpha-1-Antichymotrypsin
6	AAT	Char	4	Alpha-1-Antitrypsin
7	A2MACRO	Char	3	Alpha-2-Macroglobulin
8	ANG_1	Char	3	Angiopoietin-1
9	ALP	Char	2	Antileukoproteinase (SLPI)
10	APOA_IV	Char	3	Apolipoprotein A-IV
11	AXL	Char	4	AXL Receptor Tyrosine Kinase
12	B2M	Char	4	Beta-2-Microglobulin
13	BDNF	Char	4	Brain-Derived Neurotrophic Factor
14	CRP	Char	4	C-reactive protein
15	E_CAD	Char	4	Cadherin-1
16	T_CAD	Char	3	Cadherin-13
17	CA_9	Char	5	Carbonic anhydrase 9
18	CEACAM1	Char	3	Carcinoembryonic antigen-related cell adhesion molecule 1
19	HCC_4	Char	3	Chemokine CC-4
20	CGA	Char	5	Chromogranin-A
21	C3	Char	4	Complement C3
22	CYSB	Char	3	Cystatin-B
23	DEC	Char	3	Decorin
24	ESELECT	Char	3	E-Selectin
25	EOTAX1	Char	3	Eotaxin-1
26	EOTAX2	Char	4	Eotaxin-2
27	FACTORVII	Char	3	Factor VII
28	FAS	Char	4	FASLG Receptor
29	FABP	Char	3	Fatty Acid-Binding Protein,heart
30	FRTN	Char	4	Ferritin
31	FIBRO	Char	3	Fibrinogen
32	GM_CSF	Char	3	Granulocyte-Macrophage Colony-Stimulating Factor
33	HAPTO	Char	6	Haptoglobin
34	HSP_60	Char	3	Heat Shock Protein 60
35	HGF	Char	3	Hepatocyte Growth Factor
36	IGA	Char	4	Immunoglobulin A
37	IGM	Char	5	Immunoglobulin M

Num	Variable	Type	Len	Label
38	ICAM_1	Char	3	Intercellular Adhesion Molecule 1
39	IFN_GAMMA	Char	3	Interferon gamma
40	IP_10	Char	3	Interferon gamma Induced Protein 10
41	IL_1ALPHA	Char	7	Interleukin-1 alpha
42	IL_1BETA	Char	4	Interleukin-1 beta
43	IL_1RA	Char	4	Interleukin-1 receptor antagonist
44	IL_2	Char	4	Interleukin-2
45	IL_2RECEPTOR_ALPHA	Char	4	Interleukin-2 receptor alpha
46	IL_3	Char	7	Interleukin-3
47	IL_4	Char	3	Interleukin-4
48	IL_5	Char	3	Interleukin-5
49	IL_6	Char	4	Interleukin-6
50	IL_6R	Char	3	Interleukin-6 receptor
51	IL_7	Char	3	Interleukin-7
52	IL_8	Char	3	Interleukin-8
53	IL_10	Char	4	Interleukin-10
54	IL_12P40	Char	5	Interleukin-12 Subunit p40
55	IL_12P70	Char	3	Interleukin-12 Subunit p70
56	IL_15	Char	5	Interleukin-15
57	IL_17	Char	4	Interleukin-17
58	IL_18	Char	4	Interleukin-18
59	IL_18BP	Char	3	Interleukin-18-binding protein
60	IL_23	Char	5	Interleukin-23
61	LTF	Char	3	Lactoferrin
62	LAPTGF_B1	Char	3	Latency-Associated Peptide of Transforming Growth Factor beta 1
63	LOX_1	Char	5	Lectin-Like Oxidized LDL Receptor 1
64	MIP_1ALPHA	Char	3	Macrophage Inflammatory Protein-1 alpha
65	MIP_1BETA	Char	3	Macrophage Inflammatory Protein-1 beta
66	MIP_3ALPHA	Char	3	Macrophage Inflammatory Protein-3 alpha
67	MDA_LDL	Char	4	Malondialdehyde-Modified Low-Density Lipoprotein
68	SCFR	Char	3	Mast/stem cell growth factor receptor
69	MMP_2	Char	4	Matrix Metalloproteinase-2
70	MMP_3	Char	3	Matrix Metalloproteinase-3
71	MMP_9	Char	3	Matrix Metalloproteinase-9
72	MICA	Char	3	MHC class I chain-related protein A
73	MICROALBUMIN	Char	5	Microalbumin
74	MIDKINE	Char	3	Midkine
75	MCP_1	Char	3	Monocyte Chemotactic Protein 1
76	MCP_2	Char	4	Monocyte Chemotactic Protein 2

Num	Variable	Type	Len	Label
77	MCP_4	Char	4	Monocyte Chemotactic Protein 4
78	MIG	Char	4	Monokine Induced by Gamma Interferon
79	MPIF_1	Char	4	Myeloid Progenitor Inhibitory Factor 1
80	MYOGLOBIN	Char	3	Myoglobin
81	NTPROBNP	Char	4	N-terminal prohormone of brain natriuretic peptide
82	NGF_BETA	Char	6	Nerve Growth Factor beta
83	NR_CAM	Char	4	Neuronal Cell Adhesion Molecule
84	OPG	Char	3	Osteoprotegerin
85	TATI	Char	3	Pancreatic secretory trypsin inhibitor
86	PAI_1	Char	3	Plasminogen Activator Inhibitor 1
87	PECAM_1	Char	2	Platelet endothelial cell adhesion molecule
88	PROINSULIN__INTACT	Char	4	Proinsulin, Intact
89	PROINSULIN__TOT	Char	3	Proinsulin, Total
90	PARC	Char	3	Pulmonary and Activation-Regulated Chemokine
91	SP_D	Char	3	Pulmonary surfactant-associated protein D
92	RAGE	Char	4	Receptor for advanced glycosylation end products
93	S100_B	Char	5	S100 calcium-binding protein B
94	SORTILIN	Char	3	Sortilin
95	SCF	Char	4	Stem Cell Factor
96	SOD_1	Char	2	Superoxide Dismutase 1, soluble
97	RANTES	Char	3	T-Cell-Specific Protein RANTES
98	TM	Char	3	Thrombomodulin
99	TIMP_1	Char	3	Tissue Inhibitor of Metalloproteinases 1
100	TIMP_2	Char	2	Tissue Inhibitor of Metalloproteinases 2
101	TRAIL_R3	Char	3	TNF-Related Apoptosis-Inducing Ligand Receptor 3
102	TNF_ALPHA	Char	3	Tumor Necrosis Factor alpha
103	TNF_BETA	Char	4	Tumor Necrosis Factor beta
104	TNFR1	Char	4	Tumor Necrosis Factor Receptor 1
105	TNFR2	Char	3	Tumor necrosis factor receptor 2
106	VCAM_1	Char	3	Vascular Cell Adhesion Molecule-1
107	VEGF	Char	3	Vascular Endothelial Growth Factor
108	VDBP	Char	3	Vitamin D-Binding Protein

Data Set Name: rbmp_p100_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	SAMPLETYPE	Char	7	Specimen type
3	REPNUM	Char	6	Replicate number
4	ADIP	Char	3	Adiponectin
5	AACT	Char	4	Alpha-1-Antichymotrypsin
6	AAT	Char	4	Alpha-1-Antitrypsin
7	A2MACRO	Char	4	Alpha-2-Macroglobulin
8	ANG_1	Char	4	Angiopoietin-1
9	ALP	Char	2	Antileukoproteinase (SLPI)
10	APOA_IV	Char	3	Apolipoprotein A-IV
11	AXL	Char	3	AXL Receptor Tyrosine Kinase
12	B2M	Char	4	Beta-2-Microglobulin
13	BDNF	Char	4	Brain-Derived Neurotrophic Factor
14	CRP	Char	4	C-reactive protein
15	E_CAD	Char	4	Cadherin-1
16	T_CAD	Char	3	Cadherin-13
17	CA_9	Char	5	Carbonic anhydrase 9
18	CEACAM1	Char	3	Carcinoembryonic antigen-related cell adhesion molecule 1
19	HCC_4	Char	3	Chemokine CC-4
20	CGA	Char	5	Chromogranin-A
21	C3	Char	4	Complement C3
22	CYSB	Char	3	Cystatin-B
23	DEC	Char	3	Decorin
24	ESELECT	Char	3	E-Selectin
25	EOTAX1	Char	3	Eotaxin-1
26	EOTAX2	Char	4	Eotaxin-2
27	FACTORVII	Char	3	Factor VII
28	FAS	Char	4	FASLG Receptor
29	FABP	Char	3	Fatty Acid-Binding Protein,heart
30	FRTN	Char	4	Ferritin
31	FIBRO	Char	3	Fibrinogen
32	GM_CSF	Char	3	Granulocyte-Macrophage Colony-Stimulating Factor
33	HAPTO	Char	4	Haptoglobin
34	HSP_60	Char	3	Heat Shock Protein 60
35	HGF	Char	3	Hepatocyte Growth Factor
36	IGA	Char	4	Immunoglobulin A
37	IGM	Char	5	Immunoglobulin M

Num	Variable	Type	Len	Label
38	ICAM_1	Char	3	Intercellular Adhesion Molecule 1
39	IFN_GAMMA	Char	3	Interferon gamma
40	IP_10	Char	4	Interferon gamma Induced Protein 10
41	IL_1ALPHA	Char	7	Interleukin-1 alpha
42	IL_1BETA	Char	4	Interleukin-1 beta
43	IL_1RA	Char	4	Interleukin-1 receptor antagonist
44	IL_2	Char	4	Interleukin-2
45	IL_2RECEPTOR_ALPHA	Char	4	Interleukin-2 receptor alpha
46	IL_3	Char	7	Interleukin-3
47	IL_4	Char	3	Interleukin-4
48	IL_5	Char	3	Interleukin-5
49	IL_6	Char	4	Interleukin-6
50	IL_6R	Char	3	Interleukin-6 receptor
51	IL_7	Char	3	Interleukin-7
52	IL_8	Char	4	Interleukin-8
53	IL_10	Char	4	Interleukin-10
54	IL_12P40	Char	5	Interleukin-12 Subunit p40
55	IL_12P70	Char	3	Interleukin-12 Subunit p70
56	IL_15	Char	5	Interleukin-15
57	IL_17	Char	4	Interleukin-17
58	IL_18	Char	4	Interleukin-18
59	IL_18BP	Char	3	Interleukin-18-binding protein
60	IL_23	Char	5	Interleukin-23
61	LTF	Char	3	Lactoferrin
62	LAPTGF_B1	Char	4	Latency-Associated Peptide of Transforming Growth Factor beta 1
63	LOX_1	Char	5	Lectin-Like Oxidized LDL Receptor 1
64	MIP_1ALPHA	Char	3	Macrophage Inflammatory Protein-1 alpha
65	MIP_1BETA	Char	3	Macrophage Inflammatory Protein-1 beta
66	MIP_3ALPHA	Char	3	Macrophage Inflammatory Protein-3 alpha
67	MDA_LDL	Char	4	Malondialdehyde-Modified Low-Density Lipoprotein
68	SCFR	Char	3	Mast/stem cell growth factor receptor
69	MMP_2	Char	4	Matrix Metalloproteinase-2
70	MMP_3	Char	3	Matrix Metalloproteinase-3
71	MMP_9	Char	3	Matrix Metalloproteinase-9
72	MICA	Char	3	MHC class I chain-related protein A
73	MICROALBUMIN	Char	5	Microalbumin
74	MIDKINE	Char	4	Midkine
75	MCP_1	Char	3	Monocyte Chemotactic Protein 1
76	MCP_2	Char	4	Monocyte Chemotactic Protein 2

Num	Variable	Type	Len	Label
77	MCP_4	Char	4	Monocyte Chemotactic Protein 4
78	MIG	Char	4	Monokine Induced by Gamma Interferon
79	MPIF_1	Char	4	Myeloid Progenitor Inhibitory Factor 1
80	MYOGLOBIN	Char	3	Myoglobin
81	NTPROBNP	Char	4	N-terminal prohormone of brain natriuretic peptide
82	NGF_BETA	Char	6	Nerve Growth Factor beta
83	NR_CAM	Char	4	Neuronal Cell Adhesion Molecule
84	OPG	Char	3	Osteoprotegerin
85	TATI	Char	3	Pancreatic secretory trypsin inhibitor
86	PAI_1	Char	3	Plasminogen Activator Inhibitor 1
87	PECAM_1	Char	2	Platelet endothelial cell adhesion molecule
88	PROINSULIN__INTACT	Char	4	Proinsulin, Intact
89	PROINSULIN__TOT	Char	3	Proinsulin, Total
90	PARC	Char	3	Pulmonary and Activation-Regulated Chemokine
91	SP_D	Char	3	Pulmonary surfactant-associated protein D
92	RAGE	Char	4	Receptor for advanced glycosylation end products
93	S100_B	Char	5	S100 calcium-binding protein B
94	SORTILIN	Char	3	Sortilin
95	SCF	Char	4	Stem Cell Factor
96	SOD_1	Char	2	Superoxide Dismutase 1, soluble
97	RANTES	Char	4	T-Cell-Specific Protein RANTES
98	TM	Char	3	Thrombomodulin
99	TIMP_1	Char	3	Tissue Inhibitor of Metalloproteinases 1
100	TIMP_2	Char	2	Tissue Inhibitor of Metalloproteinases 2
101	TRAIL_R3	Char	3	TNF-Related Apoptosis-Inducing Ligand Receptor 3
102	TNF_ALPHA	Char	3	Tumor Necrosis Factor alpha
103	TNF_BETA	Char	4	Tumor Necrosis Factor beta
104	TNFR1	Char	4	Tumor Necrosis Factor Receptor 1
105	TNFR2	Char	3	Tumor necrosis factor receptor 2
106	VCAM_1	Char	3	Vascular Cell Adhesion Molecule-1
107	VEGF	Char	4	Vascular Endothelial Growth Factor
108	VDBP	Char	3	Vitamin D-Binding Protein

Data Set Name: rbmp_ser_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	SAMPLETYPE	Char	6	Specimen type
3	REPNUM	Char	6	Replicate number
4	ADIP	Char	3	Adiponectin
5	AACT	Char	4	Alpha-1-Antichymotrypsin
6	AAT	Char	4	Alpha-1-Antitrypsin
7	A2MACRO	Char	3	Alpha-2-Macroglobulin
8	ANG_1	Char	2	Angiopoietin-1
9	ALP	Char	2	Antileukoproteinase (SLPI)
10	APOA_IV	Char	3	Apolipoprotein A-IV
11	AXL	Char	4	AXL Receptor Tyrosine Kinase
12	B2M	Char	4	Beta-2-Microglobulin
13	BDNF	Char	2	Brain-Derived Neurotrophic Factor
14	CRP	Char	4	C-reactive protein
15	E_CAD	Char	4	Cadherin-1
16	T_CAD	Char	3	Cadherin-13
17	CA_9	Char	5	Carbonic anhydrase 9
18	CEACAM1	Char	4	Carcinoembryonic antigen-related cell adhesion molecule 1
19	HCC_4	Char	3	Chemokine CC-4
20	CGA	Char	5	Chromogranin-A
21	C3	Char	4	Complement C3
22	CYSB	Char	3	Cystatin-B
23	DEC	Char	4	Decorin
24	ESELECT	Char	3	E-Selectin
25	EOTAX1	Char	3	Eotaxin-1
26	EOTAX2	Char	4	Eotaxin-2
27	FACTORVII	Char	3	Factor VII
28	FAS	Char	3	FASLG Receptor
29	FABP	Char	3	Fatty Acid-Binding Protein,heart
30	FRTN	Char	4	Ferritin
31	FIBRO	Char	6	Fibrinogen
32	GM_CSF	Char	3	Granulocyte-Macrophage Colony-Stimulating Factor
33	HAPTO	Char	4	Haptoglobin
34	HSP_60	Char	3	Heat Shock Protein 60
35	HGF	Char	3	Hepatocyte Growth Factor
36	IGA	Char	4	Immunoglobulin A
37	IGM	Char	5	Immunoglobulin M

Num	Variable	Type	Len	Label
38	ICAM_1	Char	3	Intercellular Adhesion Molecule 1
39	IFN_GAMMA	Char	4	Interferon gamma
40	IP_10	Char	3	Interferon gamma Induced Protein 10
41	IL_1ALPHA	Char	7	Interleukin-1 alpha
42	IL_1BETA	Char	4	Interleukin-1 beta
43	IL_1RA	Char	4	Interleukin-1 receptor antagonist
44	IL_2	Char	4	Interleukin-2
45	IL_2RECEPTOR_ALPHA	Char	4	Interleukin-2 receptor alpha
46	IL_3	Char	7	Interleukin-3
47	IL_4	Char	3	Interleukin-4
48	IL_5	Char	3	Interleukin-5
49	IL_6	Char	4	Interleukin-6
50	IL_6R	Char	3	Interleukin-6 receptor
51	IL_7	Char	3	Interleukin-7
52	IL_8	Char	3	Interleukin-8
53	IL_10	Char	4	Interleukin-10
54	IL_12P40	Char	5	Interleukin-12 Subunit p40
55	IL_12P70	Char	3	Interleukin-12 Subunit p70
56	IL_15	Char	5	Interleukin-15
57	IL_17	Char	4	Interleukin-17
58	IL_18	Char	4	Interleukin-18
59	IL_18BP	Char	3	Interleukin-18-binding protein
60	IL_23	Char	5	Interleukin-23
61	LTF	Char	3	Lactoferrin
62	LAPTGF_B1	Char	3	Latency-Associated Peptide of Transforming Growth Factor beta 1
63	LOX_1	Char	5	Lectin-Like Oxidized LDL Receptor 1
64	MIP_1ALPHA	Char	3	Macrophage Inflammatory Protein-1 alpha
65	MIP_1BETA	Char	3	Macrophage Inflammatory Protein-1 beta
66	MIP_3ALPHA	Char	3	Macrophage Inflammatory Protein-3 alpha
67	MDA_LDL	Char	4	Malondialdehyde-Modified Low-Density Lipoprotein
68	SCFR	Char	3	Mast/stem cell growth factor receptor
69	MMP_2	Char	3	Matrix Metalloproteinase-2
70	MMP_3	Char	3	Matrix Metalloproteinase-3
71	MMP_9	Char	3	Matrix Metalloproteinase-9
72	MICA	Char	3	MHC class I chain-related protein A
73	MICROALBUMIN	Char	5	Microalbumin
74	MIDKINE	Char	4	Midkine
75	MCP_1	Char	3	Monocyte Chemotactic Protein 1
76	MCP_2	Char	2	Monocyte Chemotactic Protein 2

Num	Variable	Type	Len	Label
77	MCP_4	Char	4	Monocyte Chemotactic Protein 4
78	MIG	Char	4	Monokine Induced by Gamma Interferon
79	MPIF_1	Char	4	Myeloid Progenitor Inhibitory Factor 1
80	MYOGLOBIN	Char	3	Myoglobin
81	NTPROBNP	Char	4	N-terminal prohormone of brain natriuretic peptide
82	NGF_BETA	Char	6	Nerve Growth Factor beta
83	NR_CAM	Char	5	Neuronal Cell Adhesion Molecule
84	OPG	Char	3	Osteoprotegerin
85	TATI	Char	3	Pancreatic secretory trypsin inhibitor
86	PAI_1	Char	3	Plasminogen Activator Inhibitor 1
87	PECAM_1	Char	2	Platelet endothelial cell adhesion molecule
88	PROINSULIN__INTACT	Char	4	Proinsulin, Intact
89	PROINSULIN__TOT	Char	3	Proinsulin, Total
90	PARC	Char	3	Pulmonary and Activation-Regulated Chemokine
91	SP_D	Char	3	Pulmonary surfactant-associated protein D
92	RAGE	Char	4	Receptor for advanced glycosylation end products
93	S100_B	Char	5	S100 calcium-binding protein B
94	SORTILIN	Char	3	Sortilin
95	SCF	Char	4	Stem Cell Factor
96	SOD_1	Char	4	Superoxide Dismutase 1, soluble
97	RANTES	Char	3	T-Cell-Specific Protein RANTES
98	TM	Char	3	Thrombomodulin
99	TIMP_1	Char	3	Tissue Inhibitor of Metalloproteinases 1
100	TIMP_2	Char	2	Tissue Inhibitor of Metalloproteinases 2
101	TRAIL_R3	Char	3	TNF-Related Apoptosis-Inducing Ligand Receptor 3
102	TNF_ALPHA	Char	3	Tumor Necrosis Factor alpha
103	TNF_BETA	Char	4	Tumor Necrosis Factor beta
104	TNFR1	Char	4	Tumor Necrosis Factor Receptor 1
105	TNFR2	Char	3	Tumor necrosis factor receptor 2
106	VCAM_1	Char	3	Vascular Cell Adhesion Molecule-1
107	VEGF	Char	4	Vascular Endothelial Growth Factor
108	VDBP	Char	3	Vitamin D-Binding Protein

Data Set Name: bridge_fuq_nhlbiv1_180716.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	EVENTNAME	Char	30	
3	FORM	Char	10	
4	VISIT	Char	10	
5	FUQ01	Char	1	1) (Do not ask participant) Participant status (choose one):
6	FUQ01C	Char	1	1c) Do you know if (insert decedent's name) was hospitalized or visited an emergency room for any reason since (date of last contact) and his/her death?
7	FUQ02	Char	1	2) Since your last (clinic visit or telephone contact) on (date), have you had a flare-up of your chest trouble?
8	FUQ02A	Num	8	2a) How many episodes of chest trouble flare ups have you had since (date)?
9	FUQ3A	Char	1	3a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
10	FUQ3B	Char	1	3b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
11	FUQ3C	Char	1	3c) Did you take additional antibiotics but without contacting a healthcare provider?
12	FUQ3D	Char	1	3d) Did you take additional oral steroids but without contacting a healthcare provider?
13	FUQ3E	Char	1	3e) Were you evaluated in a physician's office or urgent care?
14	FUQ03E1	Num	8	3e1) An additional antibiotic
15	FUQ03E2	Num	8	3e2) Additional steroids
16	FUQ03E3	Num	8	3e3) Don't know
17	FUQ03E4	Num	8	3e4) Don't remember
18	FUQ03F	Char	1	3f) Were you evaluated in an Emergency Department?
19	FUQ03F1	Num	8	3f1) An additional antibiotic
20	FUQ03F2	Num	8	3f2) Additional steroids
21	FUQ03F3	Num	8	3f3) Don't know
22	FUQ03F4	Num	8	3f4) Don't remember
23	FUQ03G	Char	1	3g) Were you admitted to the hospital?
24	FUQ05	Char	1	5) (do not ask) Did the participant have a second episode?
25	FUQ06A	Char	1	6a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
26	FUQ06B	Char	1	6b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
27	FUQ06C	Char	1	6c) Did you take additional antibiotics but without contacting a healthcare provider?
28	FUQ06D	Char	1	6d) Did you take additional oral steroids but without contacting a healthcare provider?
29	FUQ06E	Char	1	6e) Were you evaluated in a physician's office or urgent care?

Num	Variable	Type	Len	Label
30	FUQ06E1	Num	8	6e1) An additional antibiotic
31	FUQ06E2	Num	8	6e2) Additional steroids
32	FUQ06E3	Num	8	6e3) Don't know
33	FUQ06E4	Num	8	6e4) Don't remember
34	FUQ06F	Char	1	6f) Were you evaluated in an Emergency Department?
35	FUQ06F1	Num	8	6f1) An additional antibiotic
36	FUQ06F2	Num	8	6f2) Additional steroids
37	FUQ06F3	Num	8	6f3) Don't know
38	FUQ06F4	Num	8	6f4) Don't remember
39	FUQ06G	Char	1	6g) Were you admitted to the hospital?
40	FUQ08	Char	1	8) (do not ask) Did the participant have a third episode?
41	FUQ09A	Char	1	9a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
42	FUQ09B	Char	1	9b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
43	FUQ09C	Char	1	9c) Did you take additional antibiotics but without contacting a healthcare provider?
44	FUQ09D	Char	1	9d) Did you take additional oral steroids but without contacting a healthcare provider?
45	FUQ09E	Char	1	9e) Were you evaluated in a physician's office or urgent care?
46	FUQ09E1	Num	8	9e1) An additional antibiotic
47	FUQ09E2	Num	8	9e2) Additional steroids
48	FUQ09E3	Num	8	9e3) Don't know
49	FUQ09E4	Num	8	9e4) Don't remember
50	FUQ09F	Char	1	9f) Were you evaluated in an Emergency Department?
51	FUQ09F1	Num	8	9f1) An additional antibiotic
52	FUQ09F2	Num	8	9f2) Additional steroids
53	FUQ09F3	Num	8	9f3) Don't know
54	FUQ09F4	Num	8	9f4) Don't remember
55	FUQ09G	Char	1	9g) Were you admitted to the hospital?
56	FUQ11	Char	1	11) (do not ask) Did the participant have a fourth episode?
57	FUQ12A	Char	1	12a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
58	FUQ12B	Char	1	12b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
59	FUQ12C	Char	1	12c) Did you take additional antibiotics but without contacting a healthcare provider?
60	FUQ12D	Char	1	12d) Did you take additional oral steroids but without contacting a healthcare provider?
61	FUQ12E	Char	1	12e) Were you evaluated in a physician's office or urgent care?
62	FUQ12E1	Num	8	12e1) An additional antibiotic

Num	Variable	Type	Len	Label
63	FUQ12E2	Num	8	12e2) Additional steroids
64	FUQ12E3	Num	8	12e3) Don't know
65	FUQ12E4	Num	8	12e4) Don't remember
66	FUQ12F	Char	1	12f) Were you evaluated in an Emergency Department?
67	FUQ12F1	Num	8	12f1) An additional antibiotic
68	FUQ12F2	Num	8	12f2) Additional steroids
69	FUQ12F3	Num	8	12f3) Don't know
70	FUQ12F4	Num	8	12f4) Don't remember
71	FUQ12G	Char	1	12g) Were you admitted to the hospital?
72	FUQ14	Char	1	14) (do not ask) Did the participant have a fifth episode?
73	FUQ15A	Char	1	15a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
74	FUQ15B	Char	1	15b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
75	FUQ15C	Char	1	15c) Did you take additional antibiotics but without contacting a healthcare provider?
76	FUQ15D	Char	1	15d) Did you take additional oral steroids but without contacting a healthcare provider?
77	FUQ15E	Char	1	15e) Were you evaluated in a physician's office or urgent care?
78	FUQ15E1	Num	8	15e1) An additional antibiotic
79	FUQ15E2	Num	8	15e2) Additional steroids
80	FUQ15E3	Num	8	15e3) Don't know
81	FUQ15E4	Num	8	15e4) Don't remember
82	FUQ15F	Char	1	15f) Were you evaluated in an Emergency Department?
83	FUQ15F1	Num	8	15f1) An additional antibiotic
84	FUQ15F2	Num	8	15f2) Additional steroids
85	FUQ15F3	Num	8	15f3) Don't know
86	FUQ15F4	Num	8	15f4) Don't remember
87	FUQ15G	Char	1	15g) Were you admitted to the hospital?
88	FUQ17	Char	1	17) (do not ask) Did the participant have a sixth episode?
89	FUQ18A	Char	1	18a) Did you take additional antibiotics after contacting your healthcare provider by telephone or email?
90	FUQ18B	Char	1	18b) Did you take additional oral steroids after contacting your healthcare provider by telephone or email?
91	FUQ18C	Char	1	18c) Did you take additional antibiotics but without contacting a healthcare provider?
92	FUQ18D	Char	1	18d) Did you take additional oral steroids but without contacting a healthcare provider?
93	FUQ18E	Char	1	18e) Were you evaluated in a physician's office or urgent care?
94	FUQ18E1	Num	8	18e1) An additional antibiotic
95	FUQ18E2	Num	8	18e2) Additional steroids

Num	Variable	Type	Len	Label
96	FUQ18E3	Num	8	18e3) Don't know
97	FUQ18E4	Num	8	18e4) Don't remember
98	FUQ18F	Char	1	18f) Were you evaluated in an Emergency Department?
99	FUQ18F1	Num	8	18f1) An additional antibiotic
100	FUQ18F2	Num	8	18f2) Additional steroids
101	FUQ18F3	Num	8	18f3) Don't know
102	FUQ18F4	Num	8	18f4) Don't remember
103	FUQ18G	Char	1	18g) Were you admitted to the hospital?
104	FUQ20	Char	1	Since your last (center visit or telephone contact) on (date), have you at any time been admitted to a hospital (For COPD Participants: for any reason other than a chest flare up)?
105	FUQ20A	Num	8	20a) How many hospitalizations have you had since (date)?
106	FUQ21E	Char	1	21e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
107	FUQ22E	Char	1	22e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
108	FUQ23E	Char	1	23e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
109	FUQ24E	Char	1	24e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
110	FUQ25E	Char	1	25e) Were you admitted to a hospital any other time since your last (center visit or telephone contact)?
111	FUQ27	Char	1	27) Did your doctor put you on oxygen?
112	FUQ28	Char	1	28) Have you been listed for or received a lung transplant?
113	FUQ29	Char	1	29) Are you currently smoking cigarettes?
114	FUQ30	Char	1	30) Since your last (clinic visit or telephone contact) on (date), have you been diagnosed with other medical problems or been injured?
115	FUQ31A	Char	1	31a) Lung cancer
116	FUQ31B	Char	1	31b) Other type of cancer
117	FUQ31B1	Char	20	If so, what type?
118	FUQ31C	Char	1	31c) Diabetes
119	FUQ31D	Char	1	31d) Blood Clots
120	FUQ31E	Char	1	31e) Osteoporosis
121	FUQ31F	Char	1	31f) Broken Hip
122	FUQ31G	Char	1	31g) Heart attack or myocardial infarction
123	FUQ31H	Char	1	31h) Stroke
124	FUQ31I	Char	1	31i) Coronary artery disease (atherosclerosis)
125	FUQ01AY	Num	8	Year of 1a) What was the date of death?
126	FUQ04AY	Num	8	Year of 4a) What was the date of this event?
127	FUQ07AY	Num	8	Year of 7a) What was the date of this event?
128	FUQ0AY	Num	8	Year of Form Date

Num	Variable	Type	Len	Label
129	FUQ10AY	Num	8	Year of 10a) What was the date of this event?
130	FUQ13AY	Num	8	Year of 13a) What was the date of this event?
131	FUQ21AY	Num	8	Year of 21a) What was the date of this event?
132	FUQ22AY	Num	8	Year of 22a) What was the date of this event?
133	FUQ23AY	Num	8	Year of 23a) What was the date of this event?
134	FUQ24AY	Num	8	Year of 24a) What was the date of this event?
135	FUQ25AY	Num	8	Year of 25a) What was the date of this event?
136	FUQ26AY	Num	8	Year of 26a) What was the date of this event?
137	VERSION	Char	21	
138	BMI_AUX_CM01	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) at baseline
139	HT_CM01	Num	8	Height (cm) (ANT02) at baseline
140	WT_KG01	Num	8	Weight (kg) (ANT03) at baseline
141	BMI_AUX_CM02	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year1)
142	HT_CM02	Num	8	Height (cm) (ANT02) (for visit=Year1)
143	WT_KG02	Num	8	Weight (kg) (ANT03) (for visit=Year1)
144	BMI_AUX_CM03	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year2)
145	HT_CM03	Num	8	Height (cm) (ANT02) (for visit=Year2)
146	WT_KG03	Num	8	Weight (kg) (ANT03) (for visit=Year2)
147	BMI_AUX_CM04	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) (for visit=Year3)
148	HT_CM04	Num	8	Height (cm) (ANT02) (for visit=Year3)
149	WT_KG04	Num	8	Weight (kg) (ANT03) (for visit=Year3)
150	BMI_AUX_IN01	Num	8	BMI (computed by SC from imperial units) (from IEC05a,b at BASELINE)
151	GENDER	Num	8	Gender (1=Male,2=Female) (IEC04)
152	HT_IN01	Num	8	Height (in) (IEC05a)
153	AGE01	Num	8	Age at Baseline (years) (DEM01a)
154	ETHNICITY	Num	8	Ethnicity (1=Hispanic,0=Non-hispanic) (DEM05 or DEM05a)
155	RACE	Num	8	Race (1=White,2=Black,3=Asian,4=Amer.Ind./Pacif.Isl.,6=Mixed,7=Missing)(from DEM06a-e)
156	AGE_DERV_01	Num	8	Age in years at baseline based on date of birth and date of enrollment
157	AGE_DERV_02	Num	8	Age in years at year 1 visit based on date of birth and date of visit
158	AGE_DERV_03	Num	8	Age in years at year 2 visit based on date of birth and date of visit
159	AGE_DERV_04	Num	8	Age in years at year 3 visit based on date of birth and date of visit
160	AGECAT_BY05	Num	8	Age at Baseline in 5 year groupings (1=40-<45, 2=45-<50, 3=50-<55,4=55-<60, 5=60-<65,6=65-<70, 7=70-<75, 8=75,<80)

Num	Variable	Type	Len	Label
161	AGECAT_BY10	Num	8	Age at Baseline in 10 year groupings (1=40-<50, 2=50-<60, 3=60-<70, 4=70-<80)
162	AGE02	Num	8	Age at Year 1 (years)
163	AGE03	Num	8	Age at Year 2 (years)
164	AGE04	Num	8	Age at Year 3 (years)
165	PRED_FEV1_V1	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at baseline
166	PRED_FEV1_V2	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 1
167	PRED_FEV1_V3	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 2
168	PRED_FEV1_V4	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at year 3
169	PRED_FVC_V1	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at baseline
170	PRED_FVC_V2	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 1
171	PRED_FVC_V3	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 2
172	PRED_FVC_V4	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at year 3
173	PRED_FEF2575_V1	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at baseline
174	PRED_FEF2575_V2	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 1
175	PRED_FEF2575_V3	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 2
176	PRED_FEF2575_V4	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 3
177	PRED_PEFR_V1	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at baseline
178	PRED_PEFR_V2	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 1
179	PRED_PEFR_V3	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 2
180	PRED_PEFR_V4	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at year 3
181	PRED_FEV1FVC_V1	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at baseline
182	PRED_FEV1FVC_V2	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 1
183	PRED_FEV1FVC_V3	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 2
184	PRED_FEV1FVC_V4	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at year 3

Num	Variable	Type	Len	Label
185	PCT_PRE_FEV1_V1	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V1)) at baseline
186	PCT_PRE_FEV1_V2	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V2)) at year 1
187	PCT_PRE_FEV1_V3	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V3)) at year 2
188	PCT_PRE_FEV1_V4	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V4)) at year 3
189	PCT_PRE_FVC_V1	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V1)) at baseline
190	PCT_PRE_FVC_V2	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V2)) at year 1
191	PCT_PRE_FVC_V3	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V3)) at year 2
192	PCT_PRE_FVC_V4	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V4)) at year 3
193	PCT_PRE_FEV1FVC_V1	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V1)) at baseline
194	PCT_PRE_FEV1FVC_V2	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V2)) at year 1
195	PCT_PRE_FEV1FVC_V3	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V3)) at year 2
196	PCT_PRE_FEV1FVC_V4	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V4)) at year 3
197	PCT_PRE_PEFR_V1	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V1)) at baseline
198	PCT_PRE_PEFR_V2	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V2)) at year 1
199	PCT_PRE_PEFR_V3	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V3)) at year 2
200	PCT_PRE_PEFR_V4	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V4)) at year 3
201	PCT_PRE_SVC_V1	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V1)) at baseline
202	PCT_PRE_SVC_V2	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V2)) at year 1
203	PCT_PRE_SVC_V3	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V3)) at year 2
204	PCT_PRE_SVC_V4	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V4)) at year 3
205	PCT_PRE_FEF2575_V1	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V1)) at baseline

Num	Variable	Type	Len	Label
206	PCT_PRE_FEF2575_V2	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V2)) at year 1
207	PCT_PRE_FEF2575_V3	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V3)) at year 2
208	PCT_PRE_FEF2575_V4	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V4)) at year 3
209	PCT_POST_FEV1_V1	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V1)) at baseline
210	PCT_POST_FEV1_V2	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V2)) at year 1
211	PCT_POST_FEV1_V3	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V3)) at year 2
212	PCT_POST_FEV1_V4	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V4)) at year 3
213	PCT_POST_FVC_V1	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V1)) at baseline
214	PCT_POST_FVC_V2	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V2)) at year 1
215	PCT_POST_FVC_V3	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V3)) at year 2
216	PCT_POST_FVC_V4	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V4)) at year 3
217	PCT_POST_FEV1FVC_V1	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V1)) at baseline
218	PCT_POST_FEV1FVC_V2	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V2)) at year 1
219	PCT_POST_FEV1FVC_V3	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V3)) at year 2
220	PCT_POST_FEV1FVC_V4	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V4)) at year 3
221	PCT_POST_PEFR_V1	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V1)) at baseline
222	PCT_POST_PEFR_V2	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V2)) at year 1
223	PCT_POST_PEFR_V3	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V3)) at year 2
224	PCT_POST_PEFR_V4	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V4)) at year 3
225	PCT_POST_SVC_V1	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V1)) at baseline
226	PCT_POST_SVC_V2	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V2)) at year 1

Num	Variable	Type	Len	Label
227	PCT_POST_SVC_V3	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V3)) at year 2
228	PCT_POST_SVC_V4	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V4)) at year 3
229	PCT_POST_FEF2575_V1	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V1)) at baseline
230	PCT_POST_FEF2575_V2	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V2)) at year 1
231	PCT_POST_FEF2575_V3	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V3)) at year 2
232	PCT_POST_FEF2575_V4	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V4)) at year 3
233	LLN_FEV1_FVC_V1	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at baseline
234	LLN_FEV1_FVC_V2	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 1
235	LLN_FEV1_FVC_V3	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 2
236	LLN_FEV1_FVC_V4	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at year 3
237	LLN_FEV1_V1	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at baseline
238	LLN_FEV1_V2	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 1
239	LLN_FEV1_V3	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 2
240	LLN_FEV1_V4	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at year 3
241	LLN_FVC_V1	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at baseline
242	LLN_FVC_V2	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 1
243	LLN_FVC_V3	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 2
244	LLN_FVC_V4	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at year 3
245	LLN_FEF2575_V1	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at baseline
246	LLN_FEF2575_V2	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 1
247	LLN_FEF2575_V3	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 2
248	LLN_FEF2575_V4	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at year 3

Num	Variable	Type	Len	Label
249	PRED_FEV1	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height)
250	GOLD_STAGE_COPD_SEVERITY	Num	8	GOLD Stage of COPD Severity at baseline
251	STRATUM	Num	8	
252	WITHDRAWN	Num	8	Withdrawn (1=Yes,0=No) (from RSW01 and RSW02)
253	SIX_MINUTE_WALK_DISTANCE01	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at BASELINE)
254	BODE_INDEX01	Num	8	BODE Index at BASELINE
255	SIX_MINUTE_WALK_DISTANCE02	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR1)
256	BODE_INDEX02	Num	8	BODE Index at YEAR1
257	SIX_MINUTE_WALK_DISTANCE03	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR2)
258	BODE_INDEX03	Num	8	BODE Index at YEAR2
259	SIX_MINUTE_WALK_DISTANCE04	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at YEAR3)
260	BODE_INDEX04	Num	8	BODE Index at YEAR3
261	BRONCH_ELIGIBLE	Num	8	Eligible for bronchoscopy substudy (1=Yes,0=No)
262	BRONCH_AGE01	Num	8	Age when screened for bronchoscopy substudy (BIE3)
263	PEX_TOT0101	Num	8	Total Exacerbations for baseline
264	PEX_HCUTOT0101	Num	8	Exacerbations requiring HCU for baseline
265	PEX_ANTITOT0101	Num	8	Exacerbations treated with antibiotics for baseline
266	PEX_STEROIDTOT0101	Num	8	Exacerbations treated with steroids for baseline
267	PEX_DRUGTOT0101	Num	8	Exacerbations treated with medications for baseline
268	PEX_SEVERETOT0101	Num	8	Exacerbations requiring ED visit or hospitalization for baseline
269	COPDSCORE0101	Num	8	COPD Assessment Test Score at visit 1
270	COPDSCORE0102	Num	8	COPD Assessment Test Score at visit 2
271	COPDSCORE0103	Num	8	COPD Assessment Test Score at visit 3
272	COPDSCORE0104	Num	8	COPD Assessment Test Score at visit 4
273	GOLD_MMRC0101	Char	1	Baseline GOLD status using the revised criteria and mMRC at baseline
274	GOLD_CAT0101	Char	1	Baseline GOLD status using the revised criteria and CAT at baseline
275	CB_VISIT1	Num	8	Chronic Bronchitis identified at baseline
276	ASTHMA_BASELINE	Num	8	Baseline Asthma
277	ASTHMA_EVER_REPORTED	Num	8	Ever Reported Asthma
278	EMPHYSEMA_VISIT1	Num	8	Possible emphysema at visit 1
279	PEX_TOT0102	Num	8	Total Exacerbations at year 1
280	PEX_SEVERETOT0102	Num	8	Total severe exacerbations at year 1
281	PEX_ANTITOT0102	Num	8	Total exacerbations treated with antibiotics at year 1
282	PEX_STEROIDTOT0102	Num	8	Total exacerbations treated with steroids at year 1
283	PEX_DRUGTOT0102	Num	8	Total exacerbations treated with medications at year 1
284	PEX_HCUTOT0102	Num	8	Total exacerbations requiring HCU at year 1
285	PEX_TOT0103	Num	8	Total Exacerbations at Year 2

Num	Variable	Type	Len	Label
286	PEX_SEVERETOT0103	Num	8	Total severe exacerbations at Year 2
287	PEX_ANTITOT0103	Num	8	Total exacerbations treated with antibiotics at Year 2
288	PEX_STEROIDTOT0103	Num	8	Total exacerbations treated with steroids at Year 2
289	PEX_DRUGTOT0103	Num	8	Total exacerbations treated with medications at Year 2
290	PEX_HCUTOT0103	Num	8	Total exacerbations requiring HCU at Year 2
291	PEX_TOT0104	Num	8	Total Exacerbations at Year 3
292	PEX_SEVERETOT0104	Num	8	Total severe exacerbations at Year 3
293	PEX_ANTITOT0104	Num	8	Total exacerbations treated with antibiotics at Year 3
294	PEX_STEROIDTOT0104	Num	8	Total exacerbations treated with steroids at Year 3
295	PEX_DRUGTOT0104	Num	8	Total exacerbations treated with medications at Year 3
296	PEX_HCUTOT0104	Num	8	Total exacerbations requiring HCU at Year 3
297	PEX_TOT	Num	8	Total count of exacerbations since entering the study
298	PEX_SEVERE	Num	8	Total count of exacerbations requiring ED visit or hospitalization since entering the study
299	PEX_ANTI	Num	8	total count of exacerbations treated with antibiotics since entering the study
300	PEX_STEROID	Num	8	total count of exacerbations treated with steroids since entering the study
301	PEX_DRUG	Num	8	total count of exacerbations treated with medications since entering the study
302	PEX_HCU	Num	8	total count of exacerbations requiring HCU since entering the study
303	DEATH	Num	8	indicator of deceased subject
304	DAYINSTUDY_DEATH	Num	8	Days in study till deceased
305	CURRENT_SMOKER_BRONCH	Num	8	
306	FOLLOWUP_DAYS	Num	8	Length of follow-up instudy including only main study contacts
307	EYES_ENT_CONDITION01	Num	8	History of Eyes, Ear, Nose, or Throat condition at baseline
308	CARDIOVASCULAR_CONDITION01	Num	8	History of Cardiovascular condition at baseline
309	GI_CONDITION01	Num	8	History of Gastrointestinal condition at baseline
310	PULMONARY_VASCULAR_CONDITION01	Num	8	History of Pulmonary/vascular condition at baseline
311	ONCOLOGY_HEMA_CONDITION01	Num	8	History of Oncology/hematology condition at baseline
312	GENITOURINARY_CONDITION01	Num	8	History of Genitourinary and Reproductive condition at baseline
313	ENDOCRINE_CONDITION01	Num	8	History of Endocrine condition at baseline
314	MUSCULAR_SKELETAL_CONDITION01	Num	8	History of Muscular/skeletal condition at baseline
315	DERMATOLOGY_CONDITION01	Num	8	History of Dermatology condition at baseline
316	INFECTIOUS_DISEASE_CONDITION01	Num	8	History of Infectious disease condition at baseline
317	PSYCHIATRIC_CONDITION01	Num	8	History of Psychiatric condition at baseline
318	CB_FATHER01	Num	8	Father has a reported history of chronic bronchitis at baseline (1=Yes, 2=No, Unknowns treated as missing)
319	CB_MOTHER01	Num	8	Mother has a reported history of chronic bronchitis
320	EMPHYSEMA_FATHER01	Num	8	Father has a reported history of Emphysema

Num	Variable	Type	Len	Label
321	EMPHYSEMA_MOTHER01	Num	8	Mother has a reported history of Emphysema
322	COPD_FATHER01	Num	8	Father has a reported history of COPD
323	COPD_MOTHER01	Num	8	Mother has a reported history of COPD
324	ASTHMA_FATHER01	Num	8	Father has a reported history of Asthma
325	ASTHMA_MOTHER01	Num	8	Mother has a reported history of Asthma
326	LUNGCA_FATHER01	Num	8	Father has a reported history of Lung Cancer
327	LUNGCA_MOTHER01	Num	8	Mother has a reported history of Lung Cancer
328	CB_DIAGNOSED01	Num	8	Chronic bronchitis diagnosed by a health professional reported at baseline (Yes=1, No=0, Unknowns treated as missing)
329	EMPHYSEMA_DIAGNOSED01	Num	8	Emphysema diagnosed by a health professional reported at baseline
330	COPD_DIAGNOSED01	Num	8	COPD diagnosed by a health professional reported at baseline
331	APNEA_DIAGNOSED01	Num	8	Sleep apnea diagnosed by a health professional reported at baseline
332	MCQ_TOT01	Num	8	Total MCQ score at baseline
333	VSASCORE01	Num	8	Baseline veteran specific activity score
334	FEV1_BDRESPONSE_HANKINSON01	Num	8	FEV1 Bronchodilator response, percent Hankinson 1999
335	FEV1_BDRESPONSE_PELLERGINO01	Num	8	FEV1 Bronchodilator response, volume (L) Pellergino 2005 (1=True, 0=False)
336	SMOKER_ECO_RECENT01	Num	8	recent smoking identified on eCO measurement at baseline
337	COPD_FOUNDATION_RANKING01	Char	3	COPD Foundation disease ranking
338	SMW_DSAT01	Num	8	Oxygen desaturation with the six minute walk
339	SMW_HYPOX01	Num	8	Hypoxemia with six minute walk
340	FAST_SCORE01	Num	8	FAST Alcohol Screening Score (derived from BMH25 - 28) (NOTE: Did not differentiate between males and females, Used >8 drinks for first screening question)
341	PREFEV1_LT_LLN01	Num	8	pre-bronchodilator FEV1 less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
342	PREFVC_LT_LLN01	Num	8	pre-bronchodilator FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
343	PREFEV1FVC_LT_LLN01	Num	8	pre-bronchodilator FEV1/FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
344	FVC_BDRESPONSE_PCT01	Num	8	FVC Bronchodilator response, percent baseline at Baseline
345	FVC_BDRESPONSE_VOL01	Num	8	FVC Bronchodilator response, volume (ml) at Baseline
346	FVC_BDRESPONSE_HANKINSON01	Num	8	FVC Bronchodilator response, percent Hankinson 1999 at Baseline
347	FVC_BDRESPONSE_PELLERGINO01	Num	8	FVC Bronchodilator response, volume (L) Pellergino 2005 at Baseline (1=True, 0=False)
348	POSTFEV1_LT_LLN01	Num	8	post-bronchodilator FEV1 less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
349	POSTFVC_LT_LLN01	Num	8	post-bronchodilator FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
350	POSTFEV1FVC_LT_LLN01	Num	8	post-bronchodilator FEV1/FVC less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
351	POSTFEV1FVC_LT_70_01	Num	8	post_bronchodilator FEV1/FVC ratio less than 0.7 at Baseline (1=True, 0=False)

Num	Variable	Type	Len	Label
352	PREFEF2575_LT_LLN01	Num	8	pre-bronchodilator FEF25-75% less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
353	POSTFEF2575_LT_LLN01	Num	8	post-bronchodilator FEF25-75% less than LLN defined by Hankinson 1999 at Baseline (1=True, 0=False)
354	CURRENT_SMOKER_V1	Num	8	current smoking status at baseline
355	CURRENT_SMOKER_V2	Num	8	current smoking status at Year 1
356	CURRENT_SMOKER_V3	Num	8	current smoking status at Year 2
357	CURRENT_SMOKER_V4	Num	8	current smoking status at Year 3
358	BRONCH_DIAGNOSED01	Num	8	Attack of bronchitis diagnosed by a health professional reported at baseline (Yes=1; No=0; Unknowns treated as missing)
359	MENOPAUSE01	Char	8	Participant has reached menopause
360	SPUTUM_COLLECTED01	Num	8	Sputum sample collected at baseline
361	SPUTUM_METHOD01	Num	8	Method of specimen processing used for sputum collection at baseline
362	CBC_NEUTROPHIL_CNT01	Num	8	CBC Neutrophil CNT at baseline
363	CBC_NEUTROPHIL_PCT01	Num	8	CBC Neutrophil PCT at baseline
364	CBC_LYMPHOCYTE_CNT01	Num	8	CBC lymphocyte CNT at baseline
365	CBC_LYMPHOCYTE_PCT01	Num	8	CBC lymphocyte PCT at baseline
366	CBC_MONOCYTE_CNT01	Num	8	CBC monocyte CNT at baseline
367	CBC_MONOCYTE_PCT01	Num	8	CBC monocyte PCT at baseline
368	CBC_EOSINOPHIL_CNT01	Num	8	CBC eosinophil CNT at baseline
369	CBC_EOSINOPHIL_PCT01	Num	8	CBC eosinophil PCT at baseline
370	CBC_BASOPHIL_CNT01	Num	8	CBC basophil CNT at baseline
371	CBC_BASOPHIL_PCT01	Num	8	CBC basophil PCT at baseline
372	VGDF_EVER01	Num	8	Ever exposed to vapors, gas, dust, or fumes at baseline
373	VGDF_YEARS01	Num	8	Years exposed to vapors, gas, dust or fumes at baselined
374	LONGESTJOBDURATION01	Num	8	Duration in years of longest job ever worked at baseline
375	VGDF_LONGESTJOB01	Num	8	Exposed to vapors, gas, dust, or fumes during longest job
376	SMOKING_PACK_YEARS01	Num	8	Smoking pack-years at Baseline
377	SMOKING_PACK_YEARS02	Num	8	Smoking pack-years at Year 1
378	SMOKING_PACK_YEARS03	Num	8	Smoking pack-years at Year 2
379	SMOKING_PACK_YEARS04	Num	8	Smoking pack-years at Year 3
380	PEX_TOT_365	Num	8	total count of exacerbations in 365 days since entering the study
381	PEX_SEVERE_365	Num	8	total count of exacerbations requiring ED visit or hospitalization in 365 days since entering the study
382	PEX_ANTI_365	Num	8	total count of exacerbations treated with antibiotics in 365 days since entering the study
383	PEX_STEROID_365	Num	8	total count of exacerbations treated with steroids in 365 days since entering the study
384	PEX_DRUG_365	Num	8	total count of exacerbations treated with medications in 365 days since entering the study

Num	Variable	Type	Len	Label
385	PEX_HCU_365	Num	8	total count of exacerbations requiring HCU in 365 days since entering the study
386	FOLLOWUP_DEATH_DAYS	Num	8	Days in study. If deceased, then it is the days in study until death
387	V1_LAC_R_APEX_BASE_SLP_910DIF	Num	8	lac_r_apex_base_slp_910dif
388	V1_LAC_R_APEX_BASE_SLP_950DIF	Num	8	lac_r_apex_base_slp_950dif
389	V1_LAC_L_APEX_BASE_SLP_910DIF	Num	8	lac_l_apex_base_slp_910dif
390	V1_LAC_L_APEX_BASE_SLP_950DIF	Num	8	lac_l_apex_base_slp_950dif
391	V2_LAC_R_APEX_BASE_SLP_910DIF	Num	8	lac_r_apex_base_slp_910dif
392	V2_LAC_R_APEX_BASE_SLP_950DIF	Num	8	lac_r_apex_base_slp_950dif
393	V2_LAC_L_APEX_BASE_SLP_910DIF	Num	8	lac_l_apex_base_slp_910dif
394	V2_LAC_L_APEX_BASE_SLP_950DIF	Num	8	lac_l_apex_base_slp_950dif
395	V1_R_APEX_BASE_PCTBE910_RATIO	Num	8	r_apex_base_pctbe910_ratio
396	V1_R_APEX_BASE_PCTBE950_RATIO	Num	8	r_apex_base_pctbe950_ratio
397	V1_L_APEX_BASE_PCTBE910_RATIO	Num	8	l_apex_base_pctbe910_ratio
398	V1_L_APEX_BASE_PCTBE950_RATIO	Num	8	l_apex_base_pctbe950_ratio
399	V2_R_APEX_BASE_PCTBE910_RATIO	Num	8	r_apex_base_pctbe910_ratio
400	V2_R_APEX_BASE_PCTBE950_RATIO	Num	8	r_apex_base_pctbe950_ratio
401	V2_L_APEX_BASE_PCTBE910_RATIO	Num	8	l_apex_base_pctbe910_ratio
402	V2_L_APEX_BASE_PCTBE950_RATIO	Num	8	l_apex_base_pctbe950_ratio
403	V1_RB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB1+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
404	V1_RB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB10+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
405	V1_LB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB1+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
406	V1_LB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB10+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
407	V2_RB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB1+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
408	V2_RB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB10+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
409	V2_LB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB1+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
410	V2_LB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB10+1 segment average for visit 2 (NOTE: If only one segment available, that measurement is used in lieu of an average)
411	V1_PI10_PATH_LEQ20_THICKEST	Num	8	Pi10_path_leq20_thickest
412	V1_PI10_PATH_LEQ20_AVG	Num	8	Pi10_path_leq20_avg

Num	Variable	Type	Len	Label
413	V2_PI10_PATH_LEQ20_THICKEST	Num	8	Pi10_path_leq20_thickest
414	V2_PI10_PATH_LEQ20_AVG	Num	8	Pi10_path_leq20_avg
415	BASELINE_ASTHMA_CHILD	Num	8	History of childhood asthma diagnosed by a physician reported at baseline
416	BASELINE_ASTHMA_DX	Num	8	History of asthma diagnosed by a physician reported at baseline
417	EMPH950_HIGH01	Num	8	Emphysema > ULN (defined by reference equation) at baseline
418	LOG950_VIDA01	Num	8	Log transformed uncorrected percent emphysema 950(VIDA) at baseline
419	EMPH_ULN01	Num	8	Upper limit of normal (defined by reference equation) at baseline
420	TOTALVOL_ULN_V1	Num	8	Upper limit of normal for total lung volume based on race, age, gender, height, and BMI at baseline
421	TOTALVOLUME_YES_V1	Num	8	indicator of total volume based total volum (BOTH_TOT_V) and totalvol_ULN at baseline
422	EMPH950_HIGH02	Num	8	Emphysema > ULN (defined by reference equation) at year1
423	LOG950_VIDA02	Num	8	Log transformed uncorrected percent emphysema 950(VIDA) at year1
424	EMPH_ULN02	Num	8	Upper limit of normal (defined by reference equation) at year1
425	TOTALVOL_ULN_V2	Num	8	Upper limit of normal for total lung volume based on race, age, gender, height, and BMI at year1
426	TOTALVOLUME_YES_V2	Num	8	indicator of total volume based total volum (BOTH_TOT_V) and totalvol_ULN at year1
427	DAYS_ENROLL_1STPEXREPORTDATE	Num	8	Number of days from the date of enrollment to form date the first any exacerbation - corrected 7/27/2018
428	DAYS_ENROLL_1STHOSPEX	Num	8	Number of days from the date of enrollment to the first exacerbation requiring hospitalization(.N for no hospitalized episode reported, .M hospitalized episode reported but date is missing) - corrected 7/27/2018
429	PEX_HOS_IND	Num	8	Total count of independent exacerbations requiring hospitalization since entering the study
430	PEX_HOS_LINKED	Num	8	Total count of linked exacerbations requiring hospitalization since entering the study
431	PEX_HOS_TOT	Num	8	Sum of PEX_HOS_IND and PEX_HOS_LINKED
432	SXSMKR2_FVC_CORE3_V1	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
433	SXSMKR2_FVC_CORE3_V2	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
434	SXSMKR2_FVC_CORE3_V3	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5

Num	Variable	Type	Len	Label
435	SXSMKR2_FVC_CORE3_V4	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
436	CB_SGRQ01	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Baseline
437	CB_SGRQ02	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 1
438	CB_SGRQ03	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 2
439	CB_SGRQ04	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Year 3
440	PEX_HCUDRUG0101	Num	8	History of HCU exacerbation treated with antibiotics or steroids at baseline
441	PEX_HCUDRUG	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids since entering the study
442	PEX_HCUDRUG_365	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids in the 365 days since entering the study (a,b,e1,e2, f1,f2)
443	PEX_HCUDRUG_730	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 366 and 730 days since entering the study (a,b,e1,e2, f1,f2)
444	PEX_HCUDRUG_1095	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 731 and 1095 days since entering the study (a,b,e1,e2, f1,f2)
445	PEX_HCUDRUG_1460	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 1096 and 1460 days since entering the study (a,b,e1,e2, f1,f2)
446	PEX_HCUDRUG_1825	Num	8	Total number of HCU exacerbation treated with antibiotics or steroids between 1461 and 1825 days since entering the study (a,b,e1,e2, f1,f2)
447	PEX_HCUDRUG_CAT_365	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 365 days
448	PEX_HCUDRUG_CAT_730	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 730 days
449	PEX_HCUDRUG_CAT_1095	Num	8	Category of none, 1, or 2 or more HCU exacerbation treated with antibiotics or steroids in the first 1095 days
450	APNEA_DIAGNOSED02	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
451	BRONCH_DIAGNOSED02	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
452	CB_DIAGNOSED02	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
453	COPD_DIAGNOSED02	Num	8	COPD Diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
454	EMPHYSEMA_DIAGNOSED02	Num	8	Emphysema diagnosed by a health professional reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
455	CB_VISIT02	Num	8	Chronic bronchitis identified at Visit 2 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
456	APNEA_DIAGNOSED03	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
457	BRONCH_DIAGNOSED03	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
458	CB_DIAGNOSED03	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
459	COPD_DIAGNOSED03	Num	8	COPD Diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
460	EMPHYSEMA_DIAGNOSED03	Num	8	Emphysema diagnosed by a health professional reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
461	CB_VISIT03	Num	8	Chronic bronchitis identified at Visit 3 (1=Yes, 0=No, 2=Unknown)
462	APNEA_DIAGNOSED04	Num	8	Sleep apnea diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
463	BRONCH_DIAGNOSED04	Num	8	Attack of bronchitis diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
464	CB_DIAGNOSED04	Num	8	Chronic bronchitis diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
465	COPD_DIAGNOSED04	Num	8	COPD Diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
466	EMPHYSEMA_DIAGNOSED04	Num	8	Emphysema diagnosed by a health professional reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
467	CB_VISIT04	Num	8	Chronic bronchitis identified at Visit 4 (1=Yes, 0=No, 2=Unknown)
468	CARDIOVASCULAR_CONDITION02	Num	8	Cardiovascular condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
469	DERMATOLOGY_CONDITION02	Num	8	Dermatological condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
470	ENDOCRINE_CONDITION02	Num	8	Endocrine condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
471	EYES_ENT_CONDITION02	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
472	GENITOURINARY_CONDITION02	Num	8	Genitourinary and Reproductive condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
473	GI_CONDITION02	Num	8	Gastrointestinal condition at Visit 2 (1=Yes, 0=No, 2=Unknown)
474	INFECTIOUS_DISEASE_CONDITION02	Num	8	Infectious disease condition at Visit 2 (1=Yes, 0=No, 2=Unknown)
475	MUSCULAR_SKELETAL_CONDITION02	Num	8	Muscular/skeletal condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
476	ONCOLOGY_HEMA_CONDITION02	Num	8	Oncology/hematology condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
477	PSYCHIATRIC_CONDITION02	Num	8	Psychiatric condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
478	PULMONARY_VASCULAR_CONDITION02	Num	8	Pulmonary/vascular condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
479	NEUROLOGIC_CONDITION02	Num	8	History of neurologic condition reported at Visit 2 (1=Yes, 0=No, 2=Unknown)
480	CARDIOVASCULAR_CONDITION03	Num	8	Cardiovascular condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
481	DERMATOLOGY_CONDITION03	Num	8	Dermatological condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
482	ENDOCRINE_CONDITION03	Num	8	Endocrine condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
483	EYES_ENT_CONDITION03	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
484	GENITOURINARY_CONDITION03	Num	8	Genitourinary and Reproductive condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
485	GI_CONDITION03	Num	8	Gastrointestinal condition at Visit 3 (1=Yes, 0=No, 2=Unknown)
486	INFECTIOUS_DISEASE_CONDITION03	Num	8	Infectious disease condition at Visit 3 (1=Yes, 0=No, 2=Unknown)
487	MUSCULAR_SKELETAL_CONDITION03	Num	8	Muscular/skeletal condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
488	ONCOLOGY_HEMA_CONDITION03	Num	8	Oncology/hematology condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
489	PSYCHIATRIC_CONDITION03	Num	8	Psychiatric condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
490	PULMONARY_VASCULAR_CONDITION03	Num	8	Pulmonary/vascular condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
491	NEUROLOGIC_CONDITION03	Num	8	History of neurologic condition reported at Visit 3 (1=Yes, 0=No, 2=Unknown)
492	CARDIOVASCULAR_CONDITION04	Num	8	Cardiovascular condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
493	DERMATOLOGY_CONDITION04	Num	8	Dermatological condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
494	ENDOCRINE_CONDITION04	Num	8	Endocrine condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
495	EYES_ENT_CONDITION04	Num	8	Eyes, Ear, Nose, or Throat condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
496	GENITOURINARY_CONDITION04	Num	8	Genitourinary and Reproductive condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
497	GI_CONDITION04	Num	8	Gastrointestinal condition at Visit 4 (1=Yes, 0=No, 2=Unknown)
498	INFECTIOUS_DISEASE_CONDITION04	Num	8	Infectious disease condition at Visit 4 (1=Yes, 0=No, 2=Unknown)
499	MUSCULAR_SKELETAL_CONDITION04	Num	8	Muscular/skeletal condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
500	ONCOLOGY_HEMA_CONDITION04	Num	8	Oncology/hematology condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
501	PSYCHIATRIC_CONDITION04	Num	8	Psychiatric condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
502	PULMONARY_VASCULAR_CONDITION04	Num	8	Pulmonary/vascular condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
503	NEUROLOGIC_CONDITION04	Num	8	History of neurologic condition reported at Visit 4 (1=Yes, 0=No, 2=Unknown)
504	INHALEDBRONCHODILATORS01	Char	1	Inhaled bronchodilators used in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)
505	NEBULIZEDBRONCHODILATORS01	Char	1	Nebulized bronchodilators usage in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)

Num	Variable	Type	Len	Label
506	INHALEDSTEROIDS01	Char	1	Inhaled steroids used in the last three months at visit 1 (1=Yes, 0=No, 2=Unknown)
507	INHALEDBRONCHODILATORS02	Char	1	Inhaled bronchodilators used in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
508	NEBULIZEDBRONCHODILATORS02	Char	1	Nebulized bronchodilators usage in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
509	INHALEDSTEROIDS02	Char	1	Inhaled steroids used in the last three months at visit 2 (1=Yes, 0=No, 2=Unknown)
510	INHALEDBRONCHODILATORS03	Char	1	Inhaled bronchodilators used in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)
511	NEBULIZEDBRONCHODILATORS03	Char	1	Nebulized bronchodilators usage in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)
512	INHALEDSTEROIDS03	Char	1	Inhaled steroids used in the last three months at visit 3 (1=Yes, 0=No, 2=Unknown)
513	INHALEDBRONCHODILATORS04	Char	1	Inhaled bronchodilators used in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
514	NEBULIZEDBRONCHODILATORS04	Char	1	Nebulized bronchodilators usage in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
515	INHALEDSTEROIDS04	Char	1	Inhaled steroids used in the last three months at visit 4 (1=Yes, 0=No, 2=Unknown)
516	NEUROLOGIC_CONDITION01	Num	8	History of neurologic condition reported at baseline
517	DAYS_BTW_BASELINE_Y1	Num	8	Number of days between Baseline and Year 1 visit
518	DAYS_BTW_Y1_Y2	Num	8	Number of days between Year 1 and Year 2 visit
519	DAYS_BTW_Y2_Y3	Num	8	Number of days between Year 1 and Year 2 visit
520	FOLLOWUP_DAYS_ALL	Num	8	Days of follow-up in study including all study contacts
521	GOLD_CAT2013_0101	Char	1	Baseline GOLD status revised using the 2013 guidelines and CAT
522	GOLD_CAT2017_0101	Char	1	Baseline GOLD status using the 2017 guidelines and CAT
523	GOLD_MMRC2013_0101	Char	1	Baseline GOLD status using the 2013 guidelines and mMRC
524	GOLD_MMRC2017_0101	Char	1	Baseline GOLD status using the 2017 guidelines and mMRC
525	PEX_SEVERE_730	Num	8	Total count of exacerbations between 366 and 730 days (f, g)
526	PEX_SEVERE_1095	Num	8	Total count of exacerbations between 731 and 1095 days (f, g)
527	PEX_SEVERE_1460	Num	8	Total count of exacerbations between 1096 and 1460 days (f, g)
528	PEX_SEVERE_1825	Num	8	Total count of exacerbations between 1461 and 1825 days (f, g)
529	GLI_ETHNICITY	Num	8	Ethnicity category for GLI spirometric calculations
530	V1_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
531	V1_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
532	V1_GLI_FEV1_LLN	Num	8	Visit 1 GLI Reference value for FEV1 Lower Limit of Normal
533	V1_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FVC Z-Score Pre-Bronchodilator
534	V1_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
535	V1_GLI_FVC_LLN	Num	8	Visit 1 GLI Reference value for FVC Lower Limit of Normal

Num	Variable	Type	Len	Label
536	V1_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
537	V1_GLI_FEV1FVC_LLN	Num	8	Visit 1 GLI Reference value for FEV1FVC Lower Limit of Normal
538	V1_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
539	V1_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
540	V1_GLI_FEF2575_LLN	Num	8	Visit 1 GLI Reference value for FEF2575 Lower Limit of Normal
541	V1_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
542	V1_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
543	V1_GLI_FEF75_LLN	Num	8	Visit 1 GLI Reference value for FEF75 Lower Limit of Normal
544	V1_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
545	V2_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
546	V2_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
547	V2_GLI_FEV1_LLN	Num	8	Visit 2 GLI Reference value for FEV1 Lower Limit of Normal
548	V2_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FVC Z-Score Pre-Bronchodilator
549	V2_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
550	V2_GLI_FVC_LLN	Num	8	Visit 2 GLI Reference value for FVC Lower Limit of Normal
551	V2_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
552	V2_GLI_FEV1FVC_LLN	Num	8	Visit 2 GLI Reference value for FEV1FVC Lower Limit of Normal
553	V2_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
554	V2_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
555	V2_GLI_FEF2575_LLN	Num	8	Visit 2 GLI Reference value for FEF2575 Lower Limit of Normal
556	V2_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
557	V2_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 2 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
558	V2_GLI_FEF75_LLN	Num	8	Visit 2 GLI Reference value for FEF75 Lower Limit of Normal
559	V2_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 2 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
560	V3_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
561	V3_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
562	V3_GLI_FEV1_LLN	Num	8	Visit 3 GLI Reference value for FEV1 Lower Limit of Normal
563	V3_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FVC Z-Score Pre-Bronchodilator
564	V3_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
565	V3_GLI_FVC_LLN	Num	8	Visit 3 GLI Reference value for FVC Lower Limit of Normal

Num	Variable	Type	Len	Label
566	V3_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
567	V3_GLI_FEV1FVC_LLN	Num	8	Visit 3 GLI Reference value for FEV1FVC Lower Limit of Normal
568	V3_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
569	V3_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
570	V3_GLI_FEF2575_LLN	Num	8	Visit 3 GLI Reference value for FEF2575 Lower Limit of Normal
571	V3_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
572	V3_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 3 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
573	V3_GLI_FEF75_LLN	Num	8	Visit 3 GLI Reference value for FEF75 Lower Limit of Normal
574	V3_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 3 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
575	V4_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
576	V4_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
577	V4_GLI_FEV1_LLN	Num	8	Visit 4 GLI Reference value for FEV1 Lower Limit of Normal
578	V4_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FVC Z-Score Pre-Bronchodilator
579	V4_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
580	V4_GLI_FVC_LLN	Num	8	Visit 4 GLI Reference value for FVC Lower Limit of Normal
581	V4_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
582	V4_GLI_FEV1FVC_LLN	Num	8	Visit 4 GLI Reference value for FEV1FVC Lower Limit of Normal
583	V4_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator
584	V4_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
585	V4_GLI_FEF2575_LLN	Num	8	Visit 4 GLI Reference value for FEF2575 Lower Limit of Normal
586	V4_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
587	V4_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 4 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
588	V4_GLI_FEF75_LLN	Num	8	Visit 4 GLI Reference value for FEF75 Lower Limit of Normal
589	V4_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 4 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
590	V1_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
591	V1_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
592	V1_GLI_FVC_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FVC Z-Score Post-Bronchodilator
593	V1_GLI_FVC_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
594	V1_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator

Num	Variable	Type	Len	Label
595	V1_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
596	V1_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
597	V1_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
598	V1_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
599	V1_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator
600	V2_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
601	V2_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
602	V2_GLI_FVC_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FVC Z-Score Post-Bronchodilator
603	V2_GLI_FVC_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
604	V2_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
605	V2_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
606	V2_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
607	V2_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
608	V2_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 2 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
609	V2_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 2 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator
610	V3_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
611	V3_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
612	V3_GLI_FVC_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FVC Z-Score Post-Bronchodilator
613	V3_GLI_FVC_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
614	V3_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
615	V3_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
616	V3_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
617	V3_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
618	V3_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 3 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
619	V3_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 3 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator

Num	Variable	Type	Len	Label
620	V4_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
621	V4_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
622	V4_GLI_FVC_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FVC Z-Score Post-Bronchodilator
623	V4_GLI_FVC_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
624	V4_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
625	V4_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
626	V4_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
627	V4_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
628	V4_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 4 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
629	V4_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 4 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator

Data Set Name: r1_ant_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	ANT01	Char	1	ANT01 Assessment of ability to stand
6	ANT02	Num	8	ANT02 Standing Height (cm)
7	ANT03	Num	8	ANT03 Weight (kg)
8	ANT04	Num	8	ANT04 BMI
9	ANT05	Num	8	ANT05 Arm Span (cm)
10	ANT06A	Num	8	ANT06A Waist (cm)
11	ANT06B	Num	8	ANT06B Hip (cm)
12	ANT06C	Num	8	ANT06C Neck (cm)
13	VERSION	Char	21	Version
14	ANT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_beq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	VISIT
5	BEQ01	Char	1	BEQ01 Breathing Problems last 12 months
6	BEQ02	Num	8	BEQ02 Number of breathing problem episodes last 12 months
7	BEQ03A	Char	1	BEQ03A First episode: additional antibiotics after contacting healthcare provider
8	BEQ03B	Char	1	BEQ03B First episode: additional oral steroids after contacting healthcare provider
9	BEQ03C	Char	1	BEQ03C First episode: additional antibiotics without contacting healthcare provider
10	BEQ03D	Char	1	BEQ03D First episode: additional oral steroids without contacting healthcare provider
11	BEQ03E	Char	1	BEQ03E First episode: evaluated at physician's office or urgent care
12	BEQ03E1	Num	8	BEQ03E1 First episode: additional antibiotics after office visit
13	BEQ03E2	Num	8	BEQ03E2 First episode: additional oral steroids after office visit
14	BEQ03E3	Num	8	BEQ03E3 First episode: do not know treatment after office visit
15	BEQ03E4	Num	8	BEQ03E4 First episode: do not remember treatment after office visit
16	BEQ03F	Char	1	BEQ03F First episode: evaluated in an Emergency Department
17	BEQ03F1	Num	8	BEQ03F1 First episode: additional antibiotics after ED visit
18	BEQ03F2	Num	8	BEQ03F2 First episode: additional oral steroids after ED visit
19	BEQ03F3	Num	8	BEQ03F3 First episode: do not know treatment after ED visit
20	BEQ03F4	Num	8	BEQ03F4 First episode: do not remember treatment after ED visit
21	BEQ03G	Char	1	BEQ03G First episode: admitted to hospital
22	BEQ04	Char	1	BEQ04 Was there a second episode of breathing problems
23	BEQ05A	Char	1	BEQ05A Second episode: additional antibiotics after contacting healthcare provider
24	BEQ05B	Char	1	BEQ05B Second episode: additional oral steroids after contacting healthcare provider
25	BEQ05C	Char	1	BEQ05C Second episode: additional antibiotics without contacting healthcare provider
26	BEQ05D	Char	1	BEQ05D Second episode: additional oral steroids without contacting healthcare provider
27	BEQ05E	Char	1	BEQ05E Second episode: evaluated at physician's office or urgent care
28	BEQ05E1	Num	8	BEQ05E1 Second episode: additional antibiotics after office visit
29	BEQ05E2	Num	8	BEQ05E2 Second episode: additional oral steroids after office visit
30	BEQ05E3	Num	8	BEQ05E3 Second episode: do not know treatment after office visit
31	BEQ05E4	Num	8	BEQ05E4 Second episode: do not remember treatment after office visit
32	BEQ05F	Char	1	BEQ05F Second episode: evaluated in an Emergency Department
33	BEQ05F1	Num	8	BEQ05F1 Second episode: additional antibiotics after ED visit
34	BEQ05F2	Num	8	BEQ05F2 Second episode: additional oral steroids after ED visit
35	BEQ05F3	Num	8	BEQ05F3 Second episode: do not know treatment after ED visit
36	BEQ05F4	Num	8	BEQ05F4 Second episode: do not remember treatment after ED visit
37	BEQ05G	Char	1	BEQ05G Second episode: admitted to hospital

Num	Variable	Type	Len	Label
38	BEQ06	Char	1	BEQ06 Was there a Third episode of breathing problems
39	BEQ07A	Char	1	BEQ07A Third episode: additional antibiotics after contacting healthcare provider
40	BEQ07B	Char	1	BEQ07B Third episode: additional oral steroids after contacting healthcare provider
41	BEQ07C	Char	1	BEQ07C Third episode: additional antibiotics without contacting healthcare provider
42	BEQ07D	Char	1	BEQ07D Third episode: additional oral steroids without contacting healthcare provider
43	BEQ07E	Char	1	BEQ07E Third episode: evaluated at physician's office or urgent care
44	BEQ07E1	Num	8	BEQ07E1 Third episode: additional antibiotics after office visit
45	BEQ07E2	Num	8	BEQ07E2 Third episode: additional oral steroids after office visit
46	BEQ07E3	Num	8	BEQ07E3 Third episode: do not know treatment after office visit
47	BEQ07E4	Num	8	BEQ07E4 Third episode: do not remember treatment after office visit
48	BEQ07F	Char	1	BEQ07F Third episode: evaluated in an Emergency Department
49	BEQ07F1	Num	8	BEQ07F1 Third episode: additional antibiotics after ED visit
50	BEQ07F2	Num	8	BEQ07F2 Third episode: additional oral steroids after ED visit
51	BEQ07F3	Num	8	BEQ07F3 Third episode: do not know treatment after ED visit
52	BEQ07F4	Num	8	BEQ07F4 Third episode: do not remember treatment after ED visit
53	BEQ07G	Char	1	BEQ07G Third episode: admitted to hospital
54	BEQ08	Char	1	BEQ08 Was there a Fourth episode of breathing problems
55	BEQ09A	Char	1	BEQ09A Fourth episode: additional antibiotics after contacting healthcare provider
56	BEQ09B	Char	1	BEQ09B Fourth episode: additional oral steroids after contacting healthcare provider
57	BEQ09C	Char	1	BEQ09C Fourth episode: additional antibiotics without contacting healthcare provider
58	BEQ09D	Char	1	BEQ09D Fourth episode: additional oral steroids without contacting healthcare provider
59	BEQ09E	Char	1	BEQ09E Fourth episode: evaluated at physician's office or urgent care
60	BEQ09E1	Num	8	BEQ09E1 Fourth episode: additional antibiotics after office visit
61	BEQ09E2	Num	8	BEQ09E2 Fourth episode: additional oral steroids after office visit
62	BEQ09E3	Num	8	BEQ09E3 Fourth episode: do not know treatment after office visit
63	BEQ09E4	Num	8	BEQ09E4 Fourth episode: do not remember treatment after office visit
64	BEQ09F	Char	1	BEQ09F Fourth episode: evaluated in an Emergency Department
65	BEQ09F1	Num	8	BEQ09F1 Fourth episode: additional antibiotics after ED visit
66	BEQ09F2	Num	8	BEQ09F2 Fourth episode: additional oral steroids after ED visit
67	BEQ09F3	Num	8	BEQ09F3 Fourth episode: do not know treatment after ED visit
68	BEQ09F4	Num	8	BEQ09F4 Fourth episode: do not remember treatment after ED visit
69	BEQ09G	Char	1	BEQ09G Fourth episode: admitted to hospital
70	BEQ10	Char	1	BEQ10 Was there a Fifth episode of breathing problems
71	BEQ11A	Char	1	BEQ11A Fifth episode: additional antibiotics after contacting healthcare provider
72	BEQ11B	Char	1	BEQ11B Fifth episode: additional oral steroids after contacting healthcare provider
73	BEQ11C	Char	1	BEQ11C Fifth episode: additional antibiotics without contacting healthcare provider
74	BEQ11D	Char	1	BEQ11D Fifth episode: additional oral steroids without contacting healthcare provider
75	BEQ11E	Char	1	BEQ11E Fifth episode: evaluated at physician's office or urgent care
76	BEQ11E1	Num	8	BEQ11E1 Fifth episode: additional antibiotics after office visit

Num	Variable	Type	Len	Label
77	BEQ11E2	Num	8	BEQ11E2 Fifth episode: additional oral steroids after office visit
78	BEQ11E3	Num	8	BEQ11E3 Fifth episode: do not know treatment after office visit
79	BEQ11E4	Num	8	BEQ11E4 Fifth episode: do not remember treatment after office visit
80	BEQ11F	Char	1	BEQ11F Fifth episode: evaluated in an Emergency Department
81	BEQ11F1	Num	8	BEQ11F1 Fifth episode: additional antibiotics after ED visit
82	BEQ11F2	Num	8	BEQ11F2 Fifth episode: additional oral steroids after ED visit
83	BEQ11F3	Num	8	BEQ11F3 Fifth episode: do not know treatment after ED visit
84	BEQ11F4	Num	8	BEQ11F4 Fifth episode: do not remember treatment after ED visit
85	BEQ11G	Char	1	BEQ11G Fifth episode: admitted to hospital
86	BEQ12	Char	1	BEQ12 Was there a Sixth episode of breathing problems
87	BEQ13A	Char	1	BEQ13A Sixth episode: additional antibiotics after contacting healthcare provider
88	BEQ13B	Char	1	BEQ13B Sixth episode: additional oral steroids after contacting healthcare provider
89	BEQ13C	Char	1	BEQ13C Sixth episode: additional antibiotics without contacting healthcare provider
90	BEQ13D	Char	1	BEQ13D Sixth episode: additional oral steroids without contacting healthcare provider
91	BEQ13E	Char	1	BEQ13E Sixth episode: evaluated at physician's office or urgent care
92	BEQ13E1	Num	8	BEQ13E1 Sixth episode: additional antibiotics after office visit
93	BEQ13E2	Num	8	BEQ13E2 Sixth episode: additional oral steroids after office visit
94	BEQ13E3	Num	8	BEQ13E3 Sixth episode: do not know treatment after office visit
95	BEQ13E4	Num	8	BEQ13E4 Sixth episode: do not remember treatment after office visit
96	BEQ13F	Char	1	BEQ13F Sixth episode: evaluated in an Emergency Department
97	BEQ13F1	Num	8	BEQ13F1 Sixth episode: additional antibiotics after ED visit
98	BEQ13F2	Num	8	BEQ13F2 Sixth episode: additional oral steroids after ED visit
99	BEQ13F3	Num	8	BEQ13F3 Sixth episode: do not know treatment after ED visit
100	BEQ13F4	Num	8	BEQ13F4 Sixth episode: do not remember treatment after ED visit
101	BEQ13G	Char	1	BEQ13G Sixth episode: admitted to hospital
102	VERSION	Char	21	VERSION
103	BEQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_bio_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	BIO01	Char	1	BIO01 Fasting before appointment?
6	BIO02	Char	5	BIO02 Time most recently eaten
7	BIO02_AMPM	Char	1	BIO02_AMPM Recently eaten AM/PM
8	BIO04	Char	5	BIO04 Collection time
9	BIO04_AMPM	Char	1	BIO04_AMPM Blood collection time AM/PM
10	BIO05	Num	8	BIO05 Number of venipuncture attempts
11	BIO06	Char	1	BIO06 Incidents/Problems drawing blood?
12	BIO07A1	Num	8	BIO07A1 Tube 1 Sample Not Drawn
13	BIO07A2	Num	8	BIO07A2 Tube 2 Sample Not Drawn
14	BIO07A3	Num	8	BIO07A3 Tube 3 Sample Not Drawn
15	BIO07A4	Num	8	BIO07A4 Tube 4 Sample Not Drawn
16	BIO07A5	Num	8	BIO07A5 Tube 5 Sample Not Drawn
17	BIO07A6	Num	8	BIO07A6 Tube 6 Sample Not Drawn
18	BIO07A7	Num	8	BIO07A7 Tube 7 Sample Not Drawn
19	BIO07A8	Num	8	BIO07A8 Tube 8 Sample Not Drawn
20	BIO07A9	Num	8	BIO07A9 Tube 9 Sample Not Drawn
21	BIO07B1	Num	8	BIO07B1 Tube 1 Partial sample drawn
22	BIO07B2	Num	8	BIO07B2 Tube 2 Partial sample drawn
23	BIO07B3	Num	8	BIO07B3 Tube 3 Partial sample drawn
24	BIO07B4	Num	8	BIO07B4 Tube 4 Partial sample drawn
25	BIO07B5	Num	8	BIO07B5 Tube 5 Partial sample drawn
26	BIO07B6	Num	8	BIO07B6 Tube 6 Partial sample drawn
27	BIO07B7	Num	8	BIO07B7 Tube 7 Partial sample drawn
28	BIO07B8	Num	8	BIO07B8 Tube 8 Partial sample drawn
29	BIO07B9	Num	8	BIO07B9 Tube 9 Partial sample drawn
30	BIO07C1	Num	8	BIO07C1 Tube 1 Tourniquet reapplied
31	BIO07C2	Num	8	BIO07C2 Tube 2 Tourniquet reapplied
32	BIO07C3	Num	8	BIO07C3 Tube 3 Tourniquet reapplied
33	BIO07C4	Num	8	BIO07C4 Tube 4 Tourniquet reapplied
34	BIO07C5	Num	8	BIO07C5 Tube 5 Tourniquet reapplied
35	BIO07C6	Num	8	BIO07C6 Tube 6 Tourniquet reapplied
36	BIO07C7	Num	8	BIO07C7 Tube 7 Tourniquet reapplied
37	BIO07C8	Num	8	BIO07C8 Tube 8 Tourniquet reapplied

Num	Variable	Type	Len	Label
38	BIO07C9	Num	8	BIO07C9 Tube 9 Tourniquet reapplied
39	BIO07D1	Num	8	BIO07D1 Tube 1 Fist clenching
40	BIO07D2	Num	8	BIO07D2 Tube 2 Fist clenching
41	BIO07D3	Num	8	BIO07D3 Tube 3 Fist clenching
42	BIO07D4	Num	8	BIO07D4 Tube 4 Fist clenching
43	BIO07D5	Num	8	BIO07D5 Tube 5 Fist clenching
44	BIO07D6	Num	8	BIO07D6 Tube 6 Fist clenching
45	BIO07D7	Num	8	BIO07D7 Tube 7 Fist clenching
46	BIO07D8	Num	8	BIO07D8 Tube 8 Fist clenching
47	BIO07D9	Num	8	BIO07D9 Tube 9 Fist clenching
48	BIO07E1	Num	8	BIO07E1 Tube 1 Needle movement
49	BIO07E2	Num	8	BIO07E2 Tube 2 Needle movement
50	BIO07E3	Num	8	BIO07E3 Tube 3 Needle movement
51	BIO07E4	Num	8	BIO07E4 Tube 4 Needle movement
52	BIO07E5	Num	8	BIO07E5 Tube 5 Needle movement
53	BIO07E6	Num	8	BIO07E6 Tube 6 Needle movement
54	BIO07E7	Num	8	BIO07E7 Tube 7 Needle movement
55	BIO07E8	Num	8	BIO07E8 Tube 8 Needle movement
56	BIO07E9	Num	8	BIO07E9 Tube 9 Needle movement
57	BIO07F1	Num	8	BIO07F1 Tube 1 Participant reclining
58	BIO07F2	Num	8	BIO07F2 Tube 2 Participant reclining
59	BIO07F3	Num	8	BIO07F3 Tube 3 Participant reclining
60	BIO07F4	Num	8	BIO07F4 Tube 4 Participant reclining
61	BIO07F5	Num	8	BIO07F5 Tube 5 Participant reclining
62	BIO07F6	Num	8	BIO07F6 Tube 6 Participant reclining
63	BIO07F7	Num	8	BIO07F7 Tube 7 Participant reclining
64	BIO07F8	Num	8	BIO07F8 Tube 8 Participant reclining
65	BIO07F9	Num	8	BIO07F9 Tube 9 Participant reclining
66	BIO08	Char	2000	BIO08 Other problems drawing blood
67	BIO10A	Char	5	BIO10A Tube 1: Time processed
68	BIO10A_AMPM	Char	1	BIO10A_AMPM Tube 1: Processed AM/PM
69	BIO10B	Char	1	BIO10B Tube 1: Problems Processing?
70	BIO10B1	Num	8	BIO10B1 Tube 1: Broken tube
71	BIO10B2	Num	8	BIO10B2 Tube 1: Sample re-centrifuged
72	BIO10B3	Num	8	BIO10B3 Tube 1: Clotted
73	BIO10B4	Num	8	BIO10B4 Tube 1: Hemolyzed
74	BIO10B5	Num	8	BIO10B5 Tube 1: Lipemic
75	BIO10B6	Num	8	BIO10B6 Tube 1: Other
76	BIO10C	Num	8	BIO10C Tube 1: Number of aliquots

Num	Variable	Type	Len	Label
77	BIO10D	Num	8	BIO10D Tube 1: Volume in last four aliquots
78	BIO10E	Num	8	BIO10E Tube 1: Freezer box number
79	BIO10F	Char	5	BIO10F Tube 1: Time aliquots placed in freezer
80	BIO10F_AMPM	Char	1	BIO10F_AMPM Tube 1: Freezer AM/PM
81	BIO11A	Char	5	BIO11A Tube 2: Time processed
82	BIO11A_AMPM	Char	1	BIO11A_AMPM Tube 2: Processed AM/PM
83	BIO11B	Char	1	BIO11B Tube 2: Problems processing?
84	BIO11B1	Num	8	BIO11B1 Tube 2: Broken tube
85	BIO11B2	Num	8	BIO11B2 Tube 2: Sample re-centrifuged
86	BIO11B3	Num	8	BIO11B3 Tube 2: Clotted
87	BIO11B4	Num	8	BIO11B4 Tube 2: Hemolyzed
88	BIO11B5	Num	8	BIO11B5 Tube 2: Lipemic
89	BIO11B6	Num	8	BIO11B6 Tube 2: Other
90	BIO11C	Num	8	BIO11C Tube 2: Number of aliquots
91	BIO11D	Num	8	BIO11D Tube 2: Volume in last four aliquots
92	BIO11E	Num	8	BIO11E Tube 2: Freezer box number
93	BIO11F	Char	5	BIO11F Tube 2: Time aliquots placed in freezer
94	BIO11F_AMPM	Char	1	BIO11F_AMPM Tube 2: Freezer AM/PM
95	BIO12A	Char	5	BIO12A Tube 3: Time processed
96	BIO12A_AMPM	Char	1	BIO12A_AMPM Tube 3: Processed AM/PM
97	BIO12B	Char	1	BIO12B Tube 3: Problems processing?
98	BIO12B1	Num	8	BIO12B1 Tube 3: Broken tube
99	BIO12B2	Num	8	BIO12B2 Tube 3: Sample re-centrifuged
100	BIO12B3	Num	8	BIO12B3 Tube 3: Clotted
101	BIO12B4	Num	8	BIO12B4 Tube 3: Hemolyzed
102	BIO12B5	Num	8	BIO12B5 Tube 3: Lipemic
103	BIO12B6	Num	8	BIO12B6 Tube 3: Other
104	BIO12C	Num	8	BIO12C Tube 3: Number of aliquots
105	BIO12D	Num	8	BIO12D Tube 3: Volume in last four aliquots
106	BIO12E	Num	8	BIO12E Tube 3: Freezer box number
107	BIO12F	Char	5	BIO12F Tube 3: Time aliquots placed in freezer
108	BIO12F_AMPM	Char	1	BIO12F_AMPM Tube 3: Freezer AM/PM
109	BIO13A	Char	5	BIO13A Tube 4: Time processed
110	BIO13A_AMPM	Char	1	BIO13A_AMPM Tube 4:Processed AM/PM
111	BIO13B	Char	1	BIO13B Tube 4: Problems processing?
112	BIO13B1	Num	8	BIO13B1 Tube 4: Broken tube
113	BIO13B2	Num	8	BIO13B2 Tube 4: Sample re-centrifuged
114	BIO13B3	Num	8	BIO13B3 Tube 4: Clotted
115	BIO13B4	Num	8	BIO13B4 Tube 4: Hemolyzed

Num	Variable	Type	Len	Label
116	BIO13B5	Num	8	BIO13B5 Tube 4: Lipemic
117	BIO13B6	Num	8	BIO13B6 Tube 4: Other
118	BIO13C	Num	8	BIO13C Tube 4: Number of aliquots
119	BIO13D	Num	8	BIO13D Tube 4: Volume in last four aliquots
120	BIO13E	Num	8	BIO13E Tube 4: Freezer box number
121	BIO13F	Char	5	BIO13F Tube 4: Time aliquots placed in freezer
122	BIO13F_AMPM	Char	1	BIO13F_AMPM Tube 4:Freezer AM/PM
123	BIO14A	Char	5	BIO14A Tube 5: Time processed
124	BIO14A_AMPM	Char	1	BIO14A_AMPM Tube 5:Processed AM/PM
125	BIO14B	Char	1	BIO14B Tube 5: Problems processing?
126	BIO14B1	Num	8	BIO14B1 Tube 5: Broken tube
127	BIO14B2	Num	8	BIO14B2 Tube 5: Sample re-centrifuged
128	BIO14B3	Num	8	BIO14B3 Tube 5: Clotted
129	BIO14B4	Num	8	BIO14B4 Tube 5: Hemolyzed
130	BIO14B5	Num	8	BIO14B5 Tube 5: Lipemic
131	BIO14B6	Num	8	BIO14B6 Tube 5: Other
132	BIO14C	Num	8	BIO14C Tube 5: Number of aliquots
133	BIO14D	Num	8	BIO14D Tube 5: Volume in last four aliquots
134	BIO14E	Num	8	BIO14E Tube 5: Freezer box number
135	BIO14F	Char	5	BIO14F Tube 5: Time aliquots placed in freezer
136	BIO14F_AMPM	Char	1	BIO14F_AMPM Tube 5:Freezer AM/PM
137	BIO15A	Char	5	BIO15A Tube 6: Time processed
138	BIO15A_AMPM	Char	1	BIO15A_AMPM Tube 6:Processed AM/PM
139	BIO15B	Char	1	BIO15B Tube 6: Problems processing?
140	BIO15B1	Num	8	BIO15B1 Tube 6: Broken tube
141	BIO15B2	Num	8	BIO15B2 Tube 6: Sample re-centrifuged
142	BIO15B3	Num	8	BIO15B3 Tube 6: Clotted
143	BIO15B4	Num	8	BIO15B4 Tube 6: Hemolyzed
144	BIO15B5	Num	8	BIO15B5 Tube 6: Lipemic
145	BIO15B6	Num	8	BIO15B6 Tube 6: Other
146	BIO15C	Num	8	BIO15C Tube 6: Number of aliquots
147	BIO15D	Num	8	BIO15D Tube 6: Volume in last four aliquots
148	BIO15E	Num	8	BIO15E Tube 6: Freezer box number
149	BIO15F	Char	5	BIO15F Tube 6: Time aliquots placed in freezer
150	BIO15F_AMPM	Char	1	BIO15F_AMPM Tube 6:Freezer AM/PM
151	BIO16A	Char	5	BIO16A Tube 7: Time sent to clinical center lab:
152	BIO16A_AMPM	Char	1	BIO16A_AMPM Tube 7: Sent to clinical lab AM/PM
153	BIO17A	Char	5	BIO17A Tube 8: Time processed
154	BIO17A_AMPM	Char	1	BIO17A_AMPM Tube 8:Processed AM/PM

Num	Variable	Type	Len	Label
155	BIO17B	Char	1	BIO17B Tube 8: Problems processing?
156	BIO17B1	Num	8	BIO17B1 Tube 8: Broken tube
157	BIO17B2	Num	8	BIO17B2 Tube 8: Sample re-centrifuged
158	BIO17B3	Num	8	BIO17B3 Tube 8: Clotted
159	BIO17B4	Num	8	BIO17B4 Tube 8: Hemolyzed
160	BIO17B5	Num	8	BIO17B5 Tube 8: Lipemic
161	BIO17B6	Num	8	BIO17B6 Tube 8: Other
162	BIO17C	Num	8	BIO17C Tube 8: Number of aliquots
163	BIO17D	Num	8	BIO17D Tube 8: Volume in last four aliquots
164	BIO17E	Num	8	BIO17E Tube 8: Freezer box number
165	BIO17F	Char	5	BIO17F Tube 8: Time aliquots placed in freezer
166	BIO17F_AMPM	Char	1	BIO17F_AMPM Tube 8:Freezer AM/PM
167	BIO18B	Char	5	BIO18B Tube 9: Time placed in freezer
168	BIO18B_AMPM	Char	1	BIO18B_AMPM Tube 9:Freezer AM/PM
169	BIO18C	Char	1	BIO18C Tube 9: Problems processing?
170	BIO18C1	Num	8	BIO18C1 Tube 9: Broken tube
171	BIO18C2	Num	8	BIO18C2 Tube 9: Sample re-centrifuged
172	BIO18C3	Num	8	BIO18C3 Tube 9: Clotted
173	BIO18C4	Num	8	BIO18C4 Tube 9: Hemolyzed
174	BIO18C5	Num	8	BIO18C5 Tube 9: Lipemic
175	BIO18C6	Num	8	BIO18C6 Tube 9: Other
176	BIO18D	Num	8	BIO18D Tube 9: Freezer box number
177	BIO19	Char	1	BIO19 Urine sample collected
178	BIO21	Char	5	BIO21 Time urine sample collected
179	BIO21_AMPM	Char	1	BIO21_AMPM urine sample collected AM/PM
180	BIO22	Char	5	BIO22 Time urine sample processed
181	BIO22_AMPM	Char	1	BIO22 AMPM urine sample processed AM/PM
182	BIO23	Num	8	BIO23 Number of aliquots with preservative:
183	BIO24	Num	8	BIO24 Number of aliquots without preservative:
184	BIO25	Char	1	BIO25 Able to become pregnant?
185	BIO26	Char	1	BIO26 Pregnancy test requested?
186	BIO26A	Char	1	BIO26A Pregnant?
187	BIO28	Char	2000	BIO28 Comment on processing/collection
188	BIO24A	Char	5	BIO24A Time urine sample entered freezer
189	BIO24A_AMPM	Char	1	BIO24A_AMPM
190	VERSION	Char	21	Version
191	BIO0A_DAYS	Num	8	Form Date - Days from enrollment
192	BIO03_DAYS	Num	8	BIO03 Date of blood collection - Days from enrollment
193	BIO18A_DAYS	Num	8	BIO18A Tube 9: Date placed in freezer - Days from enrollment

Num	Variable	Type	Len	Label
194	BIO20_DAYS	Num	8	BIO20 Date of urine sample: - Days from enrollment

Data Set Name: r1_bmh_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	VISIT
5	BMH01	Char	1	BMH01 Recent hospitalizations
6	BMH01A	Char	2000	BHM01A Describe Hosp 1
7	BMH01B	Char	2000	BMH01B Describe Hosp 2
8	BMH01C	Char	2000	BMH01C Describe Hosp 3
9	BMH01D	Char	2000	BMH01D Describe Hosp 4
10	BMH02	Char	1	BMH02 Recent emergency care visit
11	BMH02A	Char	2000	BMH02A Describe Emergency Visit 1
12	BMH02B	Char	2000	BMH02B Describe Emergency Visit 2
13	BMH02C	Char	2000	BMH02C Describe Emergency Visit 3
14	BMH03	Char	1	BMH03 Any surgeries?
15	BMH03A	Char	2000	BMH03A Describe surgery 1
16	BMH03D	Char	2000	BMH03D Describe surgery 4
17	BMH03E	Char	2000	BMH03E Describe surgery 5
18	BMH03F	Char	2000	BMH03F Describe surgery 6
19	BMH03G	Char	2000	BMH03G Describe surgery 7
20	BMH03H	Char	2000	BMH03H Describe surgery 8
21	BMH03I	Char	2000	BMH03I Describe surgery 9
22	BMH04	Char	1	BMH04 Yearly flu shot
23	BMH05	Char	1	BMH05 Date of most recent pneumoia vaccine
24	BMH06	Char	1	BMH06 Alpha-1 anti-trypsin deficiency
25	BMH07A	Char	1	BMH07A Vision problems
26	BMH07B	Char	1	BMH07B Hearing problems
27	BMH07C	Char	1	BMH07C Dizziness
28	BMH07C1	Char	75	BMH07C1 Explain: Dizziness
29	BMH07D	Char	1	BMH07D Ears ringing
30	BMH07D1	Char	75	BMH07D1 Explain: Ears ringing
31	BMH07E	Char	1	BMH07E Sinusitis / Rhinitis
32	BMH07F	Char	1	BMH07F Other
33	BMH07F1	Char	75	BMH07F1 Explain: Other
34	BMH08A	Char	1	BMH08A High blood pressure
35	BMH08B	Char	1	BMH08B Coronary artery disease
36	BMH08C	Char	1	BMH08C Angina
37	BMH08D	Char	1	BMH08D Heart attack

Num	Variable	Type	Len	Label
38	BMH08E	Char	1	BMH08E Murmur
39	BMH08E1	Char	75	BMH08E1 Explain: Murmur
40	BMH08F	Char	1	BMH08F Palpitations/irregular heartbeat
41	BMH08G	Char	1	BMH08G Valve disease
42	BMH08G1	Char	75	BMH08G1 Explain: Valve disease
43	BMH08H	Char	1	BMH08H Congestive heart failure
44	BMH08I	Char	1	BMH08I Blood clots
45	BMH08I1	Char	75	BMH08I1 Explain: Blood clots
46	BMH08J	Char	1	BMH08J Poor circulation/claudication
47	BMH08J1	Char	75	BMH08J1 Explain: Poor circulation/claudication
48	BMH08K	Char	1	BMH08K Other
49	BMH09A	Char	1	BMH09A Esophageal condition or disease
50	BMH09B	Char	1	BMH09B Ulcers
51	BMH09C	Char	1	BMH09C Hepatitis or jaundice
52	BMH09D	Char	1	BMH09D Crohn's disease or colitis
53	BMH09E	Char	1	BMH09E Gallstones
54	BMH09F	Char	1	BMH09F Cirrhosis
55	BMH09G	Char	1	BMH09G GERD/heart burn
56	BMH09H	Char	1	BMH09H Hiatal hernia
57	BMH09I	Char	1	BMH09I Other
58	BMH09I1	Char	75	BMH09I1 Explain: Other
59	BMH10A	Char	1	BMH10A Intubation or respirator
60	BMH10B	Char	1	BMH10B Pneumothorax/collapsed lung
61	BMH10C	Char	1	BMH10C Tuberculosis
62	BMH10D	Char	1	BMH10D Pulmonary fibrosis
63	BMH10E	Char	1	BMH10E Lung nodules
64	BMH10F	Char	1	BMH10F Pulmonary embolism
65	BMH10G	Char	1	BMH10G Other
66	BMH11A	Char	1	BMH11A Cancer except basal cell skin cancer
67	BMH11B	Char	1	BMH11B Anemia
68	BMH11BEXP	Char	75	BMH11BEXP Explain: Anemia
69	BMH11C	Char	1	BMH11C Other
70	BMH12A	Char	1	BMH12A Menstrual symptoms
71	BMH12B	Char	1	BMH12B Enlarged prostate or BPH
72	BMH12C	Char	1	BMH12C Bladder or kidney problems/kidney stones
73	BMH12D	Char	1	BMH12D Other
74	BMH13A	Char	1	BMH13A Diabetes
75	BMH13B	Char	1	BMH13B Thyroid
76	BMH13C	Char	1	BMH13C Other

Num	Variable	Type	Len	Label
77	BMH14A	Char	1	BMH14A Stroke
78	BMH14B	Char	1	BMH14B Headaches
79	BMH14B1	Char	75	BMH14B1 Explain: Headaches
80	BMH14C	Char	1	BMH14C Seizure
81	BMH14D	Char	1	BMH14D Other
82	BMH15A	Char	1	BMH15A Rheumatoid arthritis
83	BMH15A1	Char	75	BMH15A1 Explain: Rheumatoid arthritis
84	BMH15B	Char	1	BMH15B Gout
85	BMH15C	Char	1	BMH15C Osteoporosis
86	BMH15D	Char	1	BMH15D Fractures
87	BMH15E	Char	1	BMH15E Joint pain
88	BMH15F	Char	1	BMH15F Osteoarthritis
89	BMH15G	Char	1	BMH15G Other
90	BMH16A	Char	1	BMH16A Rashes/hives/eczema
91	BMH16A1	Char	75	BMH16A1 Explain: Rashes/hives/eczema
92	BMH16B	Char	1	BMH16B Psoriasis
93	BMH16C	Char	1	BMH16C Shingles
94	BMH16D	Char	1	BMH16D Other
95	BMH17A	Char	1	BMH17A Atypical mycobacteria/MAC/MAI
96	BMH17B	Char	1	BMH17B Fungal disease
97	BMH17B1	Char	75	BMH17B1 Explain: Fungal disease
98	BMH17C	Char	1	BMH17C Other
99	BMH18A	Char	1	BMH18A Anxiety
100	BMH18B	Char	1	BMH18B Depression
101	BMH18C	Char	1	BMH18C Other
102	BMH18C1	Char	75	BMH18C1 Explain: Other
103	BMH19	Char	1	BMH19 Other significant problems
104	BMH19A	Char	50	BMH19A Other Significiant problem 1
105	BMH19B	Char	50	BMH19B Other Significiant problem 2
106	BMH20A	Char	1	BMH20A Fever/ cold/flu/ sore throat in the last two weeks
107	BMH20B	Char	1	BMH20B UTI in the last two weeks
108	BMH20C	Char	1	BMH20C Seasonal allergies in the last two weeks
109	BMH20D	Char	1	BMH20D Sinus infection/sinusitis in the last two weeks
110	BMH20E	Char	1	BMH20E Tooth infection in the last two weeks
111	BMH20F	Char	1	BMH20F Flare up of gout in the last two weeks
112	BMH20G	Char	1	BMH20G Flare up of arthritis in the last two weeks
113	BMH20H	Char	1	BMH20H Other illness in the last two weeks
114	BMH21	Char	1	BMH21 Allergies to medication/substances
115	BMH21A	Char	50	BMH21A Allergy 1

Num	Variable	Type	Len	Label
116	BMH21A1	Char	50	BMH21A1 Reaction 1
117	BMH21B	Char	50	BMH21B Allergy 2
118	BMH21B1	Char	50	BMH21B1 Reaction 2
119	BMH21C	Char	50	BMH21C Allergy 3
120	BMH21C1	Char	50	BMH21C1 Reaction 3
121	BMH21D	Char	50	BMH21D Allergy 4
122	BMH21D1	Char	50	BMH21D1 Reaction 4
123	BMH21E	Char	50	BMH21D Allergy 5
124	BMH21E1	Char	50	BMH21D1 Reaction 5
125	BMH22	Char	1	BMH22 Alcoholic beverages frequency
126	BMH23	Char	1	BMH23 Number of drinks per sitting
127	BMH24_1	Num	8	BMH24_1 Beer
128	BMH24_2	Num	8	BMH24_2 Wine
129	BMH24_3	Num	8	BMH24_3 Drinks containing liquor
130	BMH25	Char	1	BMH25 Frequency of 8+ drinks
131	BMH26	Char	1	BMH26 Frequency of memory lapse
132	BMH27	Char	1	BMH27 Frequency of failing expectations
133	BMH28	Char	1	BMH28 Concerns about alcohol consumption
134	BMH29	Num	8	BMH29 Age of starting monthly menstruation
135	BMH30	Char	1	BMH30 Reached menopause
136	BMH31	Num	8	BMH31 Age of reaching menopause
137	BMH32	Char	1	BMH32 Usage of oral contraceptive medications
138	BMH33	Num	8	BMH33 Years of oral contraceptive usage
139	BMH34	Char	1	BMH34 Usage of hormone replacement therapy?
140	BMH35	Num	8	BMH35 Years of hormone replacement therapy usage
141	BMH36	Char	1	BMH36 Any pregnancies
142	BMH37	Num	8	BMH37 Age at first pregnancy
143	BMH38	Num	8	BMH38 Number of pregnancies
144	BMH39	Char	1	BMH39 Breastfeeding
145	BMH40	Num	8	BMH40 Total months breastfeeding
146	BMH41	Char	1	BMH41 Ovary removal
147	BMH42	Char	1	BMH42 One or both ovaries removed
148	BMH43	Num	8	BMH43 Age of ovary removal
149	BMH03D1Y	Num	8	Year of Appx date:
150	BMH03E1Y	Num	8	Year of Appx date:
151	BMH04B	Char	1	4b) Did you get an influenza vaccination (flu shot) in the last 12 months?
152	BMH10H	Char	1	h) Wedge resection
153	VERSION	Char	21	VERSION
154	BMH0A_DAYS	Num	8	BMH0A Form Date - Days from enrollment

Num	Variable	Type	Len	Label
155	BMH01A1_DAYS	Num	8	BMH01A1 Approximate date Hosp 1 - Days from enrollment
156	BMH01B1_DAYS	Num	8	BMH01B1 Approximate date Hosp 2 - Days from enrollment
157	BMH02A1_DAYS	Num	8	BMH02A1 Approximate date Emergency Visit 1 - Days from enrollment
158	BMH02B1_DAYS	Num	8	BMH02B1 Approximate date Emergency Visit 2 - Days from enrollment
159	BMH02C1_DAYS	Num	8	BMH02C1 Approximate date Emergency Visit 3 - Days from enrollment
160	BMH03A1_DAYS	Num	8	BMH03A1 Approximate date surgery 1 - Days from enrollment
161	BMH03B1_DAYS	Num	8	BMH03B1 Approximate date surgery 2 - Days from enrollment
162	BMH03C1_DAYS	Num	8	BMH03C1 Approximate date surgery 3 - Days from enrollment
163	BMH03F1_DAYS	Num	8	BMH03F1 Approximate date surgery 6 - Days from enrollment
164	BMH03G1_DAYS	Num	8	BMH03G1 Approximate date surgery 7 - Days from enrollment
165	BMH03D1_MONTHS	Num	8	BMH03D1 Approximate date surgery 4 - Months from enrollment
166	BMH03E1_MONTHS	Num	8	BMH03E1 Approximate date surgery 5 - Months from enrollment

Data Set Name: r1_bpf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	BPF01	Char	1	BPF01 Right arm blood pressure
6	BPF02	Num	8	BPF02 Arm circumference
7	BPF03	Char	1	BPF03 Cuff size
8	BPF04	Num	8	BPF04 Respiration Rate
9	BPF05	Char	5	BPF05 Time first blood pressure taken
10	BPF05_AMPM	Char	1	BPF05_AMPM first bp measurement AM/PM
11	BPF05A	Num	8	BPF05A First Systolic
12	BPF05B	Num	8	BPF05B First Diastolic
13	BPF05C	Num	8	BPF05C First Heart Rate
14	BPF06	Char	5	BPF06 Time second blood pressure taken:
15	BPF06_AMPM	Char	1	BPF06_AMPM second BP measurement AM/PM
16	BPF06A	Num	8	BPF05A Second Systolic
17	BPF06B	Num	8	BPF05B Second Diastolic
18	BPF06C	Num	8	BPF05C Second Heart Rate
19	BPF07	Char	5	BPF07 Time third blood pressure taken:
20	BPF07_AMPM	Char	1	BPF07_AMPM third BP measurement AM/PM
21	BPF07A	Num	8	BPF05A Third Systolic
22	BPF07B	Num	8	BPF05B Third Diastolic
23	BPF07C	Num	8	BPF05C Third Heart Rate
24	BPF08A	Num	8	BPF08A Average Systolic
25	BPF08B	Num	8	BPF08B Average Diastolic
26	BPF08C	Num	8	BPF08C Average Heart Rate
27	VERSION	Char	21	Version
28	BPF0A_DAYS	Num	8	BPF0A Form Date - Days from enrollment

Data Set Name: r1_bsq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	BSQ01	Char	1	BSQ01 Snore
6	BSQ02	Num	8	BSQ02 Describe snore
7	BSQ03	Num	8	BSQ03 Snoring frequency
8	BSQ04	Char	1	BSQ04 Bothersome snoring
9	BSQ05	Num	8	BSQ05 Breathing during sleep
10	BSQ06	Char	1	BSQ06 Fatigue after sleep
11	BSQ07	Char	1	BSQ07 Fatigue during waking time
12	BSQ08	Char	1	BSQ08 Fatigue while driving
13	BSQ09	Char	1	BSQ09 Frequency of fatigue while driving
14	BSQ10	Char	1	BSQ10 High blood pressure
15	VERSION	Char	21	Version
16	BSQ_APNEARISK01	Char	5	Baseline Berlin Sleep apnea risk
17	BSQ0A_DAYS	Num	8	BSQ0A Form Date - Days from enrollment

Data Set Name: r1_cat_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	CAT01	Char	1	CAT01 Never cough
6	CAT02	Char	1	CAT02 No phlegm
7	CAT03	Char	1	CAT03 No chest tightness
8	CAT04	Char	1	CAT04 Not out of breath
9	CAT05	Char	1	CAT05 Not limited at home
10	CAT06	Char	1	CAT06 Confidence leaving home
11	CAT07	Char	1	CAT07 Sound sleeping
12	CAT08	Char	1	CAT08 Energy level
13	VERSION	Char	21	Version
14	CAT0A_DAYS	Num	8	CAT0A Form Date - Days from enrollment

Data Set Name: r1_ct_pi10_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	VISIT	Char	10	study visit
4	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime
5	SERIES_NAME	Char	26	Series name - (0008,103e) SeriesDescription
6	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime
7	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
8	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
9	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
10	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected)
11	QA_INCORRECTPROTOCOL	Char	5	Indicator that incorrect protocol was followed during CT scan
12	QA_METALARTIFACT	Char	5	Indicator of metal artifact in CT scan
13	QA_FIELDOFVIEWISSUES	Char	5	Indicator of field of view issues during CT scan
14	QA_MOTIONARTIFACT	Char	5	Indicator of motion artifact in CT scan
15	QA_MISSINGSLICES	Char	5	Indicator of missing slices in CT scan
16	QA_RADIATIONDOSEDEVIATION	Char	5	Indicator of incorrect radiation dose issues in CT scan
17	QA_OTHERS	Char	5	Indicator of other quality assurance issues in CT scan
18	PI10_LB1_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB1 path and subtree
19	PI10_LB1_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB1 path and subtree
20	PI10_LB10_PATH_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB10 path and subtree
21	PI10_LB10_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB10 path and subtree
22	PI10_LB4_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB4 path and subtree
23	PI10_LB4_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB4 path and subtree
24	PI10_RB1_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB1 path and subtree
25	PI10_RB1_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB1 path and subtree
26	PI10_RB10_PATH_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB10 path and subtree
27	PI10_RB10_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB10 path and subtree
28	PI10_RB4_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB4 path and subtree
29	PI10_RB4_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB4 path and subtree
30	PI10_WHOLE_TREE_ALL	Num	8	Pi10 value for all airways on whole airway tree
31	PI10_WHOLE_TREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on whole airway tree
32	PI10_LEFT_LUNG_ALL	Num	8	Pi10 value for all airways on left lung

Num	Variable	Type	Len	Label
33	PI10_LEFT_LUNG_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left lung
34	PI10_RIGHT_LUNG_ALL	Num	8	Pi10 value for all airways on right lung
35	PI10_RIGHT_LUNG_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right lung
36	PI10_LEFT_UPPER_LOBE_ALL	Num	8	Pi10 value for all airways on left upper lobe
37	PI10_LEFT_UPPER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left upper lobe
38	PI10_LEFT_LOWER_LOBE_ALL	Num	8	Pi10 value for all airways on left lower lobe
39	PI10_LEFT_LOWER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on left lower lobe
40	PI10_RIGHT_UPPER_LOBE_ALL	Num	8	Pi10 value for all airways on right upper lobe
41	PI10_RIGHT_UPPER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right upper lobe
42	PI10_RIGHT_MIDDLE_LOBE_ALL	Num	8	Pi10 value for all airways on right middle lobe
43	PI10_RIGHT_MIDDLE_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right middle lobe
44	PI10_RIGHT_LOWER_LOBE_ALL	Num	8	Pi10 value for all airways on right lower lobe
45	PI10_RIGHT_LOWER_LOBE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on right lower lobe
46	PI10_LB2_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB2 path and subtree
47	PI10_LB2_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB2 path and subtree
48	PI10_LB3_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB3 path and subtree
49	PI10_LB3_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB3 path and subtree
50	PI10_LB5_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB5 path and subtree
51	PI10_LB5_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB5 path and subtree
52	PI10_LB6_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB6 path and subtree
53	PI10_LB6_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB6 path and subtree
54	PI10_LB8_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB8 path and subtree
55	PI10_LB8_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB8 path and subtree
56	PI10_LB9_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on LB9 path and subtree
57	PI10_LB9_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on LB9 path and subtree
58	PI10_RB2_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB2 path and subtree
59	PI10_RB2_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB2 path and subtree
60	PI10_RB3_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB3 path and subtree
61	PI10_RB3_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB3 path and subtree
62	PI10_RB5_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB5 path and subtree

Num	Variable	Type	Len	Label
63	PI10_RB5_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB5 path and subtree
64	PI10_RB6_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB6 path and subtree
65	PI10_RB6_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB6 path and subtree
66	PI10_RB7_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB7 path and subtree
67	PI10_RB7_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB7 path and subtree
68	PI10_RB8_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB8 path and subtree
69	PI10_RB8_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB8 path and subtree
70	PI10_RB9_PATH_AND_SUBTREE_ALL	Num	8	Pi10 value for all airways on RB9 path and subtree
71	PI10_RB9_PATH_SUBTREE_LEQ20	Num	8	Pi10 value for airways with an inner perimeter <= 20mm on RB9 path and subtree
72	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
73	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment

Data Set Name: r1_ct_rv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	VISIT	Char	10	Study visit
4	STUDY_TIME	Char	8	Time of scan - (0008,0030) StudyTime
5	SERIES_NAME	Char	25	Series name - (0008,103e) SeriesDescription
6	SERIES_TIME	Char	8	Time the series was reconstructed - (0008,0031) SeriesTime
7	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
8	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
9	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
10	MA	Num	8	X-ray tube current
11	PIXEL_SPACING	Num	8	Pixel size
12	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected) at Residual Volume (RV)
13	BOTH_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for both lungs at Residual Volume (RV)
14	BOTH_PCT_BE_950	Num	8	Both lungs: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
15	BOTH_PCT_BE_910	Num	8	Both lungs: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
16	BOTH_PCT_BE_856	Num	8	Both lungs: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
17	BOTH_PCT_AE_0	Num	8	Both lungs: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
18	BOTH_MEAN	Num	8	Both lungs: Mean lung density at Residual Volume (RV)
19	BOTH_SD	Num	8	Both lungs: Standard deviation of mean lung density at Residual Volume (RV)
20	BOTH_SKEW	Num	8	Both lungs: Skewness of lung density histogram at Residual Volume (RV)
21	BOTH_KURT	Num	8	Both lungs: Kurtosis of lung density histogram at Residual Volume (RV)
22	BOTH_AIR_V	Num	8	Both lungs: Total air volume at Residual Volume (RV)
23	BOTH_TIS_V	Num	8	Both lungs: Total tissue volume at Residual Volume (RV)
24	BOTH_TOT_V	Num	8	Both lungs: Total volume at Residual Volume (RV)
25	BOTH_HU15	Num	8	Both lungs: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
26	LEFT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lung at Residual Volume (RV)
27	LEFT_PCT_BE_950	Num	8	Left lung: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
28	LEFT_PCT_BE_910	Num	8	Left lung: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
29	LEFT_PCT_BE_856	Num	8	Left lung: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)

Num	Variable	Type	Len	Label
30	LEFT_PCT_AE_0	Num	8	Left lung: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
31	LEFT_MEAN	Num	8	Left lung: Mean lung density at Residual Volume (RV)
32	LEFT_SD	Num	8	Left lung: Standard deviation of mean lung density at Residual Volume (RV)
33	LEFT_SKEW	Num	8	Left lung: Skewness of lung density histogram at Residual Volume (RV)
34	LEFT_KURT	Num	8	Left lung: Kurtosis of lung density histogram at Residual Volume (RV)
35	LEFT_AIR_V	Num	8	Left lung: Total air volume at Residual Volume (RV)
36	LEFT_TIS_V	Num	8	Left lung: Total tissue volume at Residual Volume (RV)
37	LEFT_TOT_V	Num	8	Left lung: Total volume at Residual Volume (RV)
38	LEFT_HU15	Num	8	Left lung: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
39	RIGHT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lung at Residual Volume (RV)
40	RIGHT_PCT_BE_950	Num	8	Right lung: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
41	RIGHT_PCT_BE_910	Num	8	Right lung: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
42	RIGHT_PCT_BE_856	Num	8	Right lung: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
43	RIGHT_PCT_AE_0	Num	8	Right lung: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
44	RIGHT_MEAN	Num	8	Right lung: Mean lung density at Residual Volume (RV)
45	RIGHT_SD	Num	8	Right lung: Standard deviation of mean lung density at Residual Volume (RV)
46	RIGHT_SKEW	Num	8	Right lung: Skewness of lung density histogram at Residual Volume (RV)
47	RIGHT_KURT	Num	8	Right lung: Kurtosis of lung density histogram at Residual Volume (RV)
48	RIGHT_AIR_V	Num	8	Right lung: Total air volume at Residual Volume (RV)
49	RIGHT_TIS_V	Num	8	Right lung: Total tissue volume at Residual Volume (RV)
50	RIGHT_TOT_V	Num	8	Right lung: Total volume at Residual Volume (RV)
51	RIGHT_HU15	Num	8	Right lung: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
52	TLL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLL lung at Residual Volume (RV)
53	TLL_PCT_BE_950	Num	8	Left lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
54	TLL_PCT_BE_910	Num	8	Left lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
55	TLL_PCT_BE_856	Num	8	Left lower third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
56	TLL_PCT_AE_0	Num	8	Left lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
57	TLL_MEAN	Num	8	Left lower third: Mean lung density at Residual Volume (RV)
58	TLL_SD	Num	8	Left lower third: Standard deviation of mean lung density at Residual Volume (RV)
59	TLL_SKEW	Num	8	Left lower third: Skewness of lung density histogram at Residual Volume (RV)

Num	Variable	Type	Len	Label
60	TLL_KURT	Num	8	Left lower third: Kurtosis of lung density histogram at Residual Volume (RV)
61	TLL_AIR_V	Num	8	Left lower third: Total air volume at Residual Volume (RV)
62	TLL_TIS_V	Num	8	Left lower third: Total tissue volume at Residual Volume (RV)
63	TLL_TOT_V	Num	8	Left lower third: Total volume at Residual Volume (RV)
64	TLL_HU15	Num	8	Left lower third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
65	TLM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLM lung at Residual Volume (RV)
66	TLM_PCT_BE_950	Num	8	Left middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
67	TLM_PCT_BE_910	Num	8	Left middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
68	TLM_PCT_BE_856	Num	8	Left middle third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
69	TLM_PCT_AE_0	Num	8	Left middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
70	TLM_MEAN	Num	8	Left middle third: Mean lung density at Residual Volume (RV)
71	TLM_SD	Num	8	Left middle third: Standard deviation of mean lung density at Residual Volume (RV)
72	TLM_SKEW	Num	8	Left middle third: Skewness of lung density histogram at Residual Volume (RV)
73	TLM_KURT	Num	8	Left middle third: Kurtosis of lung density histogram at Residual Volume (RV)
74	TLM_AIR_V	Num	8	Left middle third: Total air volume at Residual Volume (RV)
75	TLM_TIS_V	Num	8	Left middle third: Total tissue volume at Residual Volume (RV)
76	TLM_TOT_V	Num	8	Left middle third: Total volume at Residual Volume (RV)
77	TLM_HU15	Num	8	Left middle third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
78	TLU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLU lung at Residual Volume (RV)
79	TLU_PCT_BE_950	Num	8	Left upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
80	TLU_PCT_BE_910	Num	8	Left upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
81	TLU_PCT_BE_856	Num	8	Left upper third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
82	TLU_PCT_AE_0	Num	8	Left upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
83	TLU_MEAN	Num	8	Left upper third: Mean lung density at Residual Volume (RV)
84	TLU_SD	Num	8	Left upper third: Standard deviation of mean lung density at Residual Volume (RV)
85	TLU_SKEW	Num	8	Left upper third: Skewness of lung density histogram at Residual Volume (RV)
86	TLU_KURT	Num	8	Left upper third: Kurtosis of lung density histogram at Residual Volume (RV)
87	TLU_AIR_V	Num	8	Left upper third: Total air volume at Residual Volume (RV)
88	TLU_TIS_V	Num	8	Left upper third: Total tissue volume at Residual Volume (RV)

Num	Variable	Type	Len	Label
89	TLU_TOT_V	Num	8	Left upper third: Total volume at Residual Volume (RV)
90	TLU_HU15	Num	8	Left upper third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
91	TRL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRL lung at Residual Volume (RV)
92	TRL_PCT_BE_950	Num	8	Right lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
93	TRL_PCT_BE_910	Num	8	Right lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
94	TRL_PCT_BE_856	Num	8	Right lower third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
95	TRL_PCT_AE_0	Num	8	Right lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
96	TRL_MEAN	Num	8	Right lower third: Mean lung density at Residual Volume (RV)
97	TRL_SD	Num	8	Right lower third: Standard deviation of mean lung density at Residual Volume (RV)
98	TRL_SKEW	Num	8	Right lower third: Skewness of lung density histogram at Residual Volume (RV)
99	TRL_KURT	Num	8	Right lower third: Kurtosis of lung density histogram at Residual Volume (RV)
100	TRL_AIR_V	Num	8	Right lower third: Total air volume at Residual Volume (RV)
101	TRL_TIS_V	Num	8	Right lower third: Total tissue volume at Residual Volume (RV)
102	TRL_TOT_V	Num	8	Right lower third: Total volume at Residual Volume (RV)
103	TRL_HU15	Num	8	Right lower third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
104	TRM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRM lung at Residual Volume (RV)
105	TRM_PCT_BE_950	Num	8	Right middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
106	TRM_PCT_BE_910	Num	8	Right middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
107	TRM_PCT_BE_856	Num	8	Right middle third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
108	TRM_PCT_AE_0	Num	8	Right middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
109	TRM_MEAN	Num	8	Right middle third: Mean lung density at Residual Volume (RV)
110	TRM_SD	Num	8	Right middle third: Standard deviation of mean lung density at Residual Volume (RV)
111	TRM_SKEW	Num	8	Right middle third: Skewness of lung density histogram at Residual Volume (RV)
112	TRM_KURT	Num	8	Right middle third: Kurtosis of lung density histogram at Residual Volume (RV)
113	TRM_AIR_V	Num	8	Right middle third: Total air volume at Residual Volume (RV)
114	TRM_TIS_V	Num	8	Right middle third: Total tissue volume at Residual Volume (RV)
115	TRM_TOT_V	Num	8	Right middle third: Total volume at Residual Volume (RV)

Num	Variable	Type	Len	Label
116	TRM_HU15	Num	8	Right middle third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
117	TRU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRU lung at Residual Volume (RV)
118	TRU_PCT_BE_950	Num	8	Right upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Residual Volume (RV)
119	TRU_PCT_BE_910	Num	8	Right upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Residual Volume (RV)
120	TRU_PCT_BE_856	Num	8	Right upper third: Percentage of low attenuation area below and -856 Hounsfield units at Residual Volume (RV)
121	TRU_PCT_AE_0	Num	8	Right upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Residual Volume (RV)
122	TRU_MEAN	Num	8	Right upper third: Mean lung density at Residual Volume (RV)
123	TRU_SD	Num	8	Right upper third: Standard deviation of mean lung density at Residual Volume (RV)
124	TRU_SKEW	Num	8	Right upper third: Skewness of lung density histogram at Residual Volume (RV)
125	TRU_KURT	Num	8	Right upper third: Kurtosis of lung density histogram at Residual Volume (RV)
126	TRU_AIR_V	Num	8	Right upper third: Total air volume at Residual Volume (RV)
127	TRU_TIS_V	Num	8	Right upper third: Total tissue volume at Residual Volume (RV)
128	TRU_TOT_V	Num	8	Right upper third: Total volume at Residual Volume (RV)
129	TRU_HU15	Num	8	Right upper third: Location of the lowest 15% Hounsfield unit at Residual Volume (RV)
130	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
131	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment

Data Set Name: r1_ct_tlc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	VISIT	Char	10	Study visit
4	STUDY_TIME	Num	8	Time of scan - (0008,0030) StudyTime
5	SERIES_NAME	Char	26	Series name - (0008,103e) SeriesDescription
6	SERIES_TIME	Num	8	Time the series was reconstructed - (0008,0031) SeriesTime
7	MANUFACTURER	Char	18	Manufacturer of scanner - (0008,0070) Manufacturer
8	MODEL	Char	24	Model of scanner - (0008,1090) ManufacturersModelName
9	KERNEL	Char	8	Convolution kernel used when reconstructing this scan - (0018,1210) ConvolutionKernel
10	MA	Num	8	X-ray tube current
11	PIXEL_SPACING	Num	8	pixel size
12	ANALYSIS_STATUS	Char	12	Indicator of analysis status of CT scan (passed, problem scan, or rejected) at Total Lung Capacity (TLC)
13	QA_INCORRECTPROTOCOL	Char	5	Indicator that incorrect protocol was followed during CT scan at Total Lung Capacity (TLC)
14	QA_METALARTIFACT	Char	5	Indicator of metal artifact in CT scan at Total Lung Capacity (TLC)
15	QA_FIELDOFVIEWISSUES	Char	5	Indicator of field of view issues during CT scan at Total Lung Capacity (TLC)
16	QA_MOTIONARTIFACT	Char	5	Indicator of motion artifact in CT scan at Total Lung Capacity (TLC)
17	QA_MISSINGSLICES	Char	5	Indicator of missing slices in CT scan at Total Lung Capacity (TLC)
18	QA_RADIATIONDOSEDEVIATION	Char	5	Indicator of incorrect radiation dose issues in CT scan at Total Lung Capacity (TLC)
19	QA_OTHERS	Char	5	Indicator of other quality assurance issues in CT scan at Total Lung Capacity (TLC)
20	BOTH_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for both lungs at Total Lung Capacity (TLC)
21	BOTH_PCT_BE_950	Num	8	Both lungs: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
22	BOTH_PCT_BE_910	Num	8	Both lungs: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
23	BOTH_PCT_BE_856	Num	8	Both lungs: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
24	BOTH_PCT_AE_0	Num	8	Both lungs: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
25	BOTH_MEAN	Num	8	Both lungs: Mean lung density at Total Lung Capacity (TLC)
26	BOTH_SD	Num	8	Both lungs: Standard deviation of mean lung density at Total Lung Capacity (TLC)
27	BOTH_SKEW	Num	8	Both lungs: Skewness of lung density histogram at Total Lung Capacity (TLC)
28	BOTH_KURT	Num	8	Both lungs: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
29	BOTH_AIR_V	Num	8	Both lungs: Total air volume at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
30	BOTH_TIS_V	Num	8	Both lungs: Total tissue volume at Total Lung Capacity (TLC)
31	BOTH_TOT_V	Num	8	Both lungs: Total volume at Total Lung Capacity (TLC)
32	BOTH_HU15	Num	8	Both lungs: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
33	LEFT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for left lung at Total Lung Capacity (TLC)
34	LEFT_PCT_BE_950	Num	8	Left lung: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
35	LEFT_PCT_BE_910	Num	8	Left lung: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
36	LEFT_PCT_BE_856	Num	8	Left lung: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
37	LEFT_PCT_AE_0	Num	8	Left lung: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
38	LEFT_MEAN	Num	8	Left lung: Mean lung density at Total Lung Capacity (TLC)
39	LEFT_SD	Num	8	Left lung: Standard deviation of mean lung density at Total Lung Capacity (TLC)
40	LEFT_SKEW	Num	8	Left lung: Skewness of lung density histogram at Total Lung Capacity (TLC)
41	LEFT_KURT	Num	8	Left lung: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
42	LEFT_AIR_V	Num	8	Left lung: Total air volume at Total Lung Capacity (TLC)
43	LEFT_TIS_V	Num	8	Left lung: Total tissue volume at Total Lung Capacity (TLC)
44	LEFT_TOT_V	Num	8	Left lung: Total volume at Total Lung Capacity (TLC)
45	LEFT_HU15	Num	8	Left lung: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
46	LL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for LL lung at Total Lung Capacity (TLC)
47	LL_PCT_BE_950	Num	8	Left lower lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
48	LL_PCT_BE_910	Num	8	Left lower lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
49	LL_PCT_BE_856	Num	8	Left lower lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
50	LL_PCT_AE_0	Num	8	Left lower lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
51	LL_MEAN	Num	8	Left lower lobe: Mean lung density at Total Lung Capacity (TLC)
52	LL_SD	Num	8	Left lower lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
53	LL_SKEW	Num	8	Left lower lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
54	LL_KURT	Num	8	Left lower lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
55	LL_AIR_V	Num	8	Left lower lobe: Total air volume at Total Lung Capacity (TLC)
56	LL_TIS_V	Num	8	Left lower lobe: Total tissue volume at Total Lung Capacity (TLC)
57	LL_TOT_V	Num	8	Left lower lobe: Total volume at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
58	LL_HU15	Num	8	Left lower lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
59	LU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for LU lung at Total Lung Capacity (TLC)
60	LU_PCT_BE_950	Num	8	Left upper lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
61	LU_PCT_BE_910	Num	8	Left upper lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
62	LU_PCT_BE_856	Num	8	Left upper lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
63	LU_PCT_AE_0	Num	8	Left upper lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
64	LU_MEAN	Num	8	Left upper lobe: Mean lung density at Total Lung Capacity (TLC)
65	LU_SD	Num	8	Left upper lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
66	LU_SKEW	Num	8	Left upper lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
67	LU_KURT	Num	8	Left upper lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
68	LU_AIR_V	Num	8	Left upper lobe: Total air volume at Total Lung Capacity (TLC)
69	LU_TIS_V	Num	8	Left upper lobe: Total tissue volume at Total Lung Capacity (TLC)
70	LU_TOT_V	Num	8	Left upper lobe: Total volume at Total Lung Capacity (TLC)
71	LU_HU15	Num	8	Left upper lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
72	RIGHT_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for right lung at Total Lung Capacity (TLC)
73	RIGHT_PCT_BE_950	Num	8	Right lung: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
74	RIGHT_PCT_BE_910	Num	8	Right lung: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
75	RIGHT_PCT_BE_856	Num	8	Right lung: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
76	RIGHT_PCT_AE_0	Num	8	Right lung: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
77	RIGHT_MEAN	Num	8	Right lung: Mean lung density at Total Lung Capacity (TLC)
78	RIGHT_SD	Num	8	Right lung: Standard deviation of mean lung density at Total Lung Capacity (TLC)
79	RIGHT_SKEW	Num	8	Right lung: Skewness of lung density histogram at Total Lung Capacity (TLC)
80	RIGHT_KURT	Num	8	Right lung: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
81	RIGHT_AIR_V	Num	8	Right lung: Total air volume at Total Lung Capacity (TLC)
82	RIGHT_TIS_V	Num	8	Right lung: Total tissue volume at Total Lung Capacity (TLC)
83	RIGHT_TOT_V	Num	8	Right lung: Total volume at Total Lung Capacity (TLC)
84	RIGHT_HU15	Num	8	Right lung: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
85	RL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RL lung at Total Lung Capacity (TLC)
86	RL_PCT_BE_950	Num	8	Right lower lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
87	RL_PCT_BE_910	Num	8	Right lower lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
88	RL_PCT_BE_856	Num	8	Right lower lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
89	RL_PCT_AE_0	Num	8	Right lower lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
90	RL_MEAN	Num	8	Right lower lobe: Mean lung density at Total Lung Capacity (TLC)
91	RL_SD	Num	8	Right lower lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
92	RL_SKEW	Num	8	Right lower lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
93	RL_KURT	Num	8	Right lower lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
94	RL_AIR_V	Num	8	Right lower lobe: Total air volume at Total Lung Capacity (TLC)
95	RL_TIS_V	Num	8	Right lower lobe: Total tissue volume at Total Lung Capacity (TLC)
96	RL_TOT_V	Num	8	Right lower lobe: Total volume at Total Lung Capacity (TLC)
97	RL_HU15	Num	8	Right lower lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
98	RM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RM lung at Total Lung Capacity (TLC)
99	RM_PCT_BE_950	Num	8	Right middle lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
100	RM_PCT_BE_910	Num	8	Right middle lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
101	RM_PCT_BE_856	Num	8	Right middle lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
102	RM_PCT_AE_0	Num	8	Right middle lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
103	RM_MEAN	Num	8	Right middle lobe: Mean lung density at Total Lung Capacity (TLC)
104	RM_SD	Num	8	Right middle lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
105	RM_SKEW	Num	8	Right middle lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
106	RM_KURT	Num	8	Right middle lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
107	RM_AIR_V	Num	8	Right middle lobe: Total air volume at Total Lung Capacity (TLC)
108	RM_TIS_V	Num	8	Right middle lobe: Total tissue volume at Total Lung Capacity (TLC)
109	RM_TOT_V	Num	8	Right middle lobe: Total volume at Total Lung Capacity (TLC)
110	RM_HU15	Num	8	Right middle lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
111	RU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for RU lung at Total Lung Capacity (TLC)
112	RU_PCT_BE_950	Num	8	Right upper lobe: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
113	RU_PCT_BE_910	Num	8	Right upper lobe: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
114	RU_PCT_BE_856	Num	8	Right upper lobe: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
115	RU_PCT_AE_0	Num	8	Right upper lobe: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
116	RU_MEAN	Num	8	Right upper lobe: Mean lung density at Total Lung Capacity (TLC)
117	RU_SD	Num	8	Right upper lobe: Standard deviation of mean lung density at Total Lung Capacity (TLC)
118	RU_SKEW	Num	8	Right upper lobe: Skewness of lung density histogram at Total Lung Capacity (TLC)
119	RU_KURT	Num	8	Right upper lobe: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
120	RU_AIR_V	Num	8	Right upper lobe: Total air volume at Total Lung Capacity (TLC)
121	RU_TIS_V	Num	8	Right upper lobe: Total tissue volume at Total Lung Capacity (TLC)
122	RU_TOT_V	Num	8	Right upper lobe: Total volume at Total Lung Capacity (TLC)
123	RU_HU15	Num	8	Right upper lobe: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
124	TLL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLL lung at Total Lung Capacity (TLC)
125	TLL_PCT_BE_950	Num	8	Left lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
126	TLL_PCT_BE_910	Num	8	Left lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
127	TLL_PCT_BE_856	Num	8	Left lower third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
128	TLL_PCT_AE_0	Num	8	Left lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
129	TLL_MEAN	Num	8	Left lower third: Mean lung density at Total Lung Capacity (TLC)
130	TLL_SD	Num	8	Left lower third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
131	TLL_SKEW	Num	8	Left lower third: Skewness of lung density histogram at Total Lung Capacity (TLC)
132	TLL_KURT	Num	8	Left lower third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
133	TLL_AIR_V	Num	8	Left lower third: Total air volume at Total Lung Capacity (TLC)
134	TLL_TIS_V	Num	8	Left lower third: Total tissue volume at Total Lung Capacity (TLC)
135	TLL_TOT_V	Num	8	Left lower third: Total volume at Total Lung Capacity (TLC)
136	TLL_HU15	Num	8	Left lower third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
137	TLM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLM lung at Total Lung Capacity (TLC)
138	TLM_PCT_BE_950	Num	8	Left middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
139	TLM_PCT_BE_910	Num	8	Left middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
140	TLM_PCT_BE_856	Num	8	Left middle third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
141	TLM_PCT_AE_0	Num	8	Left middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
142	TLM_MEAN	Num	8	Left middle third: Mean lung density at Total Lung Capacity (TLC)
143	TLM_SD	Num	8	Left middle third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
144	TLM_SKEW	Num	8	Left middle third: Skewness of lung density histogram at Total Lung Capacity (TLC)
145	TLM_KURT	Num	8	Left middle third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
146	TLM_AIR_V	Num	8	Left middle third: Total air volume at Total Lung Capacity (TLC)
147	TLM_TIS_V	Num	8	Left middle third: Total tissue volume at Total Lung Capacity (TLC)
148	TLM_TOT_V	Num	8	Left middle third: Total volume at Total Lung Capacity (TLC)
149	TLM_HU15	Num	8	Left middle third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
150	TLU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TLU lung at Total Lung Capacity (TLC)
151	TLU_PCT_BE_950	Num	8	Left upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
152	TLU_PCT_BE_910	Num	8	Left upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
153	TLU_PCT_BE_856	Num	8	Left upper third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
154	TLU_PCT_AE_0	Num	8	Left upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
155	TLU_MEAN	Num	8	Left upper third: Mean lung density at Total Lung Capacity (TLC)
156	TLU_SD	Num	8	Left upper third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
157	TLU_SKEW	Num	8	Left upper third: Skewness of lung density histogram at Total Lung Capacity (TLC)
158	TLU_KURT	Num	8	Left upper third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
159	TLU_AIR_V	Num	8	Left upper third: Total air volume at Total Lung Capacity (TLC)
160	TLU_TIS_V	Num	8	Left upper third: Total tissue volume at Total Lung Capacity (TLC)
161	TLU_TOT_V	Num	8	Left upper third: Total volume at Total Lung Capacity (TLC)
162	TLU_HU15	Num	8	Left upper third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
163	TRL_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRL lung at Total Lung Capacity (TLC)
164	TRL_PCT_BE_950	Num	8	Right lower third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
165	TRL_PCT_BE_910	Num	8	Right lower third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
166	TRL_PCT_BE_856	Num	8	Right lower third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
167	TRL_PCT_AE_0	Num	8	Right lower third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
168	TRL_MEAN	Num	8	Right lower third: Mean lung density at Total Lung Capacity (TLC)
169	TRL_SD	Num	8	Right lower third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
170	TRL_SKEW	Num	8	Right lower third: Skewness of lung density histogram at Total Lung Capacity (TLC)
171	TRL_KURT	Num	8	Right lower third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
172	TRL_AIR_V	Num	8	Right lower third: Total air volume at Total Lung Capacity (TLC)
173	TRL_TIS_V	Num	8	Right lower third: Total tissue volume at Total Lung Capacity (TLC)
174	TRL_TOT_V	Num	8	Right lower third: Total volume at Total Lung Capacity (TLC)
175	TRL_HU15	Num	8	Right lower third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
176	TRM_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRM lung at Total Lung Capacity (TLC)
177	TRM_PCT_BE_950	Num	8	Right middle third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
178	TRM_PCT_BE_910	Num	8	Right middle third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
179	TRM_PCT_BE_856	Num	8	Right middle third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
180	TRM_PCT_AE_0	Num	8	Right middle third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
181	TRM_MEAN	Num	8	Right middle third: Mean lung density at Total Lung Capacity (TLC)
182	TRM_SD	Num	8	Right middle third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
183	TRM_SKEW	Num	8	Right middle third: Skewness of lung density histogram at Total Lung Capacity (TLC)
184	TRM_KURT	Num	8	Right middle third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
185	TRM_AIR_V	Num	8	Right middle third: Total air volume at Total Lung Capacity (TLC)
186	TRM_TIS_V	Num	8	Right middle third: Total tissue volume at Total Lung Capacity (TLC)
187	TRM_TOT_V	Num	8	Right middle third: Total volume at Total Lung Capacity (TLC)
188	TRM_HU15	Num	8	Right middle third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
189	TRU_ACCEPTED_UNRELIABLE	Char	14	Indicator of reliability of CT scan data for TRU lung at Total Lung Capacity (TLC)
190	TRU_PCT_BE_950	Num	8	Right upper third: Percentage of low attenuation area below and including -950 Hounsfield units at Total Lung Capacity (TLC)
191	TRU_PCT_BE_910	Num	8	Right upper third: Percentage of low attenuation area below and including -910 Hounsfield units at Total Lung Capacity (TLC)
192	TRU_PCT_BE_856	Num	8	Right upper third: Percentage of low attenuation area below and -856 Hounsfield units at Total Lung Capacity (TLC)
193	TRU_PCT_AE_0	Num	8	Right upper third: Percentage of low attenuation area above and including 0 Hounsfield units at Total Lung Capacity (TLC)
194	TRU_MEAN	Num	8	Right upper third: Mean lung density at Total Lung Capacity (TLC)
195	TRU_SD	Num	8	Right upper third: Standard deviation of mean lung density at Total Lung Capacity (TLC)
196	TRU_SKEW	Num	8	Right upper third: Skewness of lung density histogram at Total Lung Capacity (TLC)
197	TRU_KURT	Num	8	Right upper third: Kurtosis of lung density histogram at Total Lung Capacity (TLC)
198	TRU_AIR_V	Num	8	Right upper third: Total air volume at Total Lung Capacity (TLC)
199	TRU_TIS_V	Num	8	Right upper third: Total tissue volume at Total Lung Capacity (TLC)
200	TRU_TOT_V	Num	8	Right upper third: Total volume at Total Lung Capacity (TLC)
201	TRU_HU15	Num	8	Right upper third: Location of the lowest 15% Hounsfield unit at Total Lung Capacity (TLC)
202	LEFT_PCT_ABV_600	Num	8	Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
203	LEFT_PCT_ABV_650	Num	8	Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
204	RIGHT_PCT_ABV_600	Num	8	right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
205	RIGHT_PCT_ABV_650	Num	8	right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
206	BOTH_PCT_ABV_600	Num	8	Both lungs: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
207	BOTH_PCT_ABV_650	Num	8	Both lungs: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
208	LU_PCT_ABV_600	Num	8	Upper Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
209	LU_PCT_ABV_650	Num	8	Upper Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
210	LL_PCT_ABV_600	Num	8	Lower Left lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
211	LL_PCT_ABV_650	Num	8	Lower Left lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
212	RU_PCT_ABV_600	Num	8	Upper right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
213	RU_PCT_ABV_650	Num	8	Upper right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)

Num	Variable	Type	Len	Label
214	RM_PCT_ABV_600	Num	8	Middle right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
215	RM_PCT_ABV_650	Num	8	Middle right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
216	RL_PCT_ABV_600	Num	8	Lower right lung: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
217	RL_PCT_ABV_650	Num	8	Lower right lung: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
218	TLU_PCT_ABV_600	Num	8	Left upper third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
219	TLU_PCT_ABV_650	Num	8	Left upper third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
220	TLM_PCT_ABV_600	Num	8	Left middle third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
221	TLM_PCT_ABV_650	Num	8	Left middle third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
222	TLL_PCT_ABV_600	Num	8	Left lower third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
223	TLL_PCT_ABV_650	Num	8	Left lower third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
224	TRU_PCT_ABV_600	Num	8	right upper third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
225	TRU_PCT_ABV_650	Num	8	right upper third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
226	TRM_PCT_ABV_600	Num	8	right middle third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
227	TRM_PCT_ABV_650	Num	8	right middle third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
228	TRL_PCT_ABV_600	Num	8	right lower third: Percentage of low attenuation area above 600 Hounsfield units at Total Lung Capacity (TLC)
229	TRL_PCT_ABV_650	Num	8	right lower third: Percentage of low attenuation area above 650 Hounsfield units at Total Lung Capacity (TLC)
230	PCT_EMPHYSEMA	Num	8	Percentage of emphysema in the lung based on -950 Hounsfield units
231	STUDY_DATE_DAYS	Num	8	Date of scan - Days from enrollment
232	SERIES_DATE_DAYS	Num	8	Date the series was reconstructed - Days from enrollment

Data Set Name: r1_dem_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	DEM01A	Num	8	DEM01A Age
6	DEM02	Char	2	DEM02 Highest grade completed
7	DEM03	Char	1	DEM03 Marital status
8	DEM04	Char	1	DEM04 Total yearly household income
9	VERSION	Char	21	Version
10	DEM0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_derv_cbc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	CBC03_DERV	Num	8	3) Total red blood cells
6	CBC04_DERV	Num	8	4) Hemoglobin
7	CBC05_DERV	Num	8	5) Hemacrit
8	CBC06_DERV	Num	8	6) Mean corpuscular volume
9	CBC07_DERV	Num	8	7) Red blood cell distribution width
10	CBC08_DERV	Num	8	8) Total white blood cells
11	CBC09_DERV	Num	8	9) Neutrophil granulocyte
12	CBC10_DERV	Num	8	10) Lymphocytes
13	CBC11_DERV	Num	8	11) Monocytes
14	CBC12_DERV	Num	8	12) Eosinophil granuloctyes
15	CBC13_DERV	Num	8	13) Basophil granuloctyes
16	CBC14_DERV	Num	8	14) Platelet Count
17	CBC15_DERV	Num	8	15) Mean Platelet Volume
18	CBC09A_DERV	Num	8	9a) Neutrophil granulocyte %
19	CBC10A_DERV	Num	8	10a) Lymphocyte %
20	CBC11A_DERV	Num	8	11a) Monocyte %
21	CBC12A_DERV	Num	8	12a) Eosinophil granuloctye %
22	CBC13A_DERV	Num	8	13a) Basophil granuloctye %
23	VERSION	Char	21	Version
24	CBC0A_DERV_DAYS	Num	8	Form Date - Days from enrollment
25	CBC01_DERV_DAYS	Num	8	Date Blood Submitted to Lab - Days from enrollment
26	CBC02_DERV_DAYS	Num	8	Date Results Received - Days from enrollment

Data Set Name: r1_derv_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	BMI_AUX_CM01	Num	8	BMI (computed by SC from metric units) (from ANT02,ANT03) at baseline
4	HT_CM01	Num	8	Height (cm) (ANT02) at baseline
5	WT_KG01	Num	8	Weight (kg) (ANT03) at baseline
6	BMI_AUX_IN01	Num	8	BMI (computed by SC from imperial units) (from IEC05a,b at BASELINE)
7	GENDER	Num	8	Gender (1=Male,2=Female) (IEC04)
8	WT_LB01	Num	8	Weight (lb) (IEC05b)
9	AGE01	Num	8	Age at Baseline (years) (DEM01a)
10	ETHNICITY	Num	8	Ethnicity (1=Hispanic,0=Non-hispanic) (DEM05 or DEM05a)
11	RACE	Num	8	Race (1=White,2-Black,3-Asian,4-Amer.Ind. or Pacif.Isl.,6-Mixed,7-Missing) (from DEM06a-e)
12	AGE_DERV_01	Num	8	Age in years at baseline based on date of birth and date of enrollment
13	AGECAT_BY05	Num	8	Age at Baseline in 5 year groupings (1=40-<45, 2=45-<50, 3=50-<55,4=55-<60, 5=60-<65,6=65-<70, 7=70-<75, 8=75,<80)
14	AGECAT_BY10	Num	8	Age at Baseline in 10 year groupings (1=40-<50, 2=50-<60, 3=60-<70, 4=70-<80)
15	PRED_FEV1_V1	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height) at bestline
16	PRED_FVC_V1	Num	8	Predicted FVC (computed based on gender, race/ethnicity, age, and height) at bestline
17	PRED_FEF2575_V1	Num	8	Predicted FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at bestline
18	PRED_PEFR_V1	Num	8	Predicted PEF rate (Computed based on gender, race/ethnicity, rage, and height) at bestline
19	PRED_FEV1FVC_V1	Num	8	Predicted FEV1FVC (computed based on gender, race/ethnicity, age, and height) at bestline
20	PCT_PRE_FEV1_V1	Num	8	Percentage of observed prebronchodilator FEV1 out of predicted FEV1 (100*(sfv45_Derv/pred_FEV1_V1)) at bestline
21	PCT_PRE_FVC_V1	Num	8	Percentage of observed prebronchodilator FVC out of predicted FVC (100*(sfv40_Derv/pred_FVC_V1)) at bestline
22	PCT_PRE_FEV1FVC_V1	Num	8	Percentage of observed prebronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*pre_FEV1FVC_DERV/pred_FEV1FVC_V1)) at bestline
23	PCT_PRE_PEFR_V1	Num	8	Percentage of observed prebronchodilator PEFR out of predicted PEFR (100*(sfv62_Derv/pred_PEFR_V1)) at bestline
24	PCT_PRE_SVC_V1	Num	8	Percentage of observed prebronchodilator SVC out of predicted FVC (100*(ssv33_Derv/pred_FVC_V1)) at bestline
25	PCT_PRE_FEF2575_V1	Num	8	Percentage of observed prebronchodilator FEF2575 out of predicted FEF2575 (100*(sfv53_Derv/pred_FEF2575_V1)) at bestline

Num	Variable	Type	Len	Label
26	PCT_POST_FEV1_V1	Num	8	Percentage of observed postbronchodilator FEV1 out of predicted FEV1 (100*(pfv45_Derv/pred_FEV1_V1)) at bestline
27	PCT_POST_FVC_V1	Num	8	Percentage of observed postbronchodilator FVC out of predicted FVC (100*(pfv40_Derv/pred_FVC_V1)) at bestline
28	PCT_POST_FEV1FVC_V1	Num	8	Percentage of observed postbronchodilator FEV1FVC out of predicted FEV1FVC (100*(100*post_FEV1FVC_DERV/pred_FEV1FVC_V1)) at bestline
29	PCT_POST_PEFR_V1	Num	8	Percentage of observed postbronchodilator PEFR out of predicted PEFR (100*(pfv62_Derv/pred_PEFR_V1)) at bestline
30	PCT_POST_SVC_V1	Num	8	Percentage of observed postbronchodilator SVC out of predicted FVC (100*(psv33_Derv/pred_FVC_V1)) at bestline
31	PCT_POST_FEF2575_V1	Num	8	Percentage of observed postbronchodilator FEF2575 out of predicted FEF2575 (100*(pfv53_Derv/pred_FEF2575_V1)) at bestline
32	LLN_FEV1_FVC_V1	Num	8	LLN for FEV1/FVC (%) (computed based on gender, race/ethnicity, age, and height) at bestline
33	LLN_FEV1_V1	Num	8	LLN for FEV1 (computed based on gender, race/ethnicity, age, and height) at bestline
34	LLN_FVC_V1	Num	8	LLN for FVC (computed based on gender, race/ethnicity, age, and height) at bestline
35	LLN_FEF2575_V1	Num	8	LLN for FEF25%-75% (Computed based on gender, race/ethnicity, rage, and height) at bestline
36	PRED_FEV1	Num	8	Predicted FEV1 (computed based on gender, race/ethnicity, age, and height)
37	GOLD_STAGE_COPD_SEVERITY	Num	8	GOLD Stage of COPD Severity
38	ELIGIBLE	Num	8	IE Eligible and non-missing Stratum and excluding Not_to_be_stratified (1=Yes,0=No)
39	STRATUM	Num	8	Enrollment stratum for SPIROMICS
40	SIX_MINUTE_WALK_DISTANCE01	Num	8	Six Minute Walk Distance (m) (from SMW08a,b,c at BASELINE)
41	BODE_INDEX01	Num	8	BODE Index at BASELINE
42	BRONCH_ELIGIBLE	Num	8	Eligible for bronchoscopy substudy (1=Yes,0=No)
43	YEAR1_CONDITION	Num	8	condition to be included in YEAR1 tables
44	YEAR2_CONDITION	Num	8	condition to be included in YEAR2 tables
45	YEAR3_CONDITION	Num	8	condition to be included in YEAR3 tables
46	PEX_TOT0101	Num	8	Total Exacerbations for baseline
47	PEX_HCUTOT0101	Num	8	Exacerbations requiring HCU for baseline
48	PEX_ANTITOT0101	Num	8	Exacerbations treated with antibiotics for baseline
49	PEX_STEROIDTOT0101	Num	8	Exacerbations treated with steroids for baseline
50	PEX_DRUGTOT0101	Num	8	Exacerbations treated with medications for baseline
51	PEX_SEVERETOT0101	Num	8	Exacerbations requiring ED visit or hospitalization for baseline
52	COPDSCORE0101	Num	8	COPD Assessment Test Score at visit 1
53	GOLD_MMRC0101	Char	1	Baseline GOLD status using the revised criteria and mMRC at baseline
54	GOLD_CAT0101	Char	1	Baseline GOLD status using the revised criteria and CAT at baseline

Num	Variable	Type	Len	Label
55	PEX_HX	Char	20	Exacerbation Hx - past 12 mo
56	PEX_LAST_VISIT	Char	16	Last Exacerbation Recorded Contact - past 12 mo
57	CB_VISIT1	Num	8	Chronic Bronchitis identified at baseline
58	ASTHMA_BASELINE	Num	8	Baseline Asthma
59	ASTHMA_EVER_REPORTED	Num	8	Ever Reported Asthma
60	EMPHYSEMA_VISIT1	Num	8	Possible emphysema at visit 1
61	EYES_ENT_CONDITION01	Num	8	History of Eyes, Ear, Nose, or Throat condition at baseline
62	CARDIOVASCULAR_CONDITION01	Num	8	History of Cardiovascular condition at baseline
63	GI_CONDITION01	Num	8	History of Gastrointestinal condition at baseline
64	PULMONARY_VASCULAR_CONDITION01	Num	8	History of Pulmonary/vascular condition at baseline
65	ONCOLOGY_HEMA_CONDITION01	Num	8	History of Oncology/hematology condition at baseline
66	GENITOURINARY_CONDITION01	Num	8	History of Genitourinary and Reproductive condition at baseline
67	ENDOCRINE_CONDITION01	Num	8	History of Endocrine condition at baseline
68	MUSCULAR_SKELETAL_CONDITION01	Num	8	History of Muscular/skeletal condition at baseline
69	DERMATOLOGY_CONDITION01	Num	8	History of Dermatology condition at baseline
70	INFECTIOUS_DISEASE_CONDITION01	Num	8	History of Infectious disease condition at baseline
71	PSYCHIATRIC_CONDITION01	Num	8	History of Psychiatric condition at baseline
72	CB_FATHER01	Num	8	Father has a reported history of chronic bronchitis at baseline (1=Yes, 2=No, Unknowns treated as missing)
73	CB_MOTHER01	Num	8	Mother has a reported history of chronic bronchitis
74	EMPHYSEMA_FATHER01	Num	8	Father has a reported history of Emphysema
75	EMPHYSEMA_MOTHER01	Num	8	Mother has a reported history of Emphysema
76	COPD_FATHER01	Num	8	Father has a reported history of COPD
77	COPD_MOTHER01	Num	8	Mother has a reported history of COPD
78	ASTHMA_FATHER01	Num	8	Father has a reported history of Asthma
79	ASTHMA_MOTHER01	Num	8	Mother has a reported history of Asthma
80	LUNGCA_FATHER01	Num	8	Father has a reported history of Lung Cancer
81	LUNGCA_MOTHER01	Num	8	Mother has a reported history of Lung Cancer
82	CB_DIAGNOSED01	Num	8	Chronic bronchitis diagnosed by a health professional reported at baseline (Yes=1, No=0, Unknowns treated as missing)
83	EMPHYSEMA_DIAGNOSED01	Num	8	Emphysema diagnosed by a health professional reported at baseline
84	COPD_DIAGNOSED01	Num	8	COPD diagnosed by a health professional reported at baseline
85	APNEA_DIAGNOSED01	Num	8	Sleep apnea diagnosed by a health professional reported at baseline
86	MCQ_TOT01	Num	8	Total MCQ score at baseline
87	VSASCORE01	Num	8	Baseline veteran specific activity score
88	PREFEV1_LT_LLN01	Num	8	pre-bronchodilator FEV1 less than LLN defined by Hankinson 1999 (1=True, 0=False)
89	PREFVC_LT_LLN01	Num	8	pre-bronchodilator FVC less than LLN defined by Hankinson 1999 (1=True, 0=False)

Num	Variable	Type	Len	Label
90	PREFEV1FVC_LT_LLN01	Num	8	pre-bronchodilator FEV1/FVC less than LLN defined by Hankinson 1999 (1=True, 0=False)
91	FEV1_BDRESPONSE_HANKINSON01	Num	8	FEV1 Bronchodilator response, percent Hankinson 1999
92	FEV1_BDRESPONSE_PELLERGINO01	Num	8	FEV1 Bronchodilator response, volume (L) Pellergino 2005 (1=True, 0=False)
93	FVC_BDRESPONSE_PCT01	Num	8	FVC Bronchodilaotr response, percent baseline
94	FVC_BDRESPONSE_VOL01	Num	8	FVC Bronchodilator response, volume (ml)
95	FVC_BDRESPONSE_HANKINSON01	Num	8	FVC Bronchodilator response, percent Hankinson 1999
96	FVC_BDRESPONSE_PELLERGINO01	Num	8	FVC Bronchodilator response, volume (L) Pellergino 2005 (1=True, 0=False)
97	SMOKER_ECO_RECENT01	Num	8	recent smoking identified on eCO measurement at baseline
98	POSTFEV1_LT_LLN01	Num	8	post-bronchodilator FEV1 less than LLN defined by Hankinson 1999 (1=True, 0=False)
99	POSTFVC_LT_LLN01	Num	8	post-bronchodilator FVC less than LLN defined by Hankinson 1999 (1=True, 0=False)
100	POSTFEV1FVC_LT_LLN01	Num	8	post-bronchodilator FEV1/FVC less than LLN defined by Hankinson 1999 (1=True, 0=False)
101	POSTFEV1FVC_LT_70_01	Num	8	post_bronchodilator FEV1/FVC ratio less than 0.7. (1=True, 0=False)
102	COPD_FOUNDATION_RANKING01	Char	3	COPD Foundation disease ranking
103	SMW_DSAT01	Num	8	Oxygen desaturation with the six minute walk
104	SMW_HYPOX01	Num	8	Hypoxemia with six minute walk
105	FAST_SCORE01	Num	8	FAST Alcohol Screening Score (derived from BMH25 - 28) (NOTE: Did not differentiate between males and females, Used >8 drinks for first screening question)
106	PREFEF2575_LT_LLN01	Num	8	pre-bronchodilator FEF25-75% less than LLN defined by Hankinson 1999(1=True, 0=False)
107	POSTFEF2575_LT_LLN01	Num	8	post-bronchodilator FEF25-75% less than LLN defined by Hankinson 1999(1=True, 0=False)
108	CURRENT_SMOKER_V1	Num	8	current smoking status at baseline
109	CURRENT_SMOKER_V2	Num	8	current smoking status at Year 1
110	CURRENT_SMOKER_V3	Num	8	current smoking status at Year 2
111	BRONCH_DIAGNOSED01	Num	8	Attack of bronchitis diagnosed by a health professional reported at baseline (Yes=1; No=0; Unknowns treated as missing)
112	MENOPAUSE01	Char	8	Participant has reached menopause
113	SPUTUM_COLLECTED01	Num	8	Sputum sample collected at baseline
114	SPUTUM_METHOD01	Num	8	Method of specimen processing used for sputum collection at baseline
115	CBC_NEUTROPHIL_CNT01	Num	8	CBC Neutrophil CNT at baseline
116	CBC_NEUTROPHIL_PCT01	Num	8	CBC Neutrophil PCT at baseline
117	CBC_LYMPHOCYTE_CNT01	Num	8	CBC lymphocyte CNT at baseline
118	CBC_LYMPHOCYTE_PCT01	Num	8	CBC lymphocyte PCT at baseline
119	CBC_MONOCYTE_CNT01	Num	8	CBC monocyte CNT at baseline

Num	Variable	Type	Len	Label
120	CBC_MONOCYTE_PCT01	Num	8	CBC monocyte PCT at baseline
121	CBC_EOSINOPHIL_CNT01	Num	8	CBC eosinophil CNT at baseline
122	CBC_EOSINOPHIL_PCT01	Num	8	CBC eosinophil PCT at baseline
123	CBC_BASOPHIL_CNT01	Num	8	CBC basophil CNT at baseline
124	CBC_BASOPHIL_PCT01	Num	8	CBC basophil PCT at baseline
125	VGDF_EVER01	Num	8	Ever exposed to vapors, gas, dust, or fumes at baseline
126	VGDF_YEARS01	Num	8	Years exposed to vapors, gas, dust or fumes at baselined
127	LONGESTJOBDURATION01	Num	8	Duration in years of longest job ever worked at baseline
128	VGDF_LONGESTJOB01	Num	8	Exposed to vapors, gas, dust, or fumes during longest job
129	SMOKING_PACK_YEARS01	Num	8	Smoking pack-years at baseline
130	PEX_SEVERE_365	Num	8	total count of exacerbations requiring ED visit or hospitalization in 365 days since entering the study
131	V1_LAC_R_APEX_BASE_SLP_910DIF	Num	8	lac_r_apex_base_slp_910dif
132	V1_LAC_R_APEX_BASE_SLP_950DIF	Num	8	lac_r_apex_base_slp_950dif
133	V1_LAC_L_APEX_BASE_SLP_910DIF	Num	8	lac_l_apex_base_slp_910dif
134	V1_LAC_L_APEX_BASE_SLP_950DIF	Num	8	lac_l_apex_base_slp_950dif
135	V1_R_APEX_BASE_PCTBE910_RATIO	Num	8	r_apex_base_pctbe910_ratio
136	V1_R_APEX_BASE_PCTBE950_RATIO	Num	8	r_apex_base_pctbe950_ratio
137	V1_L_APEX_BASE_PCTBE910_RATIO	Num	8	l_apex_base_pctbe910_ratio
138	V1_L_APEX_BASE_PCTBE950_RATIO	Num	8	l_apex_base_pctbe950_ratio
139	V1_RB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB1+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
140	V1_RB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the RB10+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
141	V1_LB1_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB1+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
142	V1_LB10_CHLD_AVGAVGWALTHICK50	Num	8	Wall thickness of the two children of the LB10+1 segment average for visit 1 (NOTE: If only one segment available, that measurement is used in lieu of an average)
143	V1_PI10_PATH_LEQ20_THICKEST	Num	8	Pi10_path_leq20_thickest
144	V1_PI10_PATH_LEQ20_AVG	Num	8	Pi10_path_leq20_avg
145	BASELINE_ASTHMA_CHILD	Num	8	History of childhood asthma diagnosed by a physician reported at baseline
146	BASELINE_ASTHMA_DX	Num	8	History of asthma diagnosed by a physician reported at baseline
147	EMPH950_HIGH01	Num	8	Emphysema > ULN (defined by reference equation) at baseline
148	LOG950_VIDA01	Num	8	Log transformed uncorrected percent emphysema 950(VIDA) at baseline
149	EMPH_ULN01	Num	8	Upper limit of normal (defined by reference equation) at baseline
150	TOTALVOL_ULN_V1	Num	8	Upper limit of normal for total lung volume based on race, age, gender, height, and BMI at baseline

Num	Variable	Type	Len	Label
151	TOTALVOLUME_YES_V1	Num	8	indicator of total volume based total volum (BOTH_TOT_V) and totalvol_ULN at baseline
152	SXSMKR2_FVC_CORE3_V1	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
153	SXSMKR2_FVC_CORE2_V1	Num	8	Non-smokers and smokers w/ or w/o symptoms using PFT RC vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, FEV1/FVC<.7, PCTFEV>=50%, & with CAT<10 for 4 & CAT>=10 for 5
154	SXSMKR2_FVC_CORE3_V2	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
155	SXSMKR2_FVC_CORE2_V2	Num	8	Non-smokers and smokers w/ or w/o symptoms using PFT RC vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, FEV1/FVC<.7, PCTFEV>=50%, & with CAT<10 for 4 & CAT>=10 for 5
156	SXSMKR2_FVC_CORE3_V3	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
157	SXSMKR2_FVC_CORE2_V3	Num	8	Non-smokers and smokers w/ or w/o symptoms using PFT RC vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, FEV1/FVC<.7, PCTFEV>=50%, & with CAT<10 for 4 & CAT>=10 for 5
158	SXSMKR2_FVC_CORE3_V4	Num	8	Non-smokers and smokers w/ or w/o symptoms using GIC PFT vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, GOLD 1/2, & with CAT<10 for 4 & CAT>=10 for 5
159	SXSMKR2_FVC_CORE2_V4	Num	8	Non-smokers and smokers w/ or w/o symptoms using PFT RC vars; 1=stratum 1; 2,3=smokers,FEV1/FVC>=.7, FVC>LLN, & with CAT<10 for 2 & CAT>=10 for 3; 4,5=smokers, FEV1/FVC<.7, PCTFEV>=50%, & with CAT<10 for 4 & CAT>=10 for 5
160	CB_SGRQ01	Num	8	Chronic Bronchitis defined by questions 1 and 2 on the SGRQ at Baseline
161	V1_GLI_FEV1_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEV1 Z-Score Pre-Bronchodilator
162	V1_GLI_FEV1_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEV1 Percent Predicted Pre-Bronchodilator
163	V1_GLI_FEV1_LLN	Num	8	Visit 1 GLI Reference value for FEV1 Lower Limit of Normal
164	V1_GLI_FVC_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FVC Z-Score Pre-Bronchodilator
165	V1_GLI_FVC_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FVC Percent Predicted Pre-Bronchodilator
166	V1_GLI_FVC_LLN	Num	8	Visit 1 GLI Reference value for FVC Lower Limit of Normal
167	V1_GLI_FEV1FVC_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEV1FVC Z-Score Pre-Bronchodilator
168	V1_GLI_FEV1FVC_LLN	Num	8	Visit 1 GLI Reference value for FEV1FVC Lower Limit of Normal
169	V1_GLI_FEV1FVC_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEV1FVC Percent Predicted Pre-Bronchodilator

Num	Variable	Type	Len	Label
170	V1_GLI_FEF2575_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEF2575 Z-Score Pre-Bronchodilator
171	V1_GLI_FEF2575_LLN	Num	8	Visit 1 GLI Reference value for FEF2575 Lower Limit of Normal
172	V1_GLI_FEF2575_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEF2575 Percent Predicted Pre-Bronchodilator
173	V1_GLI_FEF75_Z_SCORE_PRE	Num	8	Visit 1 GLI Reference value for FEF75 Z-Score Pre-Bronchodilator
174	V1_GLI_FEF75_LLN	Num	8	Visit 1 GLI Reference value for FEF75 Lower Limit of Normal
175	V1_GLI_FEF75_PCT_PRED_PRE	Num	8	Visit 1 GLI Reference value for FEF75 Percent Predicted Pre-Bronchodilator
176	V1_GLI_FEV1_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEV1 Z-Score Post-Bronchodilator
177	V1_GLI_FEV1_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEV1 Percent Predicted Post-Bronchodilator
178	V1_GLI_FVC_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FVC Z-Score Post-Bronchodilator
179	V1_GLI_FVC_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FVC Percent Predicted Post-Bronchodilator
180	V1_GLI_FEV1FVC_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEV1FVC Z-Score Post-Bronchodilator
181	V1_GLI_FEV1FVC_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEV1FVC Percent Predicted Post-Bronchodilator
182	V1_GLI_FEF2575_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEF2575 Z-Score Post-Bronchodilator
183	V1_GLI_FEF2575_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEF2575 Percent Predicted Post-Bronchodilator
184	V1_GLI_FEF75_Z_SCORE_POST	Num	8	Visit 1 GLI Reference value for FEF75 Z-Score Post-Bronchodilator
185	V1_GLI_FEF75_PCT_PRED_POST	Num	8	Visit 1 GLI Reference value for FEF75 Percent Predicted Post-Bronchodilator
186	PEX_LAST_VISIT_DAYS	Num	8	Date of last exacerbation Report - Days from enrollment
187	DATE_1STPEXREPORT_DAYS	Num	8	Form date of FUQ or HEF where the first any exacerbation ever reported - Days from enrollment

Data Set Name: r1_derv_post_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	PFV01	Char	9	study_id
6	PFV04	Char	1	Sex
7	PFV07	Num	8	Age
8	PFV08	Num	8	Height
9	PFV10	Char	15	Position
10	PFV12	Num	8	visit_num
11	PFV13	Num	8	interval_num
12	PFV14	Num	8	stage_num
13	PFV15	Num	8	seq_num
14	PFV16	Char	15	vlabel
15	PFV17	Num	8	repeats
16	PFV22B	Char	8	time
17	PFV23B	Char	8	time_best
18	PFV24B	Char	8	time_first
19	PFV27	Num	8	temperature
20	PFV28	Num	8	barometric
21	PFV29	Num	8	humidity
22	PFV06D	Num	8	Day of Birth
23	VERSION	Char	21	Version
24	PFV31_DERV	Num	8	Fvcpd_derv
25	PFV36_DERV	Num	8	Pctfvc_derv
26	PFV40_DERV	Num	8	Fvc_derv
27	PFV41	Num	8	flag_fvc_best
28	PFV49_DERV	Num	8	Fev3_derv
29	PFV51_DERV	Num	8	Fev6_derv
30	PFV68_DERV	Num	8	Expt_derv
31	PFV71_DERV	Num	8	Fivc_derv
32	PFV72_DERV	Num	8	Fiv05_derv
33	PFV73_DERV	Num	8	Fiv05fivc_derv
34	PFV74_DERV	Num	8	Fiv1_derv
35	PFV75_DERV	Num	8	Fiv1fivc_derv
36	PFV76_DERV	Num	8	Fiv3_derv
37	PFV78_DERV	Num	8	Fif212_derv

Num	Variable	Type	Len	Label
38	PFV79_DERV	Num	8	Fif2575_derv
39	PFV80_DERV	Num	8	Mit_derv
40	PFV30_DERV	Num	8	Fevpd_derv
41	PFV35_DERV	Num	8	Pctfev_derv
42	PFV43_DERV	Num	8	Fev05_derv
43	PFV45_DERV	Num	8	Fev1_derv
44	PFV46	Num	8	flag_fev_best
45	PFV66_DERV	Num	8	Vext_derv
46	PFV67_DERV	Num	8	Pctvext_derv
47	PFV69_DERV	Num	8	RVSPCA_derv
48	PFV70_DERV	Num	8	Fevdiff_derv
49	PFV33_DERV	Num	8	Fev1_fvcpd_derv
50	PFV39_DERV	Num	8	Pctfev_fvc_derv
51	PFV44_DERV	Num	8	Fev05fvc_derv
52	PFV47_DERV	Num	8	Fev1fvc_derv
53	PFV48	Num	8	flag_fevfvc_best
54	PFV50_DERV	Num	8	Fev3fvc_derv
55	PFV32_DERV	Num	8	Fefpd_derv
56	PFV37_DERV	Num	8	Pctfef2575_derv
57	PFV52_DERV	Num	8	Fef212_derv
58	PFV53_DERV	Num	8	Fef2575_derv
59	PFV54	Num	8	flag_fef2575_best
60	PFV55_DERV	Num	8	Fef25756_derv
61	PFV56_DERV	Num	8	Fef25_derv
62	PFV57_DERV	Num	8	Fef50_derv
63	PFV58_DERV	Num	8	Fef506_derv
64	PFV59_DERV	Num	8	Fef75_derv
65	PFV60_DERV	Num	8	Fef756_derv
66	PFV61_DERV	Num	8	Fef7585_derv
67	PFV64_DERV	Num	8	Met_derv
68	PFV34_DERV	Num	8	Pefpd_derv
69	PFV38_DERV	Num	8	Pctpefr_derv
70	PFV62_DERV	Num	8	Pefr_derv
71	PFV63	Num	8	flag_pefr_best
72	PFV65_DERV	Num	8	Peft_derv
73	PFV77_DERV	Num	8	Pifr_derv
74	POST_FEV1FVC_DERV	Num	8	post_BD derived FEV1 FVC ratio using best FEV1 and FVC value
75	PFV22A_DAYS	Num	8	Date - Days from enrollment
76	PFV23A_DAYS	Num	8	Date best - Days from enrollment

Num	Variable	Type	Len	Label
77	PFV24A_DAYS	Num	8	Date first - Days from enrollment
78	PFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: r1_derv_post_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	PSV01	Char	9	study_id
6	PSV04	Char	6	Sex
7	PSV07	Num	8	Age
8	PSV08	Num	8	Height
9	PSV10	Char	15	position
10	PSV12	Num	8	visit_num
11	PSV13	Char	15	interval_num
12	PSV14	Num	8	stage_num
13	PSV15	Num	8	seq_num
14	PSV16	Char	5	vlabel
15	PSV17	Num	8	repeats
16	PSV19	Char	15	qa_grade
17	PSV20	Char	15	qa_status
18	PSV23B	Char	8	time_best
19	PSV24B	Char	8	time_first
20	PSV28	Num	8	temperature
21	PSV29	Num	8	barometric
22	PSV30	Num	8	humidity
23	PSV32	Char	5	tom
24	PSV06D	Num	8	Day of Birth
25	VERSION	Char	21	Version
26	PSV33_DERV	Num	8	Svc_derv
27	PSV34_DERV	Num	8	Svcpd_derv
28	PSV35_DERV	Num	8	Pctsvc_derv
29	PSV36	Num	8	flag_svc_best
30	PSV37_DERV	Num	8	IC_derv
31	PSV38_DERV	Num	8	IRV_derv
32	PSV39_DERV	Num	8	ERV_derv
33	PSV40_DERV	Num	8	TV_derv
34	PSV22A_DAYS	Num	8	Date - Days from enrollment
35	PSV23A_DAYS	Num	8	Date best - Days from enrollment
36	PSV24A_DAYS	Num	8	Date first - Days from enrollment
37	PSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: r1_derv_pre_fvc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	SFV01	Char	9	study_id
6	SFV04	Char	1	Sex
7	SFV07	Num	8	Age
8	SFV08	Num	8	Height
9	SFV10	Char	15	Position
10	SFV12	Num	8	visit_num
11	SFV13	Num	8	interval_num
12	SFV14	Num	8	stage_num
13	SFV15	Num	8	seq_num
14	SFV16	Char	10	vlabel
15	SFV17	Num	8	repeats
16	SFV22B	Char	8	time
17	SFV23B	Char	8	time_best
18	SFV24B	Char	8	time_first
19	SFV27	Num	8	temperature
20	SFV28	Num	8	barometric
21	SFV29	Num	8	humidity
22	SFV06D	Num	8	Day of Birth
23	VERSION	Char	21	Version
24	SFV31_DERV	Num	8	Fvcpd_derv
25	SFV36_DERV	Num	8	Pctfvc_derv
26	SFV40_DERV	Num	8	Fvc_derv
27	SFV41	Num	8	flag_fvc_best
28	SFV49_DERV	Num	8	Fev3_derv
29	SFV51_DERV	Num	8	Fev6_derv
30	SFV68_DERV	Num	8	Expt_derv
31	SFV71_DERV	Num	8	Fivc_derv
32	SFV72_DERV	Num	8	Fiv05_derv
33	SFV73_DERV	Num	8	Fiv05fivc_derv
34	SFV74_DERV	Num	8	Fiv1_derv
35	SFV75_DERV	Num	8	Fiv1fivc_derv
36	SFV76_DERV	Num	8	Fiv3_derv
37	SFV78_DERV	Num	8	Fif212_derv

Num	Variable	Type	Len	Label
38	SFV79_DERV	Num	8	Fif2575_derv
39	SFV80_DERV	Num	8	Mit_derv
40	SFV30_DERV	Num	8	Fevpd_derv
41	SFV35_DERV	Num	8	Pctfev_derv
42	SFV43_DERV	Num	8	Fev05_derv
43	SFV45_DERV	Num	8	Fev1_derv
44	SFV46	Num	8	flag_fev_best
45	SFV66_DERV	Num	8	Vext_derv
46	SFV67_DERV	Num	8	Pctvext_derv
47	SFV33_DERV	Num	8	Fev1_fvcpd_derv
48	SFV39_DERV	Num	8	Pctfev_fvc_derv
49	SFV44_DERV	Num	8	Fev05fvc_derv
50	SFV47_DERV	Num	8	Fev1fvc_derv
51	SFV48	Num	8	flag_fevfvc_best
52	SFV50_DERV	Num	8	Fev3fvc_derv
53	SFV32_DERV	Num	8	Fefpd_derv
54	SFV37_DERV	Num	8	Pctfef2575_derv
55	SFV52_DERV	Num	8	Fef212_derv
56	SFV53_DERV	Num	8	Fef2575_derv
57	SFV54	Num	8	flag_fef2575_best
58	SFV55_DERV	Num	8	Fef25756_derv
59	SFV56_DERV	Num	8	Fef25_derv
60	SFV57_DERV	Num	8	Fef50_derv
61	SFV58_DERV	Num	8	Fef506_derv
62	SFV59_DERV	Num	8	Fef75_derv
63	SFV60_DERV	Num	8	Fef756_derv
64	SFV61_DERV	Num	8	Fef7585_derv
65	SFV64_DERV	Num	8	Met_derv
66	SFV34_DERV	Num	8	Pefpd_derv
67	SFV38_DERV	Num	8	Pctpefr_derv
68	SFV62_DERV	Num	8	Pefr_derv
69	SFV63	Num	8	flag_pefr_best
70	SFV65_DERV	Num	8	Peft_derv
71	SFV77_DERV	Num	8	Pifr_derv
72	PRE_FEV1FVC_DERV	Num	8	pre-BD derived FEV1 FVC ratio using best FEV1 and FVC value
73	SFV22A_DAYS	Num	8	Date - Days from enrollment
74	SFV23A_DAYS	Num	8	Date best - Days from enrollment
75	SFV24A_DAYS	Num	8	Date first - Days from enrollment
76	SFV42A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: r1_derv_pre_svc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	SSV01	Char	9	study_id
6	SSV04	Char	6	Sex
7	SSV07	Num	8	Age
8	SSV08	Num	8	Height
9	SSV10	Char	15	position
10	SSV12	Num	8	visit_num
11	SSV13	Num	8	interval_num
12	SSV14	Num	8	stage_num
13	SSV15	Num	8	seq_num
14	SSV16	Char	5	vlabel
15	SSV17	Num	8	repeats
16	SSV19	Char	15	qa_grade
17	SSV20	Char	15	qa_status
18	SSV23B	Char	8	time_best
19	SSV28	Num	8	temperature
20	SSV29	Num	8	barometric
21	SSV30	Num	8	humidity
22	SSV31	Num	8	pre_washout_1
23	SSV06D	Num	8	Day of Birth
24	VERSION	Char	21	Version
25	SSV33_DERV	Num	8	Svc_derv
26	SSV34_DERV	Num	8	Svcpd_derv
27	SSV35_DERV	Num	8	Pctsvc_derv
28	SSV36	Num	8	flag_svc_best
29	SSV37_DERV	Num	8	IC_derv
30	SSV38_DERV	Num	8	IRV_derv
31	SSV39_DERV	Num	8	ERV_derv
32	SSV40_DERV	Num	8	TV_derv
33	SSV22A_DAYS	Num	8	Date - Days from enrollment
34	SSV23A_DAYS	Num	8	Date best - Days from enrollment
35	SSV24A_DAYS	Num	8	Date first - Days from enrollment
36	SSV25A_DAYS	Num	8	Trials Date - Days from enrollment

Data Set Name: r1_ehf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	FORM
4	VISIT	Char	10	VISIT
5	EHF01	Char	1	EHF01 Have you ever been employed
6	EHF02	Char	1	EHF02 current employment situation
7	EHF07	Num	8	EHF07 Total number of years at last job
8	EHF08	Char	1	EHF08 left last job because of breathing or lung problems
9	EHF09	Char	1	EHF09 Not working because of difficulty breathing
10	EHF10	Char	1	EHF10 stoped work because of missed time due to illness
11	EHF11	Char	1	EHF11 Exposure to vapors, gas, dust or fumes at last job
12	EHF12	Char	1	EHF12 was last job the longest job ever held
13	EHF12D	Char	1	EHF12D Exposure to vapors, gas, dust, or fumes at longest job
14	EHF16	Num	8	EHF16 Number of years at current job
15	EHF17	Num	8	EHF17 average hours worked per week at current job
16	EHF18A	Char	1	EHF18A ever worked in a cotton, flax or hemp mill?
17	EHF18B	Char	1	EHF18B ever worked in a foundry?
18	EHF18C	Char	1	EHF18C ever worked in a glass works?
19	EHF18D	Char	1	EHF18D ever worked in a mine?
20	EHF18E	Char	1	EHF18E ever worked in a pottery?
21	EHF18F	Char	1	EHF18F ever worked in a power plant?
22	EHF18G	Char	1	EHF18G ever worked in a quarry?
23	EHF18H	Char	1	EHF18H ever worked in a refinery?
24	EHF18I	Char	1	EHF18I ever worked or with asbestos?
25	EHF18J	Char	1	EHF18J ever worked in synthetic fibers or fabric manufacturing?
26	EHF18K	Char	1	EHF18K ever worked in a paper mill?
27	EHF18L	Char	1	EHF18L ever worked in building or highway construction?
28	EHF18M	Char	1	EHF18M ever worked in an aluminum factory?
29	EHF18N	Char	1	EHF18N ever worked in a rubber tire plant?
30	EHF18O	Char	1	EHF18O ever worked in HVAC?
31	EHF18P	Char	1	EHF18P ever worked in demolition?
32	EHF18Q	Char	1	EHF18Q ever worked in remodeling?
33	EHF18R	Char	1	EHF18R ever worked in professional cleaning?
34	EHF18S	Char	1	EHF18S ever worked in beauty care?
35	EHF18T	Char	1	EHF18T ever worked in agriculture?
36	EHF18U	Char	1	EHF18U ever worked in the flooring industry?
37	EHF19A	Char	1	EHF19A ever worked as a boilermaker?

Num	Variable	Type	Len	Label
38	EHF19B	Char	1	EHF19B ever worked as a carpenter?
39	EHF19C	Char	1	EHF19C ever worked as a chemical worker?
40	EHF19D	Char	1	EHF19D ever worked as an electrician?
41	EHF19E	Char	1	EHF19E ever worked as an elevator operator?
42	EHF19F	Char	1	EHF19F ever worked as an insulator?
43	EHF19G	Char	1	EHF19G ever worked as a lather?
44	EHF19H	Char	1	EHF19H ever worked as a machinist?
45	EHF19I	Char	1	EHF19I ever worked as a mechanic?
46	EHF19J	Char	1	EHF19J ever worked as a millwright?
47	EHF19K	Char	1	EHF19K ever worked as a pipefitter?
48	EHF19L	Char	1	EHF19L ever worked as a plasterer?
49	EHF19M	Char	1	EHF19M ever worked as a plumber?
50	EHF19N	Char	1	EHF19N ever worked as a sander?
51	EHF19O	Char	1	EHF19O ever worked as a sheet metal worker?
52	EHF19P	Char	1	EHF19P ever worked as a steelworker?
53	EHF19Q	Char	1	EHF19Q ever worked as a welder?
54	EHF19R	Char	1	EHF19R ever worked as a pig farmer?
55	EHF19S	Char	1	EHF19S ever worked as a rigger?
56	EHF19T	Char	1	EHF19T ever worked as a roofer?
57	EHF19U	Char	1	EHF19U ever worked as a painter?
58	EHF19V	Char	1	EHF19V ever worked as a mason?
59	EHF20A	Char	1	EHF20A ever had regular exposure to Irritant gases, such as chlorine or ammonia?
60	EHF20B	Char	1	EHF20B ever had regular exposure to Fire, smoke or other combustion products?
61	EHF20C	Char	1	EHF20C ever had regular exposure to Incinerators, boilers, or oil refineries?
62	EHF20D	Char	1	EHF20D ever had regular exposure to Coal dust or powder?
63	EHF20E	Char	1	EHF20E ever had regular exposure to Silica or sand, or concrete or cement dust?
64	EHF20F	Char	1	EHF20F ever had regular exposure to Indoor fuel powered motors, compressors, or engines?
65	EHF20G	Char	1	EHF20G ever had regular exposure to Diesel engine exhaust?
66	EHF20H	Char	1	EHF20H ever had regular exposure to Wheat flour or other grain dusts?
67	EHF20I	Char	1	EHF20I ever had regular exposure to Animal feeds or fodder?
68	EHF20J	Char	1	EHF20J ever had regular exposure to Cotton dust or cotton processing?
69	EHF20K	Char	1	EHF20K ever had regular exposure to Wood dust or saw dust?
70	EHF20L	Char	1	EHF20L ever had regular exposure to Cadmium fumes or batteries or sliver solder?
71	EHF20M	Char	1	EHF20M ever had regular exposure to Other metal dusts or metal fumes?
72	EHF20N	Char	1	EHF20N ever had regular exposure to Welding or flame cutting?
73	EHF20O	Char	1	EHF20O ever had regular exposure to Fiberglass or other man-made mineral fibers?
74	EHF20P	Char	1	EHF20P ever had regular exposure to Explosives or blasting fumes?
75	EHF07A	Num	8	EHF07A average number of hours per week worked at last job
76	EHF12E	Num	8	EHF12E year longest held job started

Num	Variable	Type	Len	Label
77	EHF12F	Num	8	EHF12F Total number of years at longest job held
78	EHF12G	Num	8	EHF12G average number of hours per week worked at longest held job
79	EHF18A1	Num	8	EHF18A1 How many years worked in a cotton, flax or hemp mill?
80	EHF18B1	Num	8	EHF18B1 How many years worked in a foundry?
81	EHF18C1	Num	8	EHF18C1 How many years worked in a glass works?
82	EHF18D1	Num	8	EHF18D1 How many years worked in a mine?
83	EHF18E1	Num	8	EHF18E1 How many years worked in a pottery?
84	EHF18F1	Num	8	EHF18F1 How many years worked in a power plant?
85	EHF18G1	Num	8	EHF18G1 How many years worked in a quarry?
86	EHF18H1	Num	8	EHF18H1 How many years worked in a refinery?
87	EHF18I1	Num	8	EHF18I1 How many years worked or with asbestos?
88	EHF18J1	Num	8	EHF18J1 How many years worked in synthetic fibers or fabric manufacturing?
89	EHF18K1	Num	8	EHF18K1 How many years worked in a paper mill?
90	EHF18L1	Num	8	EHF18L1 How many years worked in building or highway construction?
91	EHF18M1	Num	8	EHF18M1 How many years worked in an aluminum factory?
92	EHF18N1	Num	8	EHF18N1 How many years worked in a rubber tire plant?
93	EHF18O1	Num	8	EHF18O1 How many years worked in HVAC?
94	EHF18P1	Num	8	EHF18P1 How many years worked in demolition?
95	EHF18Q1	Num	8	EHF18Q1 How many years worked in remodeling?
96	EHF18R1	Num	8	EHF18R1 How many years worked in professional cleaning?
97	EHF18S1	Num	8	EHF18S1 How many years worked in beauty care?
98	EHF18T1	Num	8	EHF18T1 How many years worked in agriculture?
99	EHF18U1	Num	8	EHF18U1 How many years worked in the flooring industry?
100	EHF19A1	Num	8	EHF19A1 How many years worked as a boilermaker?
101	EHF19B1	Num	8	EHF19B1 How many years worked as a carpenter?
102	EHF19C1	Num	8	EHF19C1 How many years worked as a chemical worker?
103	EHF19D1	Num	8	EHF19D1 How many years worked as an electrician?
104	EHF19E1	Num	8	EHF19E1 How many years worked as an elevator operator?
105	EHF19F1	Num	8	EHF19F1 How many years worked as an insulator?
106	EHF19G1	Num	8	EHF19G1 How many years worked as a lather?
107	EHF19I1	Num	8	EHF19I1 How many years worked as a machinist?
108	EHF19J1	Num	8	EHF19J1 How many years worked as a mechanic?
109	EHF19K1	Num	8	EHF19K1 How many years worked as a millwright?
110	EHF19L1	Num	8	EHF19L1 How many years worked as a pipefitter?
111	EHF19M1	Num	8	EHF19M1 How many years worked as a plasterer?
112	EHF19N1	Num	8	EHF19N1 How many years worked as a plumber?
113	EHF19O1	Num	8	EHF19O1 How many years worked as a sander?
114	EHF19P1	Num	8	EHF19P1 How many years worked as a sheet metal worker?
115	EHF19Q1	Num	8	EHF19Q1 How many years worked as a steelworker?

Num	Variable	Type	Len	Label
116	EHF19R1	Num	8	EHF19R1 How many years worked as a welder?
117	EHF19S1	Num	8	EHF19S1 How many years worked as a pig farmer?
118	EHF19T1	Num	8	EHF19T1 How many years worked as a rigger?
119	EHF19U1	Num	8	EHF19U1 How many years worked as a roofer?
120	EHF19V1	Num	8	EHF19V1 How many years worked as a painter?
121	EHF20A1	Num	8	EHF20A1 How many years worked as a mason?
122	EHF20B1	Num	8	EHF20B1 How many years regularly exposed to Irritant gases, such as chlorine or ammonia?
123	EHF20C1	Num	8	EHF20C1 How many years regularly exposed to Fire, smoke or other combustion products?
124	EHF20D1	Num	8	EHF20D1 How many years regularly exposed to Incinerators, boilers, or oil refineries?
125	EHF20E1	Num	8	EHF20E1 How many years regularly exposed to Coal dust or powder?
126	EHF20F1	Num	8	EHF20F1 How many years regularly exposed to Silica or sand, or concrete or cement dust?
127	EHF20G1	Num	8	EHF20G1 How many years regularly exposed to Indoor fuel powered motors, compressors, or engines?
128	EHF20H1	Num	8	EHF20H1 How many years regularly exposed to Diesel engine exhaust?
129	EHF20I1	Num	8	EHF20I1 How many years regularly exposed to Wheat flour or other grain dusts?
130	EHF20J1	Num	8	EHF20J1 How many years regularly exposed to Animal feeds or fodder?
131	EHF20K1	Num	8	EHF20K1 How many years regularly exposed to Cotton dust or cotton processing?
132	EHF20L1	Num	8	EHF20L1 How many years regularly exposed to Wood dust or saw dust?
133	EHF20M1	Num	8	EHF20M1 How many years regularly exposed to Cadmium fumes or batteries or sliver solder?
134	EHF20N1	Num	8	EHF20N1 How many years regularly exposed to Other metal dusts or metal fumes?
135	EHF20O1	Num	8	EHF20O1 How many years regularly exposed to Welding or flame cutting?
136	EHF20P1	Num	8	EHF20P1 How many years regularly exposed to Fiberglass or other man-made mineral fibers?
137	EHF21	Char	1	EHF21 Type of mine
138	EHF21A	Char	50	EHF21A Specify type of mine
139	EHF22	Char	1	EHF22 What was mined?
140	EHF22A	Char	50	EHF22A Specify type of material mined
141	EHF23	Char	1	EHF23 Exposure to vapors, gas, dust, or fumes at current job
142	EHF24	Char	1	EHF24 Is current job the longest job you ever had
143	EHF24D	Char	1	EHF24D Exposure to vapors, gas, dust, or fumes in current/longest held job
144	EHF24F	Num	8	EHF24F number of years worked at current/longest held job
145	EHF24G	Num	8	EHF24G average number of hours per week at current/longest job
146	EHF19H1	Num	8	How many years?
147	VERSION	Char	21	VERSION
148	EHF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_fct_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	FCT01	Char	1	FCT01 Lack of energy
6	FCT02	Char	1	FCT02 Nausea
7	FCT03	Char	1	FCT03 Physical limitations
8	FCT04	Char	1	FCT04 Pain
9	FCT05	Char	1	FCT05 Side effects of treatment
10	FCT06	Char	1	FCT06 Illness
11	FCT07	Char	1	FCT07 Forced time in bed
12	FCT08	Char	1	FCT08 Closeness to friends
13	FCT09	Char	1	FCT09 Emotional support from family
14	FCT10	Char	1	FCT10 Support from friends
15	FCT11	Char	1	FCT11 Family accepted illness
16	FCT12	Char	1	FCT12 Satisfied with communication
17	FCT13	Char	1	FCT13 Closeness to partner
18	FCT14	Num	8	FCT14 Answer or mark box
19	FCT15	Char	1	FCT15 Satisfaction with sex life
20	FCT16	Char	1	FCT16 Feeling sad
21	FCT17	Char	1	FCT17 Satisfaction with coping
22	FCT18	Char	1	FCT18 Loss of hope
23	FCT19	Char	1	FCT19 Feeling nervous
24	FCT20	Char	1	FCT20 Worries about death
25	FCT21	Char	1	FCT21 Worry about worsening condition
26	FCT22	Char	1	FCT22 Ability to work
27	FCT23	Char	1	FCT23 Fulfillment of work
28	FCT24	Char	1	FCT24 Ability to enjoy life
29	FCT25	Char	1	FCT25 Acceptance of illness
30	FCT26	Char	1	FCT26 Sleeping well
31	FCT27	Char	1	FCT27 Enjoyment of fun activities
32	FCT28	Char	1	FCT28 Content with quality of life
33	FCT29	Char	1	FCT29 Feeling fatigued
34	FCT30	Char	1	FCT30 Feeling weak
35	FCT31	Char	1	FCT31 Feeling listless
36	FCT32	Char	1	FCT32 Feeling tired
37	FCT33	Char	1	FCT33 Trouble starting things

Num	Variable	Type	Len	Label
38	FCT34	Char	1	FCT34 Trouble finishing things
39	FCT35	Char	1	FCT35 Energy
40	FCT36	Char	1	FCT36 Ability to do usual activities
41	FCT37	Char	1	FCT37 Need to sleep during day
42	FCT38	Char	1	FCT38 Too tired to eat
43	FCT39	Char	1	FCT39 Need helping with usual activities
44	FCT40	Char	1	FCT40 Frustrated with fatigue
45	FCT41	Char	1	FCT41 Fatigue limits social activities
46	VERSION	Char	21	Version
47	FACIT_PHYSICALWELLBEINGSCORE01	Num	8	Baseline FACIT physical wellbeing score
48	FACIT_SOCIALWELLBEINGSCORE01	Num	8	Baseline FACIT social wellbeing score
49	FACIT_EMOTIONALWELLBEINGSCORE01	Num	8	Baseline FACIT emotional wellbeing score
50	FACIT_FUNCTIONALWELLBEINGSCORE01	Num	8	Baseline FACIT functional wellbeing score
51	FACIT_FATIGUESCORE01	Num	8	Baseline FACIT fatigue score
52	FACIT_FTRIALOUTCOMEINDEX01	Num	8	Baseline FACIT F trial outcome index score
53	FACIT_GTOTALSCORE01	Num	8	Baseline FACIT G total score
54	FACIT_FTOTALSCORE01	Num	8	Baseline FACIT F total score
55	FCT0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_hds_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	HDS01	Num	8	HDS01 Feeling tense
6	HDS02	Num	8	HDS02 Enjoyment
7	HDS03	Char	1	HDS03 Feeling fearful
8	HDS04	Char	1	HDS04 Sense of humor
9	HDS05	Num	8	HDS05 Worried thoughts
10	HDS06	Num	8	HDS06 Feeling cheerful
11	HDS07	Num	8	HDS07 Ability to relax
12	HDS08	Num	8	HDS08 Feeling slowed down
13	HDS09	Num	8	HDS09 Feeling frightened
14	HDS10	Num	8	HDS10 Lost interest in appearance
15	HDS11	Num	8	HDS11 Feeling restless
16	HDS12	Num	8	HDS12 Looking forward
17	HDS13	Num	8	HDS13 Sudden feelings of panic
18	HDS14	Num	8	HDS14 Ability to enjoy
19	VERSION	Char	21	Version
20	HDS_ANXIETYSCORE01	Num	8	Baseline HDS Anxiety Score
21	HDS_DEPRESSIONSCORE01	Num	8	Baseline HDS Depression Score
22	HDS0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_mcq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	MCQ01	Char	1	MCQ01 Frequency of cough today
6	MCQ02	Char	1	MCQ02 Frequency of cough last night
7	MCQ03	Char	1	MCQ03 Severity of cough episodes
8	MCQ04	Char	1	MCQ04 Ease of coughing up sputum today
9	MCQ05	Char	1	MCQ05 Chest tightness/discomfort today
10	VERSION	Char	21	Version
11	MCQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_mrc_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	MRC01	Num	8	MRC01 Describe shortness of breath
6	VERSION	Char	21	Version
7	MRC0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_pft_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	PFT01	Num	8	PFT01 Large meal eaten within the last 2 hours
6	PFT02	Num	8	PFT02 Smoked within the last hour
7	PFT03	Num	8	PFT03 Vigorous exercise in the past 30 minutes
8	PFT04	Num	8	PFT04 Consumed alcohol within past 4 hours
9	PFT05	Num	8	PFT05 Medication for lungs in past 48 hours
10	PFT06	Num	8	PFT06 Use of Spiriva within past 48 hours
11	PFT06B	Char	5	PFT06B Time last used Spiriva
12	PFT06B_AMPM	Char	1	PFT06B_AMPM Last used Spiriva AM/PM
13	PFT07	Num	8	PFT07 Use of theophylline within past 48 hrs
14	PFT07A	Num	8	PFT07A Most recent type of theophyline used
15	PFT07C	Char	5	PFT07C Time last used theophyline
16	PFT07C_AMPM	Char	1	PFT07C_AMPM last used theophyline AM/PM
17	PFT08	Num	8	PFT08 Use of one-a-day bronchodilator
18	PFT08B	Char	5	PFT08B Time last used one-a-day bronchodilator
19	PFT08B_AMPM	Char	1	PFT08B_AMPM last used one-a-day bronchodilator AM/PM
20	PFT08B1	Char	50	PFT08B1 Name of last used one-a-day bronchodilator
21	PFT09	Num	8	PFT09 Use of long-acting beta agonist
22	PFT09A	Num	8	PFT09A Most recent long-acting beta agonist used
23	PFT09A1	Char	50	PFT09A1 Specify long-acting beta agonist
24	PFT09B	Char	5	PFT09B Time last used long-acting beta agonist
25	PFT09B_AMPM	Char	1	PFT09B_AMPM last used long-acting beta agonist AM/PM
26	PFT10	Num	8	PFT10 Use of ipratropium within the past 8 hours
27	PFT10A	Num	8	PFT10A Most recent ipratropium used
28	PFT10B	Char	5	PFT10B Time last used ipratropium
29	PFT10C_AMPM	Char	1	PFT10C_AMPM last used ipratropium AM/PM
30	PFT11	Num	8	PFT11 Use of short-acting beta agonist
31	PFT12	Char	1	PFT12 Consumption of caffeine in past 6 hours
32	VERSION	Char	21	Version
33	PFT0A_DAYS	Num	8	Form Date - Days from enrollment
34	PFT06A_DAYS	Num	8	Date last used Spiriva - Days from enrollment
35	PFT07B_DAYS	Num	8	Date last used theophyline - Days from enrollment
36	PFT08A_DAYS	Num	8	Date last used one-a-day bronchodilator - Days from enrollment

Data Set Name: r1_psq_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	PSAQ7	Char	2000	PSAQ7 Frequency of taking medication to sleep during the last month
5	PSAQ8	Char	2000	PSAQ8 Frequency of having trouble staying awake during the last month
6	PSAQ9	Char	2000	PSAQ9 Difficulty keeping up enthusiasm during the last month
7	VISIT	Char	10	Visit
8	PSQ01	Char	5	PSQ01 Usual bedtime in the past month
9	PSQ01_AMPM	Char	1	PSQ01_AMPM bedtime AM/PM
10	PSQ02	Num	8	PSQ02 Time taken to fall asleep in the past month
11	PSQ03	Char	5	PQQ03 Waking hour in the past month
12	PSQ03_AMPM	Char	1	PSQ03_AMPM waking hour AM/PM
13	PSQ04	Num	8	PSQ04 Hours of sleep per night in the past month
14	PSQ05A	Char	1	PSQ05A Trouble sleeping: Cannot get to sleep within 30 minutes
15	PSQ05B	Char	1	PSQ05B Trouble sleeping: Wake up in the middle of the night or early morning
16	PSQ05C	Char	1	PSQ05C Trouble sleeping: Have to get up to use the bathroom
17	PSQ05D	Char	1	PSQ05D Trouble sleeping: Cannot breathe comfortably
18	PSQ05E	Char	1	PSQ05E Trouble sleeping: Cough or snore loudly
19	PSQ05F	Char	1	PSQ05F Trouble sleeping: Feel too cold
20	PSQ05G	Char	1	PSQ05G Trouble sleeping: Feel too hot
21	PSQ05H	Char	1	PSQ05H Trouble sleeping: Have bad dreams
22	PSQ05I	Char	1	PSQ05I Trouble sleeping: Have pain
23	PSQ05J	Char	1	PSQ05J Trouble sleeping: Other reasons
24	PSQ05J1	Char	2000	PSQ05J1 Other reason trouble sleeping describe
25	PSQ06	Char	1	PSQ06 Sleep quality during the last month
26	PSQ10	Char	1	PSQ10 Bed partner/roommate
27	PSQ10A	Char	1	PSQ10A Bed partner/roommate reports: Loud snoring
28	PSQ10B	Char	1	PSQ10B Bed partner/roommate reports: Long pauses between breaths while asleep
29	PSQ10C	Char	1	PSQ10C Bed partner/roommate reports: Legs twitching or jerking while you sleep
30	PSQ10D	Char	1	PSQ10D Bed partner/roommate reports: Episodes of disorientation or confusion during sleep
31	PSQ10E	Char	1	PSQ10E Bed partner/roommate reports: Other restlessness while you sleep
32	PSQ10E1	Char	2000	PSQ10E1 Describe other restlessness during sleep
33	VERSION	Char	21	Version
34	PSQ_TOTALSCORE01	Num	8	Baseline Pittsburgh sleep total score

Num	Variable	Type	Len	Label
35	PSQ_DURATIONSLEEP01	Num	8	Baseline PSQ Duration of sleep)
36	PSQ_SLEEPDISTURBANCE01	Num	8	Baseline PSQ sleep disturbance
37	PSQ_SLEEPLATENCY01	Num	8	Baseline PSQ sleep latency
38	PSQ_DAYSLEEPYDYSFUNC01	Num	8	Baseline PSQ day dysfunction due to sleepness
39	PSQ_SLEEPEFFICIENCY01	Num	8	Baseline PSQ sleep efficiency
40	PSQ_OVERALLSLEEPQUALITY01	Num	8	Baseline PSQ overall sleep quality
41	PSQ_NEEDMEDSTOSLEEP01	Num	8	Baseline PSQ need meds to sleep
42	PSQ0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_rds_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	WHEEZINGAGE	Num	8	RDS08A Age of first wheezing/whistling in chest
5	NATURECONDITION	Char	2000	RDS15a Nature of condition causing inability to walk
6	VISIT	Char	10	Visit
7	RDS01	Char	1	RDS01 Presence of cough
8	RDS01A	Char	1	RDS01A Frequency of cough
9	RDS02	Char	1	RDS02 Presence of cough in the morning
10	RDS03	Char	1	RDS03 Presence of cough during day/night
11	RDS03A	Char	1	RDS03A Severity of cough during the year
12	RDS03B	Num	8	RDS03B Number of years having cough
13	RDS04	Char	1	RDS04 Bringing up phlegm from chest
14	RDS04A	Char	1	RDS04A Frequency of bringing up phlegm
15	RDS05	Char	1	RDS05 Bringing up phlegm in the morning
16	RDS06	Char	1	RDS06 Bringing up phlegm in the day/night
17	RDS06A	Char	1	RDS06A Bringing up phlegm during the year
18	RDS06B	Num	8	RDS06B Number of years having trouble with phlegm
19	RDS07	Char	1	RDS07 Episodes of cough with phlegm
20	RDS07A	Num	8	RDS07A Number of episodes of cough with phlegm
21	RDS07B	Num	8	RDS07B Number of years having at least one episode
22	RDS08	Char	1	RDS08 Wheezing/ whistling in chest
23	RDS09	Char	1	RDS09 Shortness of breath from attack
24	RDS09A	Num	8	RDS09A Age of first attack
25	RDS09B	Char	1	RDS09B Two or more attacks
26	RDS09C	Char	1	RDS09C Required medicine for attacks
27	RDS10	Char	1	RDS10 Wheezing/whistling in last 12 months
28	RDS10A1	Char	1	RDS10A1 Recent wheezing with cold
29	RDS10A2	Char	1	RDS10A2 Recent wheezing apart from colds
30	RDS10A3	Char	1	RDS10A3 Recent wheezing more than once a week
31	RDS10A4	Char	1	RDS10A4 Recent wheezing most days/nights
32	RDS11	Char	1	RDS11 Sleep-disturbing cough
33	RDS12	Char	1	RDS12 Shortness of breath during sleep
34	RDS13	Char	1	RDS13 Recent wheezing/whistling
35	RDS14	Char	1	RDS14 Eye irritation
36	RDS15	Char	1	RDS15 Inability to walk not related to dyspnea
37	RDS16	Char	1	RDS16 Asthma

Num	Variable	Type	Len	Label
38	RDS16A	Num	8	RDS16A Age asthma started
39	RDS16A1	Num	8	RDS16A1 Age asthma started not known
40	RDS16B	Char	1	RDS16B Diagnosis of asthma
41	RDS16C	Char	1	RDS16C Current asthma
42	RDS16D	Num	8	RDS16D Age asthma stopped
43	RDS16D1	Num	8	RDS16D1 Age asthma stopped not known
44	RDS16E	Char	1	RDS16E Recent medical treatment for asthma
45	RDS17	Char	1	RDS17 Nose/eye allergies
46	RDS17A	Num	8	RDS17A Age allergies started
47	RDS17A1	Num	8	RDS17A1 Age allergies started not known
48	RDS17B	Char	1	RDS17B Diagnosis of allergies
49	RDS17C	Char	1	RDS17C Current allergies
50	RDS17D	Num	8	RDS17D Age allergies stopped
51	RDS17D1	Num	8	RDS17D1 Age allergies stopped not known
52	RDS17E	Char	1	RDS17E Recent medical treatment for allergies
53	RDS18	Char	1	RDS18 Attack of bronchitis
54	RDS18A	Char	1	RDS18A Diagnosis of bronchitis
55	RDS18B	Num	8	RDS18B Age first having bronchitis
56	RDSB1	Num	8	As a child; age not known (Check if appropriate)
57	RDS18C	Num	8	RDS18C Number of times having bronchitis
58	RDS19	Char	1	RDS19 Pneumonia
59	RDS19A	Char	1	RDS19A Diagnosis of pneumonia
60	RDS19B	Num	8	RDS19B Age first having pneumonia
61	RDS19B1	Num	8	RDS19B1 Age of first pneumonia not known
62	RDS19C	Num	8	RDS19C Number of times having pneumonia
63	RDS20	Char	1	RDS20 Chronic bronchitis
64	RDS20A	Char	1	RDS20A Diagnosis of chronic bronchitis
65	RDS20B	Num	8	RDS20B Age chronic bronchitis started
66	RDS20C	Char	1	RDS20C Current chronic bronchitis
67	RDS20D	Char	1	RDS20D Recent medical treatment for chronic bronchitis
68	RDS21	Char	1	RDS21 Emphysema
69	RDS21A	Char	1	RDS21A Diagnosis of emphysema
70	RDS21B	Num	8	RDS21B Age emphysema started
71	RDS21C	Char	1	RDS21C Current emphysema
72	RDS21D	Char	1	RDS21D Recent medical treatment for emphysema
73	RDS22	Char	1	RDS22 COPD
74	RDS22A	Char	1	RDS22A Diagnosis of COPD
75	RDS22B	Num	8	RDS22B Age COPD started
76	RDS22C	Char	1	RDS22C Current COPD

Num	Variable	Type	Len	Label
77	RDS22D	Char	1	RDS22D Recent medical treatment for COPD
78	RDS23	Char	1	RDS23 Sleep apnea
79	RDS23A	Char	1	RDS23A Diagnosis of sleep apnea
80	RDS23B	Num	8	RDS23B Age sleep apnea started
81	RDS23C	Char	1	RDS23C Current sleep apnea
82	RDS23D	Char	1	RDS23D Recent medical treatment for sleep apnea
83	RDS24A	Char	1	RDS24A Other chest illness
84	RDS24B	Char	1	RDS24B Chest operations
85	RDS24B1	Char	2000	RDS24B1 Other chest operations specify
86	RDS24C	Char	1	RDS24C Chest injuries
87	RDS24C1	Char	2000	RDS24C1 Other chest injuries Specify
88	RDS25A1	Char	1	RDS25A1 Father had chronic bronchitis
89	RDS25B1	Char	1	RDS25B1 Mother had chronic bronchitis
90	RDS25A2	Char	1	RDS25A2 Father had emphysema
91	RDS25B2	Char	1	RDS25B2 Mother had emphysema
92	RDS25A3	Char	1	RDS25A3 Father had COPD
93	RDS25B3	Char	1	RDS25B3 Mother had COPD
94	RDS25A4	Char	1	RDS25A4 Father had asthma
95	RDS25B4	Char	1	RDS25B4 Mother had asthma
96	RDS25A5	Char	1	RDS25A5 Father had lung cancer
97	RDS25B5	Char	1	RDS25B5 Mother han lung cancer
98	RDS26A	Char	1	RDS26A Father: smoked cigarettes
99	RDS26B	Char	1	RDS26B Mother: smoked cigarettes
100	RDS27	Char	1	RDS27 Ever Smoked cigarettes
101	RDS28	Num	8	RDS28 Age first started smoking
102	RDS29	Char	1	RDS29 Currently smoking as of one month ago
103	RDS30	Num	8	RDS30 Number Cigarettes smoked per day
104	RDS31	Num	8	RDS31 Age stopped smoking
105	RDS32	Num	8	RDS32 Average number cigarettes smoked per day
106	RDS33	Num	8	RDS33 No cigarettes smoked in the past 24 hours
107	RDS33A	Num	8	RDS33A Number of cigarettes smoked in the last 24 hours
108	RDS33B	Num	8	RDS33B Number of cigarettes smoked in the last 2 hours
109	RDS33C	Num	8	RDS33C Number of cigarettes smoked in the last 1/2 hour
110	RDS34	Char	1	RDS34 Ever smoked a pipe
111	RDS35	Num	8	RDS35 Age first started smoking a pipe
112	RDS36	Char	1	RDS36 Currently smoking pipe as of one month ago
113	RDS37	Num	8	RDS37 Number of ounces of pipe tobacco smoked per day currently
114	RDS38	Num	8	RDS38 Age stopped smoking a pipe
115	RDS39	Num	8	RDS39 Average Pipe tobacco usage per week

Num	Variable	Type	Len	Label
116	RDS40	Char	1	RDS40 Ever smoked cigars
117	RDS41	Num	8	RDS41 Age first started smoking cigars
118	RDS42	Char	1	RDS42 Currently smoking cigars as of one month ago
119	RDS43	Num	8	RDS43 Cigars smoked per day currently
120	RDS44	Num	8	RDS44 Age stopped smoking cigars
121	RDS45	Num	8	RDS45 Cigars smoked per week
122	RDS46	Char	1	RDS46 Approach to tobacco smoking in home
123	RDS47A	Num	8	RDS47A Years following approach to smoking in home
124	RDS47B	Char	1	RDS47B Refused or Don't Know number of year following approach to smoking in home
125	RDS48	Char	1	RDS48 Currently living with tobacco smoker
126	RDS49	Char	1	RDS49 Ever lived with a tobacco smoker as an adult (age 18) since adulthood
127	RDS50	Num	8	RDS50 Number of individuals smoking in household
128	RDS51A	Num	8	RDS51A Years living in household with smoker as an adult
129	RDS51B	Char	1	RDS51B Refused or don't know number of years living in a household with a smoker
130	RDS52	Char	1	RDS52 Ever lived with a tobacco smoker during childhood (prior to age 18)
131	RDS53FATHERCBI	Num	8	RDS53FATHERCBI Father smoked
132	RDS53MOTHERCBI	Num	8	RDS53MOTHERCBI Mother smoked
133	RDS53OTHERCBI	Num	8	RDS53OTHERCBI Other person smoked
134	RDS53REFUSEDCBI	Num	8	RDS53REFUSEDCBI Refused to indicate who smoked
135	RDS53NOTKNOWCBI	Num	8	RDS53NOTKNOWCBI Don't know person who smoked
136	RDS55	Char	1	RDS55 Mother smoking during pregnancy
137	RDS55A	Num	8	RDS55A Years during childhood living with tobacco smoker
138	RDS55B	Char	1	RDS55B Refused or don't know number of years living with a smoker as a child
139	RDS56	Char	1	RDS56 Anyone smoked in home in the last 7 days
140	RDS57	Num	8	RDS57 House of tobacco smoke exposure in the home in the last 7 days
141	RDS58	Char	1	RDS58 Visibly smokey room in the home in the last 7 days
142	RDS59	Char	1	RDS59 Tobacco smell in home in the last 7 days
143	RDS60	Char	1	RDS60 Eye irriation in the last 7 days after in-home exposure
144	RDS61	Char	1	RDS61 Nose irriation in the last 7 days after in-home exposure
145	RDS62	Char	1	RDS62 Coughing in the last 7 days after in-home exposure
146	RDS637	Char	1	RDS63 Extra inhalers used in the last 7 days due to smoke in home
147	RDS64	Char	1	RDS64 Visited home with indoor tobacco smokers in the last 7 days
148	RDS65	Num	8	RDS65 Number of hours of exposure to second-hand smoke in anothers home in the last 7 days
149	RDS66	Char	1	RDS66 Visibly smokey room when visiting another's home in the last 7 days
150	RDS67	Char	1	RDS67 Tobacco smell when visiting another's home in the last 7 days
151	RDS72	Char	1	RDS72 Traveled by car or other vehicle in the last 7 days with someone who smokes
152	RDS73	Num	8	RDS73 Hours spent traveling with tobacco smokers in the last 7 days
153	RDS78	Char	1	RDS78 Exposure to tobacco smoke at indoors at work in the last 7 days

Num	Variable	Type	Len	Label
154	RDS79	Num	8	RDS79 Hours exposed to tobacco smoke in doors at work in the last 7 days
155	RDS80	Char	1	RDS80 Visibly smoky indoors at work in the last 7 days
156	RDS81	Char	1	RDS81 Tobacco smell indoors at work in the last 7 days
157	RDS86	Char	1	RDS86 Outdoor area for smokers at work
158	RDS87	Num	8	RDS87 Number of times walking through outdoor smoker area in the last 7 days
159	RDS88	Num	8	RDS88 Hours spent at outdoor smoking area in the last 7 days
160	RDS89	Char	1	RDS89 Smell smoke in outdoor smokers area
161	RDS95	Num	8	RDS95 Hours spent in proximity to smoking coworkers in the last 7 days
162	RDS96	Char	1	RDS96 Smell smoke while working outdoors in the last 7 days
163	RDS101	Char	1	RDS101 Exposure to tobacco smoke outdoors somewhere other than work in the last 7 days
164	RDS103	Char	1	RDS103 Smell tobacco smoke at non-work outdoor location in the last 7 days
165	RDS104	Num	8	RDS104 Hours of smoke exposure at non-work outdoor location in the last 7 days
166	RDS109	Char	1	RDS109 Exposure to tobacco smoke at place of entertainment in the last 7 days
167	RDS110	Num	8	RDS110 Hours of exposure to smoke at place of entertainment in the last 7 days
168	RDS111	Char	1	RDS111 Visibly smoky in place of entertainment in the last 7 days
169	RDS112	Char	1	RDS112 Smell tobacco in place of entertainment in the last 7 days
170	RDS117	Char	1	RDS1167Other sites of exposure to tobacco smoke in the last 7 days
171	RDS118	Char	90	RDS118 Other location of smoke exposure
172	RDS119	Num	8	RDS119 Hours of exposure to smoke at this other location in the last 7 days
173	RDS124	Char	1	RDS124 Ever smoked marijuana
174	RDS125	Char	1	RDS125 Ever regularly smoked marijuana (at least five times in a year)
175	RDS126	Num	8	RDS126 Average joints smoked per week
176	RDS127	Num	8	RDS127 Average number of pipes smoked per week
177	RDS128	Num	8	RDS128 Years smoking marijuana
178	RDS129	Char	1	RDS129 Recent marijuana smoking (last 12 months)
179	RDS130	Char	1	130) When was the last time you smoked marijuana?
180	VERSION	Char	21	Version
181	RDS0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_rmu_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	VISIT
5	RMU01	Char	1	RMU01 Currently using Theophylline
6	RMU02	Char	1	RMU02 Currently using Oral Corticosteroids
7	RMU02A1	Num	8	RMU02A1 Years on oral corticosteroids
8	RMU02A2	Num	8	RMU02A2 Days on oral corticosteroids
9	RMU03	Char	1	RMU03 Supplemental oxygen usage
10	RMU03A	Num	8	RMU03A Hours using supplemental oxygen per day
11	RMU04	Char	1	RMU04 Inhaled steroids usage in last three months
12	RMU04A1	Char	1	RMU04A1 Inhaled steroids used in last 3 months: Azmacort (triamcinolone)
13	RMU04A2	Char	1	RMU04A2 Inhaled steroids used in last 3 months: Beclovent (beclomethasone)
14	RMU04A3	Char	1	RMU04A3 Inhaled steroids used in last 3 months: Vanceril (beclomethasone)
15	RMU04A4	Char	1	RMU04A4 Inhaled steroids used in last 3 months: AeroBid (blunisolide)
16	RMU04A5	Char	1	RMU04A5 Inhaled steroids used in last 3 months: Flovent (fluticasone)
17	RMU04A5A	Num	8	RMU04A5A Flovent (fluticasone): Puffs/day?
18	RMU04A6	Char	1	RMU04A6 Inhaled steroids used in last 3 months: Pulmicort (budesonide)
19	RMU04A6A	Num	8	RMU04A6A Pulmicort (budesonide): Puffs/day?
20	RMU04A6B	Char	1	RMU04A6B Inhaled steroids used in last 3 months: Pulmicort dose
21	RMU04A7	Char	1	RMU04A7 Inhaled steroids used in last 3 months: Qvar (beclomethasone)
22	RMU04A7A	Num	8	RMU04A7A Qvar (beclomethasone): Puffs/day?
23	RMU04A7B	Char	1	RMU04A7B Inhaled steroids used in last 3 months: Qvar dose
24	RMU04A8	Char	1	RMU04A8 Inhaled steroids used in last 3 months: Advair (bluticasone/salmeterol)
25	RMU04A8A	Num	8	RMU04A8A Advair (bluticasone/salmeterol): Puffs/day?
26	RMU04A8B	Char	1	RMU04A8B Inhaled steroids used in last 3 months: Advair dose
27	RMU04A9	Char	1	RMU04A9 Inhaled steroids used in last 3 months: Symbicort
28	RMU04A9A	Num	8	RMU04A9A Symbicort): Puffs/day?
29	RMU04A9B	Char	1	RMU04A9B Inhaled steroids used in last 3 months: Symbicort dose
30	RMU04A10	Char	1	RMU04A10 Inhaled steroids used in last 3 months: Other, specify
31	RMU04A10A	Num	8	RMU04A10A Other, specify: Puffs/day?
32	RMU04A10B	Char	50	RMU04A10B Inhaled steroids used in last 3 months:Specify
33	RMU05	Char	1	RMU05 Inhaled bronchodilators in last three months
34	RMU05A1	Char	1	RMU05A1 Inhaled bronchodilators used in last 3 months: Albuterol (Proventil, Ventolin, ProAir)
35	RMU05A1A	Num	8	RMU05A1A Albuterol (Proventil, Ventolin, ProAir): Puffs/day?
36	RMU05A2	Char	1	RMU05A2 Inhaled bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
37	RMU05A2A	Num	8	RMU05A2A ipratropium bromide (Atrovent): Puffs/day?

Num	Variable	Type	Len	Label
38	RMU05A3	Char	1	RMU05A3 Inhaled bronchodilators used in last 3 months: ipratropium bromide/albuterol sulfate (Combivent)
39	RMU05A3A	Num	8	RMU05A3A ipratropium bromide/albuterol sulfate (Combivent): Puffs/day?
40	RMU05A4	Char	1	RMU05A4 Inhaled bronchodilators used in last 3 months: terbutaline (Brethaire, Brethine, Bricanyl)
41	RMU05A5	Char	1	RMU05A5 Inhaled bronchodilators used in last 3 months: formoterol (Foradil)
42	RMU05A5A	Num	8	RMU05A5A formoterol (Foradil): Puffs/day?
43	RMU05A6	Char	1	RMU05A6 Inhaled bronchodilators used in last 3 months: tiotropium (Spiriva)
44	RMU05A6A	Num	8	RMU05A6A tiotropium (Spiriva): Puffs/day?
45	RMU05A7	Char	1	RMU05A7 Inhaled bronchodilators used in last 3 months: Salmeterol (Serevent Diskus)
46	RMU05A7A	Num	8	RMU05A7A Salmeterol (Serevent Diskus): Puffs/day?
47	RMU05A8	Char	1	RMU05A8 Inhaled bronchodilators used in last 3 months: Pirbuterol (Maxair)
48	RMU05A9	Char	1	RMU05A9 Inhaled bronchodilators used in last 3 months: Metaproterenol (Alupent, Metaprel)
49	RMU05A9A	Num	8	RMU05A9A Metaproterenol (Alupent, Metaprel): Puffs/day?
50	RMU05A10	Char	1	RMU05A10 Inhaled bronchodilators used in last 3 months: levalbuterol (Tomalate)
51	RMU05A11	Char	1	RMU05A11 Inhaled bronchodilators used in last 3 months: bitolterol (Tornalate)
52	RMU05A12	Char	1	RMU05A12 Inhaled bronchodilators used in last 3 months: epinephrine (Primatene, Bronkaid)
53	RMU05A13	Char	1	RMU05A13 Inhaled bronchodilators used in last 3 months: fluticasone/salmeterol (Advair Diskus)
54	RMU05A13A	Num	8	RMU05A13A fluticasone/salmeterol (Advair Diskus): Puffs/day?
55	RMU05A14	Char	1	RMU05A14 Inhaled bronchodilators used in last 3 months: budesonide/formoterol (Symbicort)
56	RMU05A14A	Num	8	RMU05A14A budesonide/formoterol (Symbicort): Puffs/day?
57	RMU05A15	Char	1	RMU05A15 Inhaled bronchodilators used in last 3 months: Other)
58	RMU05A15A	Num	8	RMU05A15A Other: Puffs/day?
59	RMU05A15B	Char	50	RMU05A15B Inhaled bronchodilators used in last 3 months:Specify
60	RMU06	Char	1	RMU06 Nebulized bronchodilators usage in the last three months
61	RMU06A1	Char	1	RMU06A1 nebulized bronchodilators used in last 3 months: formoterol (Perforomist)
62	RMU06A2	Char	1	RMU06A2 nebulized bronchodilators used in last 3 months: arformoterol (Brovana)
63	RMU06A3	Char	1	RMU06A3 nebulized bronchodilators used in last 3 months: albuterol and ipratropium bromide (DuoNeb)
64	RMU06A4	Char	1	RMU06A4 nebulized bronchodilators used in last 3 months: albuterol (Proventil, Ventolin, ProAir)
65	RMU06A5	Char	1	RMU06A5 nebulized bronchodilators used in last 3 months: ipratropium bromide (Atrovent)
66	RMU07	Char	1	RMU07 Leukotriene antagonist usage in the last 3 months
67	RMU08	Char	1	RMU08 Statin medications usage in the last three months
68	RMU08A1	Char	1	RMU08A1 statin used in last 3 months: Crestor (resuvastatin)
69	RMU08A2	Char	1	RMU08A2 statin used in last 3 months: Lescol (fluvastatin)
70	RMU08A3	Char	1	RMU08A3 statin used in last 3 months: Lipitor (atorvastatin)
71	RMU08A4	Char	1	RMU08A4 statin used in last 3 months: Mevacor (lovastatin)
72	RMU08A5	Char	1	RMU08A5 statin used in last 3 months: Pravachol (pravastatin)
73	RMU08A6	Char	1	RMU08A6 statin used in last 3 months: Vytorin (ezetimibe, simvastatin)
74	RMU08A7	Char	1	RMU08A7 statin used in last 3 months: Zocor (simvastatin)

Num	Variable	Type	Len	Label
75	RMU08A8	Char	1	RMU08A8 statin used in last 3 months: Other
76	RMU08A8B	Char	50	RMU08A8B statin used in last 3 months:Specify
77	RMU09	Char	1	RMU09 Beta-blocker medications usage in the last three months
78	RMU09A1	Char	1	RMU09A1 beta blocker used in last 3 months: Atenolol (tenormin, tenoretic)
79	RMU09A2	Char	1	RMU09A2 beta blocker used in last 3 months: Metoprolol (lopresor, toprol)
80	RMU09A3	Char	1	RMU09A3 beta blocker used in last 3 months: Carvedilol (coreg)
81	RMU09A4	Char	1	RMU09A4 beta blocker used in last 3 months: Labetalol (trandate, normodyne)
82	RMU09A5	Char	1	RMU09A5 beta blocker used in last 3 months: Propranalol (Inderal, Inderide)
83	RMU09A6	Char	1	RMU09A6 beta blocker used in last 3 months: Sotalol (Betapace, Sorine)
84	RMU09A7	Char	1	RMU09A7 beta blocker used in last 3 months: Timolol (Blocadren, timolide)
85	RMU09A8	Char	1	RMU09A8 beta blocker used in last 3 months: bisoprolol (zebeta, ziac)
86	RMU09A9	Char	1	RMU09A9 beta blocker used in last 3 months: pindolol (visken)
87	RMU09A10	Char	1	RMU09A10 beta blocker used in last 3 months: Other
88	RMU09A10B	Char	50	RMU09A10B beta blocker used in last 3 months:Specify
89	RMU10	Char	1	RMU10 Oral anti-oxidant supplements usage in the past three months
90	RMU10A1	Char	1	RMU10A1 oral anti-oxidants used in last 3 months: Vitamin C (ascorbic acid)
91	RMU10A2	Char	1	RMU10A2 oral anti-oxidants used in last 3 months: Vitamin E (alpha-tocopherol)
92	RMU10A3	Char	1	RMU10A3 oral anti-oxidants used in last 3 months: beta carotene
93	RMU10A4	Char	1	RMU10A4 oral anti-oxidants used in last 3 months: zinc
94	RMU10A5	Char	1	RMU10A5 oral anti-oxidants used in last 3 months: copper
95	RMU10A6	Char	1	RMU10A6 oral anti-oxidants used in last 3 months: fish oil
96	RMU10A7	Char	1	RMU10A7 oral anti-oxidants used in last 3 months: omega 3
97	RMU10A8	Char	1	RMU10A8 oral anti-oxidants used in last 3 months: Other
98	RMU10A8B	Char	50	RMU10A8B oral anti-oxidants used in last 3 months:Specify
99	RMU11	Char	1	RMU11 Aspirin usage
100	RMU12A	Char	50	RMU12A Other Medication taken in the last 3 months
101	RMU12B	Char	50	RMU12B Other Medication taken in the last 3 months
102	RMU12C	Char	50	RMU12C Other Medication taken in the last 3 months
103	RMU12D	Char	50	RMU12D Other Medication taken in the last 3 months
104	RMU12E	Char	50	RMU12E Other Medication taken in the last 3 months
105	RMU12F	Char	50	RMU12F Other Medication taken in the last 3 months
106	RMU12G	Char	50	RMU12G Other Medication taken in the last 3 months
107	RMU12H	Char	50	RMU12H Other Medication taken in the last 3 months
108	RMU12I	Char	50	RMU12I Other Medication taken in the last 3 months
109	RMU13A	Char	50	RMU13A Other Supplement taken in the last 3 months
110	RMU13B	Char	50	RMU13B Other Supplement taken in the last 3 months
111	RMU13C	Char	50	RMU13C Other Supplement taken in the last 3 months
112	RMU13D	Char	50	RMU13D Other Supplement taken in the last 3 months
113	RMU13E	Char	50	RMU13E Other Supplement taken in the last 3 months

Num	Variable	Type	Len	Label
114	RMU13F	Char	50	RMU13F Other Supplement taken in the last 3 months
115	RMU13G	Char	50	RMU13G Other Supplement taken in the last 3 months
116	RMU13H	Char	50	RMU13H Other Supplement taken in the last 3 months
117	VERSION	Char	21	VERSION
118	RMU0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_sdf_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	SDF01	Char	1	SDF01 Exhaled CO Measured
6	SDF01A	Num	8	SDF01A Monitor number
7	SDF01B	Num	8	SDF01B eCO Measurement 1
8	SDF01C	Num	8	SDF01C eCO Measurement 2
9	SDF02	Char	1	SDF02 Pre-bronchodilator spirometry
10	SDF02A	Char	5	SDF02A Time pre-BD slow vital capacity procedure began
11	SDF02A_AMPM	Char	1	SDF02A_AMPM AM/PM
12	SDF03A	Num	8	SDF03A Pre-BD Inspiratory Capacity
13	SDF03B	Num	8	SDF03B Pre-BD Expiratory slow vital capacity
14	SDF03C	Num	8	SDF03C Pre-BD FEV1
15	SDF03D	Num	8	SDF03D Pre-BD FVC
16	SDF04	Char	1	SDF04 Post-bronchodilator spirometry
17	SDF04A	Char	5	SDF04A Time first puff of bronchodilator administered
18	SDF04A_AMPM	Char	1	SDF04A_AMPM AM/PM
19	SDF04B	Char	5	SDF04B Time post-BD slow vital capacity procedure began
20	SDF04B_AMPM	Char	1	SDF04B_AMPM AM/PM
21	SDF05A	Num	8	SDF05A Post-BD Inspiratory Capacity
22	SDF05B	Num	8	SDF05B Post-BD Expiratory slow vital capacity
23	SDF05C	Num	8	SDF05C Post-BD FEV1
24	SDF05D	Num	8	SDF05D Post-BD FVC
25	SDF06	Char	1	SDF06 Post-BD Meet ATS-ERS requirements
26	SDF07	Char	1	SDF07 Complications during spirometry
27	SDF07A	Char	2000	SDF07A Explain spirometry complications
28	SDF08	Char	2000	SDF08 Other comments
29	VERSION	Char	21	Version
30	SDF0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_sfh_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	SFH01	Num	8	SFH01 General Health
6	SFH02A	Num	8	SFH02A Limitations on moderate activites
7	SFH02B	Num	8	SFH02B Limitations on difficult activities
8	SFH03A	Char	1	SFH03A Limited in accomplishing tasks
9	SFH03B	Char	1	SFH03B Limited in daily activities
10	SFH04A	Char	1	SFH04A Emotional limitations on activities
11	SFH04B	Char	1	SHF04B Emotional limitations on daily life
12	SFH05	Num	8	SFH05 Pain interfering with normal work
13	SFH06A	Num	8	SFH06A Feeling calm
14	SFH06B	Num	8	SFH06B Energy level
15	SFH06C	Num	8	SFH06C Feeling depressed
16	SFH07	Num	8	SFH07 Physical/emotional health interfering with social life
17	VERSION	Char	21	Version
18	SFH_BP01	Num	8	Baseline SFH bodily pain
19	SFH_GH01	Num	8	Baseline SFH general health
20	SFH_MCS01	Num	8	Baseline SFH mental component summary
21	SFH_MH01	Num	8	Baseline SFH mental health
22	SFH_PCS01	Num	8	Baseline SFH physical component summary
23	SFH_PF01	Num	8	Baseline SFH physical functioning
24	SFH_RE01	Num	8	Baseline SFH role emotion
25	SFH_RP01	Num	8	Baseline SFH role physical
26	SFH_SF01	Num	8	Baseline SFH social functioning
27	SFH_VT01	Num	8	Baseline SFH vitality
28	SFH0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_sgr_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	SGR0	Char	1	SGR01 Describe current health
6	SGR01	Num	8	SGR01 chest trouble: I cough:
7	SGR02	Num	8	SGR02 chest trouble: I bring up phlegm (sputum):
8	SGR03	Num	8	SGR03 chest trouble: I have had shortness of breath:
9	SGR04	Num	8	SGR04 chest trouble: I have attacks of wheezing:
10	SGR05	Char	1	SGR05 Number of attacks
11	SGR06	Char	1	SGR06 Days with little chest trouble
12	SGR07	Char	1	SGR07 Wheeze in morning
13	SGR08	Char	1	SGR08 Describe chest condition
14	SGR09A	Char	1	SGR09A Feel breathless:Getting washed or dressed
15	SGR09B	Char	1	SGR09B Feel breathless:Walking around the home
16	SGR09C	Char	1	SGR09C Feel breathless:Walking outside on the level
17	SGR09D	Char	1	SGR09D Feel breathless:Walking up a flight of stairs
18	SGR09E	Char	1	SGR09E Feel breathless:Walking up hills
19	SGR10A	Char	1	SGR10A About cough and breathlessness: Painful cough
20	SGR10B	Char	1	SGR10B About cough and breathlessness: Tiring cough
21	SGR10C	Char	1	SGR10C About cough and breathlessness: Breathless when talking
22	SGR10D	Char	1	SGR10D About cough and breathlessness: Breathless when bending over
23	SGR10E	Char	1	SGR10E About cough and breathlessness: Coughing/breathing disturbs sleep
24	SGR10F	Char	1	SGR10F About cough and breathlessness: Easily exhausted
25	SGR11A	Char	1	SGR11A Effect of chest trouble: Embarrassed in public
26	SGR11B	Char	1	SGR11B Effect of chest trouble: Chest trouble annoys others
27	SGR11C	Char	1	SGR11C Effect of chest trouble: Feeling panicked when out of breath
28	SGR11D	Char	1	SGR11D Effect of chest trouble: Chest problem beyond control
29	SGR11E	Char	1	SGR11E Effect of chest trouble: Frail/invalid
30	SGR11F	Char	1	SGR11F Effect of chest trouble: Exercise is unsafe
31	SGR11G	Char	1	SGR11G Effect of chest trouble: Effort
32	SGR12A	Char	1	SGR12A Activities effected by respiratory problems: Long time washing/dressing
33	SGR12B	Char	1	SGR12B Activities effected by respiratory problems: Long time bathing
34	SGR12C	Char	1	SGR12C Activities effected by respiratory problems: Walking slowly/pausing often
35	SGR12D	Char	1	SGR12D Activities effected by respiratory problems: Long time doing housework
36	SGR12E	Char	1	SGR12E Activities effected by respiratory problems: Walking up stairs
37	SGR12F	Char	1	SGR12F Activities effected by respiratory problems: Difficulty walking fast

Num	Variable	Type	Len	Label
38	SGR12G	Char	1	SGR12G Activities effected by respiratory problems: Difficulty performing moderate tasks
39	SGR12H	Char	1	SGR12H Activities effected by respiratory problems: Difficulty performing hard tasks
40	SGR13A	Char	1	SGR13A Activities usually effected by chest: Cannot play sports or games
41	SGR13B	Char	1	SGR13B Activities usually effected by chest: Cannot go out for recreation
42	SGR13C	Char	1	SGR13C Activities usually effected by chest: Cannot go out shopping
43	SGR13D	Char	1	SGR13DActivities usually effected by chest: Cannot do housework
44	SGR13E	Char	1	SGR13E Activities usually effected by chest: Cannot move far from bed/chair
45	SGR14	Num	8	SGR14 Personal effects of chest trouble
46	VERSION	Char	21	Version
47	SGR_SYMPTOMSCORE01	Num	8	Baseline SGR symptom score
48	SGR_ACTIVITYSCORE01	Num	8	Baseline SGR activity score
49	SGR_IMPACTSCORE01	Num	8	Baseline SGR impact score
50	SGR_TOTALSCORE01	Num	8	Baseline SGR total score
51	SGR0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_smw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	SMW01	Num	8	SMW01 Medications taken since post-bronchodilator spirometry
6	SMW02	Char	1	SMW02 blood pressure taken more than 4 hours prior to SMW
7	SMW03	Char	1	SMW03 Supplemental Oxygen
8	SMW03A	Num	8	SMW03A Supplemental Oxygen Flow rate
9	SMW03B	Char	1	SMW03B Flow Type
10	SMW04A	Num	8	SMW04A Oxygen saturation (SpO2) at rest prior to SMW
11	SMW04B	Num	8	SMW04B Pulse at rest prior to SMW
12	SMW05	Char	1	SMW05 Was continuous oximetry recorded?
13	SMW06	Char	5	SMW06 Start time of 6MW
14	SMW06_AMPM	Char	1	SMW06_AMPM AM/PM
15	SMW07A	Num	8	SMW07A Oxygen saturation (SpO2) immediately following SMW
16	SMW07B	Num	8	SMW07B Pulse immediately following SMW
17	SMW07C	Num	8	SMW07C Breathlessness Score immediately following SMW
18	SMW07D	Num	8	SMW07D Exertion score immediately following SMW
19	SMW08A	Char	1	SMW08A Type of SMW course used (meters, feet, or other)
20	SMW08B	Num	8	SMW08B Number of full laps
21	SMW08C	Num	8	SMW08C Distance walked final partial lap
22	SMW09	Char	1	SMW09 Stopped before 6 minutes
23	SMW09A1	Num	8	SMW09A1 Duration (minutes)
24	SMW09A2	Num	8	SMW09A2 Duration (seconds)
25	SMW09B1	Num	8	SMW09B1 Primary reason for stopping/not walking faster: Desaturation to LT 80%
26	SMW09B2	Num	8	SMW09B2 Primary reason for stopping/not walking faster: Orthopedic pain
27	SMW09B3	Num	8	SMW09B3 Primary reason for stopping/not walking faster: Muscle pain
28	SMW09B4	Num	8	SMW09B4 Primary reason for stopping/not walking faster: Breathlessness
29	SMW09B5	Num	8	SMW09B5 Primary reason for stopping/not walking faster: Adverse Event
30	SMW09B5A	Num	8	SMW09B5A SMW related AE: Angina
31	SMW09B5B	Num	8	SMW09B5B SMW related AE: Lightheadedness
32	SMW09B5C	Num	8	SMW09B5C SMW related AE: Intolerable dyspnea
33	SMW09B5D	Num	8	SMW09B5D SMW related AE: Leg cramps
34	SMW09B5E	Num	8	SMW09B5E SMW related AE: Staggering
35	SMW09B5F	Num	8	SMW09B5F SMW related AE: Diaphoresis
36	SMW09B5G	Num	8	SMW09B5G SMW related AE: Pale or ashen appearance
37	SMW09B5H	Num	8	SMW09B5H SMW related AE: Mental confusion or headache

Num	Variable	Type	Len	Label
38	SMW09B5I	Num	8	SMW09B5I SMW related AE: Other
39	VERSION	Char	21	Version
40	SMW0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_spw_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	SPW01	Num	8	SPW01 Weight of entire sample
6	SPW02A	Num	8	SPW02A Salivary Contamination: Minimal
7	SPW02B	Num	8	SPW02B Salivary Contamination: Mild
8	SPW02C	Num	8	SPW02C Salivary Contamination: Moderate
9	SPW02D	Num	8	SPW02D Salivary Contamination: Excessive
10	SPW03A	Num	8	SPW03A Consistency: Watery
11	SPW03B	Num	8	SPW03B Consistency: Mucoid
12	SPW03C	Num	8	SPW03C Consistency: Purulent (puss)
13	SPW04A	Num	8	SPW04A Mucus plugs: Numerous
14	SPW04B	Num	8	SPW04B Mucus plugs: Moderate number
15	SPW04C	Num	8	SPW04C Mucus plugs: Sparse
16	SPW04D	Num	8	SPW04D Mucus plugs: Large
17	SPW04E	Num	8	SPW04E Mucus plugs: Small
18	SPW04F	Num	8	SPW04F Mucus plugs: Dense/flocculent
19	SPW04G	Num	8	SPW04G Mucus plugs: Diffuse opacity
20	SPW05A	Num	8	SPW05A Color of plugs: Clear
21	SPW05B	Num	8	SPW05B Color of plugs: White
22	SPW05C	Num	8	SPW05C Color of plugs: Yellow/Tan
23	SPW05D	Num	8	SPW05D Color of plugs: Brown
24	SPW06	Char	2000	SPW06 General Notes
25	SPW07A	Num	8	SPW07A Mucin Method: SPW07A Weighing Trayweight in grams
26	SPW07B	Num	8	SPW07B Mucin Method: SPW07B Whole Sputumweight in grams
27	SPW07C	Num	8	SPW07C Mucin Method: SPW07C Guanidine Vol.weight in grams
28	SPW08A	Num	8	SPW08A Microbiology Method: SPW08A Microcentrifuge tubeweight in grams
29	SPW08B	Num	8	SPW08B Microbiology Method: SPW08B Whole sputumweight in grams
30	SPW09A	Num	8	SPW09A Viscoelastic Method: SPW09A Microcentrifuge tubeweight in grams
31	SPW09B	Num	8	SPW09B Viscoelastic Method: SPW09B Whole sputumweight in grams
32	SPW10A	Num	8	SPW10A EDTA processing: SPW10A Weight of centrifuge tube
33	SPW10B	Num	8	SPW10B EDTA processing: SPW10B Weight of sputum
34	SPW10C	Num	8	SPW10C EDTA processing: SPW10C 1% sputolysin volume
35	SPW10D	Num	8	SPW10D EDTA processing: SPW10D Volume EDTA added
36	SPW10E	Char	5	SPW10E EDTA processing: SPW10E Time of 15 minute tumble
37	SPW10F	Num	8	SPW10F EDTA processing: SPW10F Volume EDTA added after tumble

Num	Variable	Type	Len	Label
38	SPW10G	Char	5	SPW10G EDTA processing: SPW10G Time of 5 minute tumble
39	SPW11A	Num	8	SPW11A Supernatants: SPW11A Number of aliquots in SPW11A
40	SPW11B	Num	8	SPW11B Supernatants: SPW11B Volume stored in SPW11B
41	SPW11C	Num	8	SPW11C Supernatants: SPW11C Number of aliquots in SPW11C
42	SPW11D	Num	8	SPW11D Supernatants: SPW11D Volumbe stored in SPW11D
43	SPW11E	Num	8	SPW11E Supernatants: SPW11E Volume of Hanks added
44	SPW12A1	Num	8	SPW12A1 Cell counts: SPW12A1 Dead cell count in SPW12A1
45	SPW12A2	Num	8	SPW12A2 Cell counts: SPW12A2 Live cell count in SPW12A2
46	SPW12A3	Num	8	SPW12A3 Cell counts: SPW12A3 Total cell count in SPW12A3
47	SPW12B1	Num	8	SPW12B1 Cell counts: SPW12B1 Dead cell count in SPW12B1
48	SPW12B2	Num	8	SPW12B2 Cell counts: SPW12B2 Live cell count in SPW12B2
49	SPW12B3	Num	8	SPW12B3 Cell counts: SPW12B3 Total cell count in SPW12B3
50	SPW12C1	Num	8	SPW12C1 Cell counts: SPW12C1 Dead cell count in SPW12C1
51	SPW12C2	Num	8	SPW12C2 Cell counts: SPW12C2 Live cell count in SPW12C2
52	SPW12C3	Num	8	SPW12C3 Cell counts: SPW12C3 Dead cell count in SPW12C3
53	SPW12D1	Num	8	SPW12D1 Cell counts: SPW12D1 Dead cell count in SPW12D1
54	SPW12D2	Num	8	SPW12D2 Cell counts: SPW12D2 Live cell count in SPW12D2
55	SPW12D3	Num	8	SPW12D3 Cell counts: SPW12D3 Total cell count in SPW12D3
56	SPW12E1	Num	8	SPW12E1 Cell counts: SPW12E1 Dead cell count in SPW12E1
57	SPW12E2	Num	8	SPW12E2 Cell counts: SPW12E2 Live cell count in SPW12E2
58	SPW12E3	Num	8	SPW12E3 Cell counts: SPW12F Totals
59	SPW12F	Num	8	SPW12F Cell counts: SPW12F TCC
60	SPW12G	Num	8	SPW12G Cell counts: SPW12G TCC/Weight of selected sample
61	SPW12H	Num	8	SPW12H Cell counts: SPW12H Viability
62	SPW13	Num	8	SPW13 Hema 3 stained slides
63	SPW14	Num	8	SPW14 Trizol Cell Pellet: Number of cells
64	SPW06A	Char	1	6a) Sputum processing method
65	SPW0D	Char	5	Processing Started
66	SPW0D_AMPM	Char	1	AM/PM
67	SPW0E	Char	5	Processing Ended
68	SPW0E_AMPM	Char	1	AM/PM
69	VERSION	Char	21	Version
70	SPW0A_DAYS	Num	8	Form Date - Days from enrollment
71	SPW0C_DAYS	Num	8	Date Collected - Days from enrollment

Data Set Name: r1_vsa_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Public Repeatability ID
3	FORM	Char	10	Form
4	VISIT	Char	10	Visit
5	VSA01	Char	1	VSA01 1 MET
6	VSA02	Char	1	VSA02 2 METs
7	VSA03	Char	1	VSA03 3 METs
8	VSA04	Char	1	VSA04 4 METs
9	VSA05	Char	1	VSA05 5 METs
10	VSA06	Char	1	VSA06 6 METs
11	VSA07	Char	1	VSA07 7 METs
12	VSA08	Char	1	VSA08 8 METs
13	VSA09	Char	1	VSA09 9 METs
14	VSA10	Char	1	VSA10 10 METs
15	VSA11	Char	1	VSA11 11 METs
16	VSA12	Char	1	VSA12 12 METs
17	VSA13	Char	1	VSA13 13 METs
18	VERSION	Char	21	Version
19	VSASCORE01	Num	8	Baseline veteran specific activity score
20	VSA0A_DAYS	Num	8	Form Date - Days from enrollment

Data Set Name: r1_arup_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Blind Repeatability ID
3	REPEATABILITY	Num	8	Enrolled in Repeatability and Replicate Substudy
4	ANAB_URN	Char	14	Anabasine level. Anabasine is a minor alkaloid in the tobacco plant and is a biomarker of active tobacco use. However, anabasine is detected in the urine of approximately 5% of non-tobacco users.
5	COT_3H_URN	Char	14	Cotinine 3OH level. Nicotine is metabolized to cotinine, and 3-OH-cotinine is a metabolite of cotinine. This metabolite may persist beyond 2 weeks of abstinence from nicotine use.
6	CRT_DL_URINE	Char	14	Urine creatinine level
7	COT_URN	Char	14	Cotinine level. Cotinine is the major metabolite of nicotine and has a half-life of approximately 16 hours.
8	NRNC_URN	Char	14	Nornicotine level. Nornicotine may be present in tobacco products or may result from metabolism of nicotine.
9	NIC_URN	Char	14	Nicotine level
10	ANAB_URN_UNIT	Char	8	Anabasine unit
11	COT_3H_URN_UNIT	Char	8	Cotinine 3OH unit
12	CRT_DL_URINE_UNIT	Char	8	Urine creatinine unit
13	COT_URN_UNIT	Char	8	Cotinine unit
14	NRNC_URN_UNIT	Char	8	Nornicotine unit
15	NIC_URN_UNIT	Char	8	Nicotine unit
16	VISIT	Char	10	Visit
17	NICOTINE_UR	Num	8	Indicator if nicotine levels are elevated (1 - Nic_URN>2, 0 - Nic_URN<=2)
18	COTININE_UR	Num	8	Indicator if cotinine levels are elevated (1 - Cot_URN>5, 0 - Cot_URN<=5)
19	COTININE_3OH_UR	Num	8	Indicator if cotinine 3OH levels are elevated (1 - Cot_3H_URN>50, 0 - Cot_3H_URN<=50)
20	NORNICOTINE_UR	Num	8	Indicator if nornicotine levels are elevated (1 - NRNC_URN>2, 0 - NRNC_URN<=2)
21	ANABASINE_UR	Num	8	Indicator if anabsine levels are elevated (1 - ANAB_URN>3, 0 - ANAB_URN<=3)

Data Set Name: r1_cyto_nhlbiv1_180314.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Blind Repeatability ID
3	CYT_RAW_IL6	Char	7	Raw value of IL6
4	CYT_IMPUT_FLAG_IL6	Num	8	Type of Imputation: IL6
5	CYT_RAW_CC16	Char	12	Raw value of CC16
6	CYT_CC16	Num	8	Imputed CC16 Value
7	CYT_IMPUT_FLAG_CC16	Num	8	Type of Imputation: CC16
8	CYT_RAW_CCL20	Char	8	Raw value of CCL20
9	CYT_CCL20	Num	8	Imputed CCL20 Value
10	CYT_IMPUT_FLAG_CCL20	Num	8	Type of Imputation: CCL20
11	CYT_RAW_GDF_15	Char	12	Raw value of GDF-15
12	CYT_GDF_15	Num	8	Imputed GDF-15 Value
13	CYT_IMPUT_FLAG_GDF_15	Num	8	Type of Imputation: GDF-15
14	REPEATABILITY	Num	8	Enrolled in Repeatability and Replicate Substudy
15	CYTOKINE_BATCH	Char	7	Indicates batch number of cytokine analysis

Data Set Name: r1_ige_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	
3	REPEATABILITY	Num	8	Enrolled in Repeatability and Replicate Substudy
4	TESTCODE	Char	4	TestCode
5	TEST_NAME	Char	9	Test Name
6	IGE_RAW_RESULT	Char	4	Raw value of IgE Result
7	IGE_IMPUT_FLAG_RESULT	Num	8	Type of Imputation: IgE Result
8	IGE_RESULT	Num	8	Imputed IgE Result Value
9	VISIT	Char	10	Visit
10	IGE_BATCH	Num	8	Indicates batch number of IgE analysis
11	COLLECT_DATE_DAYS	Num	8	Collect Date - Days from enrollment
12	RESULT_DATE_DAYS	Num	8	Result Date - Days from enrollment

Data Set Name: r1_rbm2_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	R_BLINDID	Char	5	Blind Repeatability ID
3	REPEATABILITY	Num	8	Flag indicating the labid is selected from repeatability substudy
4	VISIT	Char	10	Visit
5	A2M_UNIT	Char	5	Analyte unit
6	A2M_LOW_RANGE	Char	5	Low range for analyte
7	A2M_HIGH_RANGE	Char	5	High range for analyte
8	A2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
9	A2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
10	ADIPOQ_UNIT	Char	5	Analyte unit
11	ADIPOQ_LOW_RANGE	Char	5	Low range for analyte
12	ADIPOQ_HIGH_RANGE	Char	5	High range for analyte
13	ADIPOQ_LDD	Num	8	LDD (Least Detectable Dose) for analyte
14	ADIPOQ_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
15	AGER_UNIT	Char	5	Analyte unit
16	AGER_LOW_RANGE	Char	5	Low range for analyte
17	AGER_HIGH_RANGE	Char	5	High range for analyte
18	AGER_LDD	Num	8	LDD (Least Detectable Dose) for analyte
19	AGER_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
20	APCS_UNIT	Char	5	Analyte unit
21	APCS_LOW_RANGE	Char	5	Low range for analyte
22	APCS_HIGH_RANGE	Char	5	High range for analyte
23	APCS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
24	APCS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
25	B2M_UNIT	Char	5	Analyte unit
26	B2M_LOW_RANGE	Char	5	Low range for analyte
27	B2M_HIGH_RANGE	Char	5	High range for analyte
28	B2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
29	B2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
30	BDNF_UNIT	Char	5	Analyte unit
31	BDNF_LOW_RANGE	Char	5	Low range for analyte
32	BDNF_HIGH_RANGE	Char	5	High range for analyte
33	BDNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
34	BDNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
35	C3_UNIT	Char	6	Analyte unit
36	C3_LOW_RANGE	Char	6	Low range for analyte
37	C3_HIGH_RANGE	Char	6	High range for analyte

Num	Variable	Type	Len	Label
38	C3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
39	C3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
40	CCL11_UNIT	Char	5	Analyte unit
41	CCL11_LOW_RANGE	Char	5	Low range for analyte
42	CCL11_HIGH_RANGE	Char	5	High range for analyte
43	CCL11_LDD	Num	8	LDD (Least Detectable Dose) for analyte
44	CCL11_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
45	CCL13_UNIT	Char	5	Analyte unit
46	CCL13_LOW_RANGE	Char	5	Low range for analyte
47	CCL13_HIGH_RANGE	Char	5	High range for analyte
48	CCL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
49	CCL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
50	CCL18_UNIT	Char	5	Analyte unit
51	CCL18_LOW_RANGE	Char	5	Low range for analyte
52	CCL18_HIGH_RANGE	Char	5	High range for analyte
53	CCL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
54	CCL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
55	CCL2_UNIT	Char	5	Analyte unit
56	CCL2_LOW_RANGE	Char	5	Low range for analyte
57	CCL2_HIGH_RANGE	Char	5	High range for analyte
58	CCL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
59	CCL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
60	CCL20_UNIT	Char	5	Analyte unit
61	CCL20_LOW_RANGE	Char	5	Low range for analyte
62	CCL20_HIGH_RANGE	Char	5	High range for analyte
63	CCL20_LDD	Num	8	LDD (Least Detectable Dose) for analyte
64	CCL20_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
65	CCL23_UNIT	Char	5	Analyte unit
66	CCL23_LOW_RANGE	Char	5	Low range for analyte
67	CCL23_HIGH_RANGE	Char	5	High range for analyte
68	CCL23_LDD	Num	8	LDD (Least Detectable Dose) for analyte
69	CCL23_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
70	CCL24_UNIT	Char	5	Analyte unit
71	CCL24_LOW_RANGE	Char	5	Low range for analyte
72	CCL24_HIGH_RANGE	Char	5	High range for analyte
73	CCL24_LDD	Num	8	LDD (Least Detectable Dose) for analyte
74	CCL24_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
75	CCL3_UNIT	Char	5	Analyte unit
76	CCL3_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
77	CCL3_HIGH_RANGE	Char	5	High range for analyte
78	CCL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
79	CCL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
80	CCL4_UNIT	Char	5	Analyte unit
81	CCL4_LOW_RANGE	Char	5	Low range for analyte
82	CCL4_HIGH_RANGE	Char	5	High range for analyte
83	CCL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
84	CCL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
85	CCL5_UNIT	Char	5	Analyte unit
86	CCL5_LOW_RANGE	Char	5	Low range for analyte
87	CCL5_HIGH_RANGE	Char	5	High range for analyte
88	CCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
89	CCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
90	CCL8_UNIT	Char	5	Analyte unit
91	CCL8_LOW_RANGE	Char	5	Low range for analyte
92	CCL8_HIGH_RANGE	Char	5	High range for analyte
93	CCL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
94	CCL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
95	CDH1_UNIT	Char	5	Analyte unit
96	CDH1_LOW_RANGE	Char	5	Low range for analyte
97	CDH1_HIGH_RANGE	Char	5	High range for analyte
98	CDH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
99	CDH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
100	CHGA_UNIT	Char	5	Analyte unit
101	CHGA_LOW_RANGE	Char	5	Low range for analyte
102	CHGA_HIGH_RANGE	Char	5	High range for analyte
103	CHGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
104	CHGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
105	CRP_UNIT	Char	5	Analyte unit
106	CRP_LOW_RANGE	Char	5	Low range for analyte
107	CRP_HIGH_RANGE	Char	5	High range for analyte
108	CRP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
109	CRP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
110	CSF2_UNIT	Char	5	Analyte unit
111	CSF2_LOW_RANGE	Char	5	Low range for analyte
112	CSF2_HIGH_RANGE	Char	5	High range for analyte
113	CSF2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
114	CSF2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
115	CSTB_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
116	CSTB_LOW_RANGE	Char	5	Low range for analyte
117	CSTB_HIGH_RANGE	Char	5	High range for analyte
118	CSTB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
119	CSTB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
120	CXCL1_UNIT	Char	5	Analyte unit
121	CXCL1_LOW_RANGE	Char	5	Low range for analyte
122	CXCL1_HIGH_RANGE	Char	5	High range for analyte
123	CXCL1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
124	CXCL1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
125	CXCL10_UNIT	Char	5	Analyte unit
126	CXCL10_LOW_RANGE	Char	5	Low range for analyte
127	CXCL10_HIGH_RANGE	Char	5	High range for analyte
128	CXCL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
129	CXCL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
130	CXCL9_UNIT	Char	5	Analyte unit
131	CXCL9_LOW_RANGE	Char	5	Low range for analyte
132	CXCL9_HIGH_RANGE	Char	5	High range for analyte
133	CXCL9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
134	CXCL9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
135	F7_UNIT	Char	5	Analyte unit
136	F7_LOW_RANGE	Char	5	Low range for analyte
137	F7_HIGH_RANGE	Char	5	High range for analyte
138	F7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
139	F7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
140	FGA_FGB_FGG_UNIT	Char	6	Analyte unit
141	FGA_FGB_FGG_LOW_RANGE	Char	6	Low range for analyte
142	FGA_FGB_FGG_HIGH_RANGE	Char	6	High range for analyte
143	FGA_FGB_FGG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
144	FGA_FGB_FGG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
145	FTL_FTH1_UNIT	Char	5	Analyte unit
146	FTL_FTH1_LOW_RANGE	Char	5	Low range for analyte
147	FTL_FTH1_HIGH_RANGE	Char	5	High range for analyte
148	FTL_FTH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
149	FTL_FTH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
150	GC_UNIT	Char	5	Analyte unit
151	GC_LOW_RANGE	Char	5	Low range for analyte
152	GC_HIGH_RANGE	Char	5	High range for analyte
153	GC_LDD	Num	8	LDD (Least Detectable Dose) for analyte
154	GC_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
155	HP_UNIT	Char	5	Analyte unit
156	HP_LOW_RANGE	Char	5	Low range for analyte
157	HP_HIGH_RANGE	Char	5	High range for analyte
158	HP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
159	HP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
160	ICAM1_UNIT	Char	5	Analyte unit
161	ICAM1_LOW_RANGE	Char	5	Low range for analyte
162	ICAM1_HIGH_RANGE	Char	5	High range for analyte
163	ICAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
164	ICAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
165	IFNG_UNIT	Char	5	Analyte unit
166	IFNG_LOW_RANGE	Char	5	Low range for analyte
167	IFNG_HIGH_RANGE	Char	5	High range for analyte
168	IFNG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
169	IFNG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
170	IGA_UNIT	Char	5	Analyte unit
171	IGA_LOW_RANGE	Char	5	Low range for analyte
172	IGA_HIGH_RANGE	Char	5	High range for analyte
173	IGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
174	IGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
175	IGM_UNIT	Char	5	Analyte unit
176	IGM_LOW_RANGE	Char	5	Low range for analyte
177	IGM_HIGH_RANGE	Char	5	High range for analyte
178	IGM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
179	IGM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
180	IL10_UNIT	Char	5	Analyte unit
181	IL10_LOW_RANGE	Char	5	Low range for analyte
182	IL10_HIGH_RANGE	Char	5	High range for analyte
183	IL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
184	IL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
185	IL12A_IL12B_UNIT	Char	5	Analyte unit
186	IL12A_IL12B_LOW_RANGE	Char	5	Low range for analyte
187	IL12A_IL12B_HIGH_RANGE	Char	5	High range for analyte
188	IL12A_IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
189	IL12A_IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
190	IL12B_UNIT	Char	5	Analyte unit
191	IL12B_LOW_RANGE	Char	5	Low range for analyte
192	IL12B_HIGH_RANGE	Char	5	High range for analyte
193	IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
194	IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
195	IL15_UNIT	Char	5	Analyte unit
196	IL15_LOW_RANGE	Char	5	Low range for analyte
197	IL15_HIGH_RANGE	Char	5	High range for analyte
198	IL15_LDD	Num	8	LDD (Least Detectable Dose) for analyte
199	IL15_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
200	IL17A_UNIT	Char	5	Analyte unit
201	IL17A_LOW_RANGE	Char	5	Low range for analyte
202	IL17A_HIGH_RANGE	Char	5	High range for analyte
203	IL17A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
204	IL17A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
205	IL18_UNIT	Char	5	Analyte unit
206	IL18_LOW_RANGE	Char	5	Low range for analyte
207	IL18_HIGH_RANGE	Char	5	High range for analyte
208	IL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
209	IL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
210	IL1A_UNIT	Char	6	Analyte unit
211	IL1A_LOW_RANGE	Char	6	Low range for analyte
212	IL1A_HIGH_RANGE	Char	6	High range for analyte
213	IL1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
214	IL1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
215	IL1B_UNIT	Char	5	Analyte unit
216	IL1B_LOW_RANGE	Char	5	Low range for analyte
217	IL1B_HIGH_RANGE	Char	5	High range for analyte
218	IL1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
219	IL1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
220	IL1RN_UNIT	Char	5	Analyte unit
221	IL1RN_LOW_RANGE	Char	5	Low range for analyte
222	IL1RN_HIGH_RANGE	Char	5	High range for analyte
223	IL1RN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
224	IL1RN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
225	IL2_UNIT	Char	5	Analyte unit
226	IL2_LOW_RANGE	Char	5	Low range for analyte
227	IL2_HIGH_RANGE	Char	5	High range for analyte
228	IL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
229	IL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
230	IL23A_UNIT	Char	5	Analyte unit
231	IL23A_LOW_RANGE	Char	5	Low range for analyte
232	IL23A_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
233	IL23A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
234	IL23A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
235	IL2RA_UNIT	Char	5	Analyte unit
236	IL2RA_LOW_RANGE	Char	5	Low range for analyte
237	IL2RA_HIGH_RANGE	Char	5	High range for analyte
238	IL2RA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
239	IL2RA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
240	IL3_UNIT	Char	6	Analyte unit
241	IL3_LOW_RANGE	Char	6	Low range for analyte
242	IL3_HIGH_RANGE	Char	6	High range for analyte
243	IL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
244	IL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
245	IL4_UNIT	Char	5	Analyte unit
246	IL4_LOW_RANGE	Char	5	Low range for analyte
247	IL4_HIGH_RANGE	Char	5	High range for analyte
248	IL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
249	IL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
250	IL5_UNIT	Char	5	Analyte unit
251	IL5_LOW_RANGE	Char	5	Low range for analyte
252	IL5_HIGH_RANGE	Char	5	High range for analyte
253	IL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
254	IL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
255	IL6_UNIT	Char	5	Analyte unit
256	IL6_LOW_RANGE	Char	5	Low range for analyte
257	IL6_HIGH_RANGE	Char	5	High range for analyte
258	IL6_LDD	Num	8	LDD (Least Detectable Dose) for analyte
259	IL6_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
260	IL6R_UNIT	Char	5	Analyte unit
261	IL6R_LOW_RANGE	Char	5	Low range for analyte
262	IL6R_HIGH_RANGE	Char	5	High range for analyte
263	IL6R_LDD	Num	8	LDD (Least Detectable Dose) for analyte
264	IL6R_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
265	IL7_UNIT	Char	5	Analyte unit
266	IL7_LOW_RANGE	Char	5	Low range for analyte
267	IL7_HIGH_RANGE	Char	5	High range for analyte
268	IL7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
269	IL7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
270	IL8_UNIT	Char	5	Analyte unit
271	IL8_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
272	IL8_HIGH_RANGE	Char	5	High range for analyte
273	IL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
274	IL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
275	KIT_UNIT	Char	5	Analyte unit
276	KIT_LOW_RANGE	Char	5	Low range for analyte
277	KIT_HIGH_RANGE	Char	5	High range for analyte
278	KIT_LDD	Num	8	LDD (Least Detectable Dose) for analyte
279	KIT_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
280	KITLG_UNIT	Char	5	Analyte unit
281	KITLG_LOW_RANGE	Char	5	Low range for analyte
282	KITLG_HIGH_RANGE	Char	5	High range for analyte
283	KITLG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
284	KITLG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
285	LPA_UNIT	Char	5	Analyte unit
286	LPA_LOW_RANGE	Char	5	Low range for analyte
287	LPA_HIGH_RANGE	Char	5	High range for analyte
288	LPA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
289	LPA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
290	LTA_UNIT	Char	5	Analyte unit
291	LTA_LOW_RANGE	Char	5	Low range for analyte
292	LTA_HIGH_RANGE	Char	5	High range for analyte
293	LTA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
294	LTA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
295	LTF_UNIT	Char	5	Analyte unit
296	LTF_LOW_RANGE	Char	5	Low range for analyte
297	LTF_HIGH_RANGE	Char	5	High range for analyte
298	LTF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
299	LTF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
300	MB_UNIT	Char	5	Analyte unit
301	MB_LOW_RANGE	Char	5	Low range for analyte
302	MB_HIGH_RANGE	Char	5	High range for analyte
303	MB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
304	MB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
305	MMP3_UNIT	Char	5	Analyte unit
306	MMP3_LOW_RANGE	Char	5	Low range for analyte
307	MMP3_HIGH_RANGE	Char	5	High range for analyte
308	MMP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
309	MMP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
310	MMP9_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
311	MMP9_LOW_RANGE	Char	5	Low range for analyte
312	MMP9_HIGH_RANGE	Char	5	High range for analyte
313	MMP9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
314	MMP9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
315	NGF_UNIT	Char	5	Analyte unit
316	NGF_LOW_RANGE	Char	5	Low range for analyte
317	NGF_HIGH_RANGE	Char	5	High range for analyte
318	NGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
319	NGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
320	NRCAM_UNIT	Char	5	Analyte unit
321	NRCAM_LOW_RANGE	Char	5	Low range for analyte
322	NRCAM_HIGH_RANGE	Char	5	High range for analyte
323	NRCAM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
324	NRCAM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
325	S100A12_UNIT	Char	5	Analyte unit
326	S100A12_LOW_RANGE	Char	5	Low range for analyte
327	S100A12_HIGH_RANGE	Char	5	High range for analyte
328	S100A12_LDD	Num	8	LDD (Least Detectable Dose) for analyte
329	S100A12_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
330	S100B_UNIT	Char	5	Analyte unit
331	S100B_LOW_RANGE	Char	5	Low range for analyte
332	S100B_HIGH_RANGE	Char	5	High range for analyte
333	S100B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
334	S100B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
335	SELE_UNIT	Char	5	Analyte unit
336	SELE_LOW_RANGE	Char	5	Low range for analyte
337	SELE_HIGH_RANGE	Char	5	High range for analyte
338	SELE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
339	SELE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
340	SERPINA1_UNIT	Char	5	Analyte unit
341	SERPINA1_LOW_RANGE	Char	5	Low range for analyte
342	SERPINA1_HIGH_RANGE	Char	5	High range for analyte
343	SERPINA1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
344	SERPINA1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
345	SERPINA7_UNIT	Char	5	Analyte unit
346	SERPINA7_LOW_RANGE	Char	5	Low range for analyte
347	SERPINA7_HIGH_RANGE	Char	5	High range for analyte
348	SERPINA7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
349	SERPINA7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
350	SERPINE1_UNIT	Char	5	Analyte unit
351	SERPINE1_LOW_RANGE	Char	5	Low range for analyte
352	SERPINE1_HIGH_RANGE	Char	5	High range for analyte
353	SERPINE1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
354	SERPINE1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
355	SHBG_UNIT	Char	6	Analyte unit
356	SHBG_LOW_RANGE	Char	6	Low range for analyte
357	SHBG_HIGH_RANGE	Char	6	High range for analyte
358	SHBG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
359	SHBG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
360	SLPI_UNIT	Char	5	Analyte unit
361	SLPI_LOW_RANGE	Char	5	Low range for analyte
362	SLPI_HIGH_RANGE	Char	5	High range for analyte
363	SLPI_LDD	Num	8	LDD (Least Detectable Dose) for analyte
364	SLPI_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
365	SOD1_UNIT	Char	5	Analyte unit
366	SOD1_LOW_RANGE	Char	5	Low range for analyte
367	SOD1_HIGH_RANGE	Char	5	High range for analyte
368	SOD1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
369	SOD1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
370	SORT1_UNIT	Char	5	Analyte unit
371	SORT1_LOW_RANGE	Char	5	Low range for analyte
372	SORT1_HIGH_RANGE	Char	5	High range for analyte
373	SORT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
374	SORT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
375	SPINK1_UNIT	Char	5	Analyte unit
376	SPINK1_LOW_RANGE	Char	5	Low range for analyte
377	SPINK1_HIGH_RANGE	Char	5	High range for analyte
378	SPINK1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
379	SPINK1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
380	TGFB1_LAP_UNIT	Char	5	Analyte unit
381	TGFB1_LAP_LOW_RANGE	Char	5	Low range for analyte
382	TGFB1_LAP_HIGH_RANGE	Char	5	High range for analyte
383	TGFB1_LAP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
384	TGFB1_LAP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
385	TIMP1_UNIT	Char	5	Analyte unit
386	TIMP1_LOW_RANGE	Char	5	Low range for analyte
387	TIMP1_HIGH_RANGE	Char	5	High range for analyte
388	TIMP1_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
389	TIMP1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
390	TIMP2_UNIT	Char	5	Analyte unit
391	TIMP2_LOW_RANGE	Char	5	Low range for analyte
392	TIMP2_HIGH_RANGE	Char	5	High range for analyte
393	TIMP2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
394	TIMP2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
395	TNF_UNIT	Char	5	Analyte unit
396	TNF_LOW_RANGE	Char	5	Low range for analyte
397	TNF_HIGH_RANGE	Char	5	High range for analyte
398	TNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
399	TNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
400	TNFRSF11B_UNIT	Char	4	Analyte unit
401	TNFRSF11B_LOW_RANGE	Char	4	Low range for analyte
402	TNFRSF11B_HIGH_RANGE	Char	4	High range for analyte
403	TNFRSF11B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
404	TNFRSF11B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
405	TNFRSF1A_UNIT	Char	5	Analyte unit
406	TNFRSF1A_LOW_RANGE	Char	5	Low range for analyte
407	TNFRSF1A_HIGH_RANGE	Char	5	High range for analyte
408	TNFRSF1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
409	TNFRSF1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
410	TNFRSF1B_UNIT	Char	5	Analyte unit
411	TNFRSF1B_LOW_RANGE	Char	5	Low range for analyte
412	TNFRSF1B_HIGH_RANGE	Char	5	High range for analyte
413	TNFRSF1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
414	TNFRSF1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
415	VCAM1_UNIT	Char	5	Analyte unit
416	VCAM1_LOW_RANGE	Char	5	Low range for analyte
417	VCAM1_HIGH_RANGE	Char	5	High range for analyte
418	VCAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
419	VCAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
420	VEGFA_UNIT	Char	5	Analyte unit
421	VEGFA_LOW_RANGE	Char	5	Low range for analyte
422	VEGFA_HIGH_RANGE	Char	5	High range for analyte
423	VEGFA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
424	VEGFA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
425	VTN_UNIT	Char	5	Analyte unit
426	VTN_LOW_RANGE	Char	5	Low range for analyte
427	VTN_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
428	VTN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
429	VTN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
430	VWF_UNIT	Char	5	Analyte unit
431	VWF_LOW_RANGE	Char	5	Low range for analyte
432	VWF_HIGH_RANGE	Char	5	High range for analyte
433	VWF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
434	VWF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
435	A2M	Num	8	Alpha-2-Macroglobulin (A2M)
436	ADIPOQ	Num	8	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
437	AGER	Num	8	Advanced glycosylation end product-specific receptor (AGER)
438	APCS	Num	8	Amyloid P-component, serum (APCS)
439	B2M	Num	8	Beta-2-microglobulin (B2M)
440	BDNF	Num	8	Brain-derived neurotrophic factor (BDNF)
441	C3	Num	8	Complement component C3 (C3)
442	CCL11	Num	8	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
443	CCL13	Num	8	Chemokine (C-C motif) ligand 13 (CCL13)
444	CCL18	Num	8	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) (CCL18)
445	CCL2	Num	8	Chemokine (C-C motif) ligand 2 (CCL2)
446	CCL20	Num	8	Chemokine (C-C motif) ligand 20 (CCL20)
447	CCL23	Num	8	Chemokine (C-C motif) ligand 23 (CCL23)
448	CCL24	Num	8	Chemokine (C-C motif) ligand 24 (CCL24)
449	CCL3	Num	8	Chemokine (C-C motif) ligand 3 (CCL3)
450	CCL4	Num	8	Chemokine (C-C motif) ligand 4 (CCL4)
451	CCL5	Num	8	chemokine (C-C motif) ligand 5 (CCL5)
452	CCL8	Num	8	Chemokine (C-C motif) ligand 8 (CCL8)
453	CDH1	Num	8	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
454	CHGA	Num	8	Chromogranin A (parathyroid secretory protein 1) (CHGA)
455	CRP	Num	8	C-reactive protein, pentraxin-related (CRP)
456	CSF2	Num	8	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
457	CSTB	Num	8	Cystatin B (stefin B) (CSTB)
458	CXCL1	Num	8	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
459	CXCL10	Num	8	Chemokine (C-X-C motif) ligand 10 (CXCL10)
460	CXCL9	Num	8	Chemokine (C-X-C motif) ligand 9 (CXCL9)
461	F7	Num	8	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
462	FGA_FGB_FGG	Num	8	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
463	FTL_FTH1	Num	8	Ferritin [FT(L/H1)]
464	GC	Num	8	Group-specific component (vitamin D binding protein) (GC)
465	HP	Num	8	Haptoglobin (HP)
466	ICAM1	Num	8	Intercellular Adhesion Molecule 1 (ICAM1)

Num	Variable	Type	Len	Label
467	IFNG	Num	8	Interferon, gamma (IFNG)
468	IGA	Num	8	Immunoglobulin A (IgA)
469	IGM	Num	8	Immunoglobulin M
470	IL10	Num	8	Interleukin 10 (IL10)
471	IL12A_IL12B	Num	8	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
472	IL12B	Num	8	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
473	IL15	Num	8	Interleukin 15 (IL15)
474	IL17A	Num	8	Interleukin 17 (IL17A)
475	IL18	Num	8	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
476	IL1A	Num	8	Interleukin 1, alpha (IL1A)
477	IL1B	Num	8	Interleukin 1, beta (IL1B)
478	IL1RN	Num	8	Interleukin 1 receptor antagonist (IL1RN)
479	IL2	Num	8	Interleukin 2 (IL2)
480	IL23A	Num	8	Interleukin 23, alpha subunit p19 (IL23A)
481	IL2RA	Num	8	Interleukin 2 receptor, alpha (IL2RA)
482	IL3	Num	8	Interleukin 3 (IL3)
483	IL4	Num	8	Interleukin 4 (IL4)
484	IL5	Num	8	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
485	IL6	Num	8	Interleukin 6 (interferon, beta 2) (IL6)
486	IL6R	Num	8	Interleukin-6 receptor (IL6R)
487	IL7	Num	8	Interleukin 7 (IL7)
488	IL8	Num	8	Interleukin 8 (IL8)
489	KIT	Num	8	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
490	KITLG	Num	8	KIT ligand (KITLG)
491	LPA	Num	8	Lipoprotein, (Lp(a) (LPA)
492	LTA	Num	8	Lymphotoxin alpha (LTA)
493	LTF	Num	8	Lactotransferrin
494	MB	Num	8	Myoglobin (MB)
495	MMP3	Num	8	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
496	MMP9	Num	8	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
497	NGF	Num	8	Nerve growth gactor (beta polypeptide) (NGF)
498	NRCAM	Num	8	Neuronal Cell Adhesion Molecule (NRCAM)
499	S100A12	Num	8	S100 calcium binding protein A12 (ENRAGE)
500	S100B	Num	8	S100 calcium binding protein B (S100B)
501	SELE	Num	8	Selectin E (SELE)
502	SERPINA1	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
503	SERPINA7	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)

Num	Variable	Type	Len	Label
504	SERPINE1	Num	8	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
505	SHBG	Num	8	Sex Hormone-Binding Globulin (SHBG)
506	SLPI	Num	8	Secretory leukocyte peptidase inhibitor (SLPI)
507	SOD1	Num	8	Superoxide Dismutase 1, soluble (SOD1)
508	SORT1	Num	8	Sortilin 1 (SORT1)
509	SPINK1	Num	8	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
510	TGFB1_LAP	Num	8	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
511	TIMP1	Num	8	TIMP metallopeptidase inhibitor 1 (TIMP1)
512	TIMP2	Num	8	TIMP metallopeptidase inhibitor 2 (TIMP2)
513	TNF	Num	8	Tumor necrosis factor (TNF)
514	TNFRSF11B	Num	8	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
515	TNFRSF1A	Num	8	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
516	TNFRSF1B	Num	8	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
517	VCAM1	Num	8	Vascular cell adhesion molecule 1 (VCAM1)
518	VEGFA	Num	8	Vascular endothelial growth factor (VEGFA)
519	VTN	Num	8	Vitronectin
520	VWF	Num	8	von Willebrand Factor (vWF)
521	ANGPT1_UNIT	Char	5	Analyte unit
522	ANGPT1_LOW_RANGE	Char	5	Low range for analyte
523	ANGPT1_HIGH_RANGE	Char	5	High range for analyte
524	ANGPT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
525	ANGPT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
526	AXL_UNIT	Char	5	Analyte unit
527	AXL_LOW_RANGE	Char	5	Low range for analyte
528	AXL_HIGH_RANGE	Char	5	High range for analyte
529	AXL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
530	AXL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
531	CA9_UNIT	Char	5	Analyte unit
532	CA9_LOW_RANGE	Char	5	Low range for analyte
533	CA9_HIGH_RANGE	Char	5	High range for analyte
534	CA9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
535	CA9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
536	CCL16_UNIT	Char	5	Analyte unit
537	CCL16_LOW_RANGE	Char	5	Low range for analyte
538	CCL16_HIGH_RANGE	Char	5	High range for analyte
539	CCL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
540	CCL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
541	CCL22_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
542	CCL22_LOW_RANGE	Char	5	Low range for analyte
543	CCL22_HIGH_RANGE	Char	5	High range for analyte
544	CCL22_LDD	Num	8	LDD (Least Detectable Dose) for analyte
545	CCL22_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
546	CDH13_UNIT	Char	5	Analyte unit
547	CDH13_LOW_RANGE	Char	5	Low range for analyte
548	CDH13_HIGH_RANGE	Char	5	High range for analyte
549	CDH13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
550	CDH13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
551	CEACAM1_UNIT	Char	5	Analyte unit
552	CEACAM1_LOW_RANGE	Char	5	Low range for analyte
553	CEACAM1_HIGH_RANGE	Char	5	High range for analyte
554	CEACAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
555	CEACAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
556	CKM_CKB_UNIT	Char	5	Analyte unit
557	CKM_CKB_LOW_RANGE	Char	5	Low range for analyte
558	CKM_CKB_HIGH_RANGE	Char	5	High range for analyte
559	CKM_CKB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
560	CKM_CKB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
561	CXCL5_UNIT	Char	5	Analyte unit
562	CXCL5_LOW_RANGE	Char	5	Low range for analyte
563	CXCL5_HIGH_RANGE	Char	5	High range for analyte
564	CXCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
565	CXCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
566	DCN_UNIT	Char	5	Analyte unit
567	DCN_LOW_RANGE	Char	5	Low range for analyte
568	DCN_HIGH_RANGE	Char	5	High range for analyte
569	DCN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
570	DCN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
571	FABP3_UNIT	Char	5	Analyte unit
572	FABP3_LOW_RANGE	Char	5	Low range for analyte
573	FABP3_HIGH_RANGE	Char	5	High range for analyte
574	FABP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
575	FABP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
576	FAS_UNIT	Char	5	Analyte unit
577	FAS_LOW_RANGE	Char	5	Low range for analyte
578	FAS_HIGH_RANGE	Char	5	High range for analyte
579	FAS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
580	FAS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
581	HGF_UNIT	Char	5	Analyte unit
582	HGF_LOW_RANGE	Char	5	Low range for analyte
583	HGF_HIGH_RANGE	Char	5	High range for analyte
584	HGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
585	HGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
586	IGE_UNIT	Char	4	Analyte unit
587	IGE_LOW_RANGE	Char	4	Low range for analyte
588	IGE_HIGH_RANGE	Char	4	High range for analyte
589	IGE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
590	IGE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
591	IL13_UNIT	Char	5	Analyte unit
592	IL13_LOW_RANGE	Char	5	Low range for analyte
593	IL13_HIGH_RANGE	Char	5	High range for analyte
594	IL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
595	IL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
596	IL16_UNIT	Char	5	Analyte unit
597	IL16_LOW_RANGE	Char	5	Low range for analyte
598	IL16_HIGH_RANGE	Char	5	High range for analyte
599	IL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
600	IL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
601	IL18BP_UNIT	Char	5	Analyte unit
602	IL18BP_LOW_RANGE	Char	5	Low range for analyte
603	IL18BP_HIGH_RANGE	Char	5	High range for analyte
604	IL18BP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
605	IL18BP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
606	KLK3_F_UNIT	Char	6	Analyte unit
607	KLK3_F_LOW_RANGE	Char	6	Low range for analyte
608	KLK3_F_HIGH_RANGE	Char	6	High range for analyte
609	KLK3_F_LDD	Num	8	LDD (Least Detectable Dose) for analyte
610	KLK3_F_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
611	MDK_UNIT	Char	5	Analyte unit
612	MDK_LOW_RANGE	Char	5	Low range for analyte
613	MDK_HIGH_RANGE	Char	5	High range for analyte
614	MDK_LDD	Num	8	LDD (Least Detectable Dose) for analyte
615	MDK_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
616	NPPB_PH_UNIT	Char	5	Analyte unit
617	NPPB_PH_LOW_RANGE	Char	5	Low range for analyte
618	NPPB_PH_HIGH_RANGE	Char	5	High range for analyte
619	NPPB_PH_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
620	NPPB_PH_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
621	OLR1_UNIT	Char	5	Analyte unit
622	OLR1_LOW_RANGE	Char	5	Low range for analyte
623	OLR1_HIGH_RANGE	Char	5	High range for analyte
624	OLR1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
625	OLR1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
626	PECAM1_UNIT	Char	5	Analyte unit
627	PECAM1_LOW_RANGE	Char	5	Low range for analyte
628	PECAM1_HIGH_RANGE	Char	5	High range for analyte
629	PECAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
630	PECAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
631	SFTPD_UNIT	Char	5	Analyte unit
632	SFTPD_LOW_RANGE	Char	5	Low range for analyte
633	SFTPD_HIGH_RANGE	Char	5	High range for analyte
634	SFTPD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
635	SFTPD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
636	THBD_UNIT	Char	5	Analyte unit
637	THBD_LOW_RANGE	Char	5	Low range for analyte
638	THBD_HIGH_RANGE	Char	5	High range for analyte
639	THBD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
640	THBD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
641	TNFRSF10C_UNIT	Char	5	Analyte unit
642	TNFRSF10C_LOW_RANGE	Char	5	Low range for analyte
643	TNFRSF10C_HIGH_RANGE	Char	5	High range for analyte
644	TNFRSF10C_LDD	Num	8	LDD (Least Detectable Dose) for analyte
645	TNFRSF10C_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
646	ANGPT1	Num	8	Angiopoietin 1 (ANGPT1)
647	AXL	Num	8	AXL Receptor Tyrosine Kinase (AXL)
648	CA9	Num	8	Carbonic anhydrase IX (CA9)
649	CCL16	Num	8	Chemokine (C-C motif) ligand 16 (CCL16)
650	CCL22	Num	8	chemokine (C-C motif) ligand 22 (CCL22)
651	CDH13	Num	8	Cadherin 13, H-cadherin (heart) (CDH13)
652	CEACAM1	Num	8	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
653	CKM_CKB	Num	8	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
654	CXCL5	Num	8	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
655	DCN	Num	8	Decorin (DCN)
656	FABP3	Num	8	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
657	FAS	Num	8	Fas cell surface death receptor (FAS)

Num	Variable	Type	Len	Label
658	HGF	Num	8	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
659	IGE	Num	8	Immunoglobulin E (IgE)
660	IL13	Num	8	Interleukin 13 (IL13)
661	IL16	Num	8	Interleukin 16 (IL16)
662	IL18BP	Num	8	Interleukin 18 binding protein (IL18BP)
663	KLK3_F	Num	8	Kallikrein-related peptidase 3 (free) (PSAF)
664	MDK	Num	8	Midkine (neurite growth-promoting factor 2) (MDK)
665	NPPB_PH	Num	8	Natriuretic peptide (NPPB; N-terminal prohormone)
666	OLR1	Num	8	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
667	PECAM1	Num	8	Platelet endothelial cell adhesion molecule (PECAM1)
668	SFTPD	Num	8	Surfactant protein D (SFTPD)
669	THBD	Num	8	Thrombomodulin (THBD)
670	TNFRSF10C	Num	8	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
671	ADIPOQ_RAW	Char	5	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
672	SERPINA1_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
673	A2M_RAW	Char	5	Alpha-2-Macroglobulin (A2M)
674	SLPI_RAW	Char	5	Secretory leukocyte peptidase inhibitor (SLPI)
675	LPA_RAW	Char	5	Lipoprotein, (Lp(a) (LPA)
676	B2M_RAW	Char	5	Beta-2-microglobulin (B2M)
677	BDNF_RAW	Char	5	Brain-derived neurotrophic factor (BDNF)
678	CRP_RAW	Char	5	C-reactive protein, pentraxin-related (CRP)
679	CDH1_RAW	Char	5	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
680	CHGA_RAW	Char	5	Chromogranin A (parathyroid secretory protein 1) (CHGA)
681	C3_RAW	Char	6	Complement component C3 (C3)
682	CSTB_RAW	Char	5	Cystatin B (stefin B) (CSTB)
683	SELE_RAW	Char	5	Selectin E (SELE)
684	S100A12_RAW	Char	5	S100 calcium binding protein A12 (ENRAGE)
685	CCL11_RAW	Char	5	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
686	CCL24_RAW	Char	5	Chemokine (C-C motif) ligand 24 (CCL24)
687	F7_RAW	Char	5	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
688	FTL_FTH1_RAW	Char	5	Ferritin [FT(L/H1)]
689	FGA_FGB_FGG_RAW	Char	6	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
690	CSF2_RAW	Char	5	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
691	CXCL1_RAW	Char	5	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
692	HP_RAW	Char	5	Haptoglobin (HP)
693	IGA_RAW	Char	5	Immunoglobulin A (IgA)
694	IGM_RAW	Char	5	Immunoglobulin M

Num	Variable	Type	Len	Label
695	ICAM1_RAW	Char	5	Intercellular Adhesion Molecule 1 (ICAM1)
696	IFNG_RAW	Char	5	Interferon, gamma (IFNG)
697	CXCL10_RAW	Char	5	Chemokine (C-X-C motif) ligand 10 (CXCL10)
698	IL1A_RAW	Char	7	Interleukin 1, alpha (IL1A)
699	IL1B_RAW	Char	5	Interleukin 1, beta (IL1B)
700	IL1RN_RAW	Char	5	Interleukin 1 receptor antagonist (IL1RN)
701	IL2_RAW	Char	5	Interleukin 2 (IL2)
702	IL2RA_RAW	Char	5	Interleukin 2 receptor, alpha (IL2RA)
703	IL3_RAW	Char	6	Interleukin 3 (IL3)
704	IL4_RAW	Char	5	Interleukin 4 (IL4)
705	IL5_RAW	Char	5	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
706	IL6_RAW	Char	5	Interleukin 6 (interferon, beta 2) (IL6)
707	IL6R_RAW	Char	5	Interleukin-6 receptor (IL6R)
708	IL7_RAW	Char	5	Interleukin 7 (IL7)
709	IL8_RAW	Char	5	Interleukin 8 (IL8)
710	IL10_RAW	Char	5	Interleukin 10 (IL10)
711	IL12B_RAW	Char	5	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
712	IL12A_IL12B_RAW	Char	5	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
713	IL15_RAW	Char	5	Interleukin 15 (IL15)
714	IL17A_RAW	Char	5	Interleukin 17 (IL17A)
715	IL18_RAW	Char	5	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
716	IL23A_RAW	Char	5	Interleukin 23, alpha subunit p19 (IL23A)
717	LTF_RAW	Char	5	Lactotransferrin
718	TGFB1_LAP_RAW	Char	5	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
719	CCL3_RAW	Char	5	Chemokine (C-C motif) ligand 3 (CCL3)
720	CCL4_RAW	Char	5	Chemokine (C-C motif) ligand 4 (CCL4)
721	CCL20_RAW	Char	5	Chemokine (C-C motif) ligand 20 (CCL20)
722	KIT_RAW	Char	5	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
723	MMP3_RAW	Char	5	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
724	MMP9_RAW	Char	5	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
725	CCL2_RAW	Char	5	Chemokine (C-C motif) ligand 2 (CCL2)
726	CCL8_RAW	Char	5	Chemokine (C-C motif) ligand 8 (CCL8)
727	CCL13_RAW	Char	5	Chemokine (C-C motif) ligand 13 (CCL13)
728	CXCL9_RAW	Char	5	Chemokine (C-X-C motif) ligand 9 (CXCL9)
729	CCL23_RAW	Char	5	Chemokine (C-C motif) ligand 23 (CCL23)
730	MB_RAW	Char	5	Myoglobin (MB)
731	NGF_RAW	Char	5	Nerve growth gactor (beta polypeptide) (NGF)
732	NRCAM_RAW	Char	5	Neuronal Cell Adhesion Molecule (NRCAM)

Num	Variable	Type	Len	Label
733	TNFRSF11B_RAW	Char	4	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
734	SPINK1_RAW	Char	5	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
735	SERPINE1_RAW	Char	5	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
736	CCL18_RAW	Char	5	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
737	AGER_RAW	Char	5	Advanced glycosylation end product-specific receptor (AGER)
738	S100B_RAW	Char	5	S100 calcium binding protein B (S100B)
739	APCS_RAW	Char	5	Amyloid P-component, serum (APCS)
740	SHBG_RAW	Char	6	Sex Hormone-Binding Globulin (SHBG)
741	SORT1_RAW	Char	5	Sortilin 1 (SORT1)
742	KITLG_RAW	Char	5	KIT ligand (KITLG)
743	SOD1_RAW	Char	5	Superoxide Dismutase 1, soluble (SOD1)
744	CCL5_RAW	Char	5	chemokine (C-C motif) ligand 5 (CCL5)
745	SERPINA7_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
746	TIMP1_RAW	Char	5	TIMP metallopeptidase inhibitor 1 (TIMP1)
747	TIMP2_RAW	Char	5	TIMP metallopeptidase inhibitor 2 (TIMP2)
748	TNF_RAW	Char	5	Tumor necrosis factor (TNF)
749	LTA_RAW	Char	5	Lymphotoxin alpha (LTA)
750	TNFRSF1A_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
751	TNFRSF1B_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
752	VCAM1_RAW	Char	5	Vascular cell adhesion molecule 1 (VCAM1)
753	VEGFA_RAW	Char	5	Vascular endothelial growth factor (VEGFA)
754	GC_RAW	Char	5	Group-specific component (vitamin D binding protein) (GC)
755	VTN_RAW	Char	5	Vitronectin
756	VWF_RAW	Char	5	von Willebrand Factor (vWF)
757	ANGPT1_RAW	Char	5	Angiopoietin 1 (ANGPT1)
758	AXL_RAW	Char	5	AXL Receptor Tyrosine Kinase (AXL)
759	CDH13_RAW	Char	5	Cadherin 13, H-cadherin (heart) (CDH13)
760	CA9_RAW	Char	5	Carbonic anhydrase IX (CA9)
761	CEACAM1_RAW	Char	5	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
762	CCL16_RAW	Char	5	Chemokine (C-C motif) ligand 16 (CCL16)
763	CKM_CKB_RAW	Char	5	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
764	DCN_RAW	Char	5	Decorin (DCN)
765	CXCL5_RAW	Char	5	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
766	FAS_RAW	Char	5	Fas cell surface death receptor (FAS)
767	FABP3_RAW	Char	5	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
768	HGF_RAW	Char	5	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
769	IGE_RAW	Char	5	Immunoglobulin E (IgE)

Num	Variable	Type	Len	Label
770	IL13_RAW	Char	5	Interleukin 13 (IL13)
771	IL16_RAW	Char	5	Interleukin 16 (IL16)
772	IL18BP_RAW	Char	5	Interleukin 18 binding protein (IL18BP)
773	OLR1_RAW	Char	5	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
774	CCL22_RAW	Char	5	chemokine (C-C motif) ligand 22 (CCL22)
775	MDK_RAW	Char	5	Midkine (neurite growth-promoting factor 2) (MDK)
776	NPPB_PH_RAW	Char	5	Natriuretic peptide (NPPB; N-terminal prohormone)
777	PECAM1_RAW	Char	5	Platelet endothelial cell adhesion molecule (PECAM1)
778	KLK3_F_RAW	Char	6	Kallikrein-related peptidase 3 (free) (PSAF)
779	SFTPD_RAW	Char	5	Surfactant protein D (SFTPD)
780	THBD_RAW	Char	5	Thrombomodulin (THBD)
781	TNFRSF10C_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
782	A2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
783	ADIPOQ_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
784	AGER_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
785	ANGPT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
786	APCS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
787	AXL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
788	B2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
789	BDNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
790	C3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
791	CA9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
792	CCL11_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
793	CCL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
794	CCL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
795	CCL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
796	CCL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
797	CCL20_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
798	CCL22_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
799	CCL23_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
800	CCL24_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
801	CCL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
802	CCL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
803	CCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
804	CCL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
805	CDH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
806	CDH13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
807	CEACAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
808	CHGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
809	CKM_CKB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
810	CRP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
811	CSF2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
812	CSTB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
813	CXCL1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
814	CXCL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
815	CXCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
816	CXCL9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
817	DCN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
818	F7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
819	FABP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
820	FAS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
821	FGA_FGB_FGG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
822	FTL_FTH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
823	GC_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
824	HGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
825	HP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
826	ICAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
827	IFNG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
828	IGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
829	IGE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
830	IGM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
831	IL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
832	IL12A_IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
833	IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
834	IL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
835	IL15_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
836	IL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
837	IL17A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
838	IL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
839	IL18BP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
840	IL1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
841	IL1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
842	IL1RN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
843	IL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
844	IL23A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
845	IL2RA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
846	IL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
847	IL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
848	IL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
849	IL6_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
850	IL6R_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
851	IL7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
852	IL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
853	KIT_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
854	KITLG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
855	KLK3_F_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
856	LPA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
857	LTA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
858	LTF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
859	MB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
860	MDK_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
861	MMP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
862	MMP9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
863	NGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
864	NPPB_PH_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
865	NRCAM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
866	OLR1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
867	PECAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
868	S100A12_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
869	S100B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
870	SELE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
871	SERPINA1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
872	SERPINA7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
873	SERPINE1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
874	SFTPD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
875	SHBG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
876	SLPI_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
877	SOD1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
878	SORT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
879	SPINK1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
880	TGFB1_LAP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
881	THBD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
882	TIMP1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
883	TIMP2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
884	TNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
885	TNFRSF10C_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
886	TNFRSF11B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
887	TNFRSF1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
888	TNFRSF1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
889	VCAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
890	VEGFA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
891	VTN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
892	VWF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
893	A2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
894	ADIPOQ_OUTLIER	Num	8	Flag of potential outlier values for analyte
895	AGER_OUTLIER	Num	8	Flag of potential outlier values for analyte
896	ANGPT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
897	APCS_OUTLIER	Num	8	Flag of potential outlier values for analyte
898	AXL_OUTLIER	Num	8	Flag of potential outlier values for analyte
899	B2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
900	BDNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
901	C3_OUTLIER	Num	8	Flag of potential outlier values for analyte
902	CA9_OUTLIER	Num	8	Flag of potential outlier values for analyte
903	CCL11_OUTLIER	Num	8	Flag of potential outlier values for analyte
904	CCL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
905	CCL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
906	CCL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
907	CCL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
908	CCL20_OUTLIER	Num	8	Flag of potential outlier values for analyte
909	CCL22_OUTLIER	Num	8	Flag of potential outlier values for analyte
910	CCL23_OUTLIER	Num	8	Flag of potential outlier values for analyte
911	CCL24_OUTLIER	Num	8	Flag of potential outlier values for analyte
912	CCL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
913	CCL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
914	CCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
915	CCL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
916	CDH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
917	CDH13_OUTLIER	Num	8	Flag of potential outlier values for analyte
918	CEACAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
919	CHGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
920	CKM_CKB_OUTLIER	Num	8	Flag of potential outlier values for analyte
921	CRP_OUTLIER	Num	8	Flag of potential outlier values for analyte
922	CSF2_OUTLIER	Num	8	Flag of potential outlier values for analyte
923	CSTB_OUTLIER	Num	8	Flag of potential outlier values for analyte
924	CXCL1_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
925	CXCL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
926	CXCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
927	CXCL9_OUTLIER	Num	8	Flag of potential outlier values for analyte
928	DCN_OUTLIER	Num	8	Flag of potential outlier values for analyte
929	F7_OUTLIER	Num	8	Flag of potential outlier values for analyte
930	FABP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
931	FAS_OUTLIER	Num	8	Flag of potential outlier values for analyte
932	FGA_FGB_FGG_OUTLIER	Num	8	Flag of potential outlier values for analyte
933	FTL_FTH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
934	GC_OUTLIER	Num	8	Flag of potential outlier values for analyte
935	HGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
936	HP_OUTLIER	Num	8	Flag of potential outlier values for analyte
937	ICAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
938	IFNG_OUTLIER	Num	8	Flag of potential outlier values for analyte
939	IGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
940	IGE_OUTLIER	Num	8	Flag of potential outlier values for analyte
941	IGM_OUTLIER	Num	8	Flag of potential outlier values for analyte
942	IL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
943	IL12A_IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
944	IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
945	IL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
946	IL15_OUTLIER	Num	8	Flag of potential outlier values for analyte
947	IL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
948	IL17A_OUTLIER	Num	8	Flag of potential outlier values for analyte
949	IL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
950	IL18BP_OUTLIER	Num	8	Flag of potential outlier values for analyte
951	IL1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
952	IL1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
953	IL1RN_OUTLIER	Num	8	Flag of potential outlier values for analyte
954	IL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
955	IL23A_OUTLIER	Num	8	Flag of potential outlier values for analyte
956	IL2RA_OUTLIER	Num	8	Flag of potential outlier values for analyte
957	IL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
958	IL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
959	IL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
960	IL6_OUTLIER	Num	8	Flag of potential outlier values for analyte
961	IL6R_OUTLIER	Num	8	Flag of potential outlier values for analyte
962	IL7_OUTLIER	Num	8	Flag of potential outlier values for analyte
963	IL8_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
964	KIT_OUTLIER	Num	8	Flag of potential outlier values for analyte
965	KITLG_OUTLIER	Num	8	Flag of potential outlier values for analyte
966	KLK3_F_OUTLIER	Num	8	Flag of potential outlier values for analyte
967	LPA_OUTLIER	Num	8	Flag of potential outlier values for analyte
968	LTA_OUTLIER	Num	8	Flag of potential outlier values for analyte
969	LTF_OUTLIER	Num	8	Flag of potential outlier values for analyte
970	MB_OUTLIER	Num	8	Flag of potential outlier values for analyte
971	MDK_OUTLIER	Num	8	Flag of potential outlier values for analyte
972	MMP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
973	MMP9_OUTLIER	Num	8	Flag of potential outlier values for analyte
974	NGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
975	NPPB_PH_OUTLIER	Num	8	Flag of potential outlier values for analyte
976	NRCAM_OUTLIER	Num	8	Flag of potential outlier values for analyte
977	OLR1_OUTLIER	Num	8	Flag of potential outlier values for analyte
978	PECAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
979	S100A12_OUTLIER	Num	8	Flag of potential outlier values for analyte
980	S100B_OUTLIER	Num	8	Flag of potential outlier values for analyte
981	SELE_OUTLIER	Num	8	Flag of potential outlier values for analyte
982	SERPINA1_OUTLIER	Num	8	Flag of potential outlier values for analyte
983	SERPINA7_OUTLIER	Num	8	Flag of potential outlier values for analyte
984	SERPINE1_OUTLIER	Num	8	Flag of potential outlier values for analyte
985	SFTPD_OUTLIER	Num	8	Flag of potential outlier values for analyte
986	SHBG_OUTLIER	Num	8	Flag of potential outlier values for analyte
987	SLPI_OUTLIER	Num	8	Flag of potential outlier values for analyte
988	SOD1_OUTLIER	Num	8	Flag of potential outlier values for analyte
989	SORT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
990	SPINK1_OUTLIER	Num	8	Flag of potential outlier values for analyte
991	TGFB1_LAP_OUTLIER	Num	8	Flag of potential outlier values for analyte
992	THBD_OUTLIER	Num	8	Flag of potential outlier values for analyte
993	TIMP1_OUTLIER	Num	8	Flag of potential outlier values for analyte
994	TIMP2_OUTLIER	Num	8	Flag of potential outlier values for analyte
995	TNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
996	TNFRSF10C_OUTLIER	Num	8	Flag of potential outlier values for analyte
997	TNFRSF11B_OUTLIER	Num	8	Flag of potential outlier values for analyte
998	TNFRSF1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
999	TNFRSF1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
1000	VCAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1001	VEGFA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1002	VTN_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
1003	VWF_OUTLIER	Num	8	Flag of potential outlier values for analyte

Data Set Name: rp_arup_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	ANAB_URN	Char	14	Anabasine level. Anabasine is a minor alkaloid in the tobacco plant and is a biomarker of active tobacco use. However, anabasine is detected in the urine of approximately 5% of non-tobacco users.
3	COT_3H_URN	Char	14	Cotinine 3OH level. Nicotine is metabolized to cotinine, and 3-OH-cotinine is a metabolite of cotinine. This metabolite may persist beyond 2 weeks of abstinence from nicotine use.
4	CRT_DL_URINE	Char	14	Urine creatinine level
5	COT_URN	Char	14	Cotinine level. Cotinine is the major metabolite of nicotine and has a half-life of approximately 16 hours.
6	NRNC_URN	Char	14	Nornicotine level. Nornicotine may be present in tobacco products or may result from metabolism of nicotine.
7	NIC_URN	Char	14	Nicotine level
8	ANAB_URN_UNIT	Char	8	Anabasine unit
9	COT_3H_URN_UNIT	Char	8	Cotinine 3OH unit
10	CRT_DL_URINE_UNIT	Char	8	Urine creatinine unit
11	COT_URN_UNIT	Char	8	Cotinine unit
12	NRNC_URN_UNIT	Char	8	Nornicotine unit
13	NIC_URN_UNIT	Char	8	Nicotine unit
14	VISIT	Char	10	Visit
15	REPLICATE	Num	8	Replicate
16	NICOTINE_UR	Num	8	Indicator if nicotine levels are elevated (1 - Nic_URN>2, 0 - Nic_URN<=2)
17	COTININE_UR	Num	8	Indicator if cotinine levels are elevated (1 - Cot_URN>5, 0 - Cot_URN<=5)
18	COTININE_3OH_UR	Num	8	Indicator if cotinine 3OH levels are elevated (1 - Cot_3H_URN>50, 0 - Cot_3H_URN<=50)
19	NORNICOTINE_UR	Num	8	Indicator if nornicotine levels are elevated (1 - NRNC_URN>2, 0 - NRNC_URN<=2)
20	ANABASINE_UR	Num	8	Indicator if anabsine levels are elevated (1 - ANAB_URN>3, 0 - ANAB_URN<=3)

Data Set Name: rp_rbm1_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	REPLICATE	Char	1	Replicate
3	VISIT	Char	10	Visit
4	A2M_UNIT	Char	5	Analyte unit
5	A2M_LOW_RANGE	Char	5	Low range for analyte
6	A2M_HIGH_RANGE	Char	5	High range for analyte
7	A2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
8	A2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
9	ADIPOQ_UNIT	Char	5	Analyte unit
10	ADIPOQ_LOW_RANGE	Char	5	Low range for analyte
11	ADIPOQ_HIGH_RANGE	Char	5	High range for analyte
12	ADIPOQ_LDD	Num	8	LDD (Least Detectable Dose) for analyte
13	ADIPOQ_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
14	AGER_UNIT	Char	5	Analyte unit
15	AGER_LOW_RANGE	Char	5	Low range for analyte
16	AGER_HIGH_RANGE	Char	5	High range for analyte
17	AGER_LDD	Num	8	LDD (Least Detectable Dose) for analyte
18	AGER_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
19	APCS_UNIT	Char	5	Analyte unit
20	APCS_LOW_RANGE	Char	5	Low range for analyte
21	APCS_HIGH_RANGE	Char	5	High range for analyte
22	APCS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
23	APCS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
24	APOA4_UNIT	Char	5	Analyte unit
25	APOA4_LOW_RANGE	Char	5	Low range for analyte
26	APOA4_HIGH_RANGE	Char	5	High range for analyte
27	APOA4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
28	APOA4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
29	B2M_UNIT	Char	6	Analyte unit
30	B2M_LOW_RANGE	Char	6	Low range for analyte
31	B2M_HIGH_RANGE	Char	6	High range for analyte
32	B2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
33	B2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
34	BDNF_UNIT	Char	5	Analyte unit
35	BDNF_LOW_RANGE	Char	5	Low range for analyte
36	BDNF_HIGH_RANGE	Char	5	High range for analyte
37	BDNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
38	BDNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
39	C3_UNIT	Char	6	Analyte unit
40	C3_LOW_RANGE	Char	6	Low range for analyte
41	C3_HIGH_RANGE	Char	6	High range for analyte
42	C3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
43	C3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
44	CCL11_UNIT	Char	5	Analyte unit
45	CCL11_LOW_RANGE	Char	5	Low range for analyte
46	CCL11_HIGH_RANGE	Char	5	High range for analyte
47	CCL11_LDD	Num	8	LDD (Least Detectable Dose) for analyte
48	CCL11_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
49	CCL13_UNIT	Char	5	Analyte unit
50	CCL13_LOW_RANGE	Char	5	Low range for analyte
51	CCL13_HIGH_RANGE	Char	5	High range for analyte
52	CCL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
53	CCL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
54	CCL2_UNIT	Char	5	Analyte unit
55	CCL2_LOW_RANGE	Char	5	Low range for analyte
56	CCL2_HIGH_RANGE	Char	5	High range for analyte
57	CCL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
58	CCL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
59	CCL20_UNIT	Char	5	Analyte unit
60	CCL20_LOW_RANGE	Char	5	Low range for analyte
61	CCL20_HIGH_RANGE	Char	5	High range for analyte
62	CCL20_LDD	Num	8	LDD (Least Detectable Dose) for analyte
63	CCL20_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
64	CCL23_UNIT	Char	5	Analyte unit
65	CCL23_LOW_RANGE	Char	5	Low range for analyte
66	CCL23_HIGH_RANGE	Char	5	High range for analyte
67	CCL23_LDD	Num	8	LDD (Least Detectable Dose) for analyte
68	CCL23_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
69	CCL24_UNIT	Char	5	Analyte unit
70	CCL24_LOW_RANGE	Char	5	Low range for analyte
71	CCL24_HIGH_RANGE	Char	5	High range for analyte
72	CCL24_LDD	Num	8	LDD (Least Detectable Dose) for analyte
73	CCL24_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
74	CCL3_UNIT	Char	5	Analyte unit
75	CCL3_LOW_RANGE	Char	5	Low range for analyte
76	CCL3_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
77	CCL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
78	CCL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
79	CCL4_UNIT	Char	5	Analyte unit
80	CCL4_LOW_RANGE	Char	5	Low range for analyte
81	CCL4_HIGH_RANGE	Char	5	High range for analyte
82	CCL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
83	CCL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
84	CCL5_UNIT	Char	5	Analyte unit
85	CCL5_LOW_RANGE	Char	5	Low range for analyte
86	CCL5_HIGH_RANGE	Char	5	High range for analyte
87	CCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
88	CCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
89	CCL8_UNIT	Char	5	Analyte unit
90	CCL8_LOW_RANGE	Char	5	Low range for analyte
91	CCL8_HIGH_RANGE	Char	5	High range for analyte
92	CCL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
93	CCL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
94	CDH1_UNIT	Char	5	Analyte unit
95	CDH1_LOW_RANGE	Char	5	Low range for analyte
96	CDH1_HIGH_RANGE	Char	5	High range for analyte
97	CDH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
98	CDH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
99	CHGA_UNIT	Char	5	Analyte unit
100	CHGA_LOW_RANGE	Char	5	Low range for analyte
101	CHGA_HIGH_RANGE	Char	5	High range for analyte
102	CHGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
103	CHGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
104	CRP_UNIT	Char	5	Analyte unit
105	CRP_LOW_RANGE	Char	5	Low range for analyte
106	CRP_HIGH_RANGE	Char	5	High range for analyte
107	CRP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
108	CRP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
109	CSF2_UNIT	Char	5	Analyte unit
110	CSF2_LOW_RANGE	Char	5	Low range for analyte
111	CSF2_HIGH_RANGE	Char	5	High range for analyte
112	CSF2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
113	CSF2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
114	CSTB_UNIT	Char	5	Analyte unit
115	CSTB_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
116	CSTB_HIGH_RANGE	Char	5	High range for analyte
117	CSTB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
118	CSTB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
119	CXCL10_UNIT	Char	5	Analyte unit
120	CXCL10_LOW_RANGE	Char	5	Low range for analyte
121	CXCL10_HIGH_RANGE	Char	5	High range for analyte
122	CXCL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
123	CXCL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
124	CXCL9_UNIT	Char	5	Analyte unit
125	CXCL9_LOW_RANGE	Char	5	Low range for analyte
126	CXCL9_HIGH_RANGE	Char	5	High range for analyte
127	CXCL9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
128	CXCL9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
129	F7_UNIT	Char	5	Analyte unit
130	F7_LOW_RANGE	Char	5	Low range for analyte
131	F7_HIGH_RANGE	Char	5	High range for analyte
132	F7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
133	F7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
134	FGA_FGB_FGG_UNIT	Char	5	Analyte unit
135	FGA_FGB_FGG_LOW_RANGE	Char	5	Low range for analyte
136	FGA_FGB_FGG_HIGH_RANGE	Char	5	High range for analyte
137	FGA_FGB_FGG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
138	FGA_FGB_FGG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
139	FTL_FTH1_UNIT	Char	5	Analyte unit
140	FTL_FTH1_LOW_RANGE	Char	5	Low range for analyte
141	FTL_FTH1_HIGH_RANGE	Char	5	High range for analyte
142	FTL_FTH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
143	FTL_FTH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
144	GC_UNIT	Char	5	Analyte unit
145	GC_LOW_RANGE	Char	5	Low range for analyte
146	GC_HIGH_RANGE	Char	5	High range for analyte
147	GC_LDD	Num	8	LDD (Least Detectable Dose) for analyte
148	GC_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
149	HP_UNIT	Char	6	Analyte unit
150	HP_LOW_RANGE	Char	6	Low range for analyte
151	HP_HIGH_RANGE	Char	6	High range for analyte
152	HP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
153	HP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
154	HSPD1_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
155	HSPD1_LOW_RANGE	Char	5	Low range for analyte
156	HSPD1_HIGH_RANGE	Char	5	High range for analyte
157	HSPD1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
158	HSPD1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
159	ICAM1_UNIT	Char	5	Analyte unit
160	ICAM1_LOW_RANGE	Char	5	Low range for analyte
161	ICAM1_HIGH_RANGE	Char	5	High range for analyte
162	ICAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
163	ICAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
164	IFNG_UNIT	Char	5	Analyte unit
165	IFNG_LOW_RANGE	Char	5	Low range for analyte
166	IFNG_HIGH_RANGE	Char	5	High range for analyte
167	IFNG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
168	IFNG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
169	IGA_UNIT	Char	6	Analyte unit
170	IGA_LOW_RANGE	Char	6	Low range for analyte
171	IGA_HIGH_RANGE	Char	6	High range for analyte
172	IGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
173	IGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
174	IGM_UNIT	Char	5	Analyte unit
175	IGM_LOW_RANGE	Char	5	Low range for analyte
176	IGM_HIGH_RANGE	Char	5	High range for analyte
177	IGM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
178	IGM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
179	IL10_UNIT	Char	5	Analyte unit
180	IL10_LOW_RANGE	Char	5	Low range for analyte
181	IL10_HIGH_RANGE	Char	5	High range for analyte
182	IL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
183	IL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
184	IL12A_IL12B_UNIT	Char	5	Analyte unit
185	IL12A_IL12B_LOW_RANGE	Char	5	Low range for analyte
186	IL12A_IL12B_HIGH_RANGE	Char	5	High range for analyte
187	IL12A_IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
188	IL12A_IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
189	IL12B_UNIT	Char	5	Analyte unit
190	IL12B_LOW_RANGE	Char	5	Low range for analyte
191	IL12B_HIGH_RANGE	Char	5	High range for analyte
192	IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
193	IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
194	IL15_UNIT	Char	5	Analyte unit
195	IL15_LOW_RANGE	Char	5	Low range for analyte
196	IL15_HIGH_RANGE	Char	5	High range for analyte
197	IL15_LDD	Num	8	LDD (Least Detectable Dose) for analyte
198	IL15_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
199	IL17A_UNIT	Char	5	Analyte unit
200	IL17A_LOW_RANGE	Char	5	Low range for analyte
201	IL17A_HIGH_RANGE	Char	5	High range for analyte
202	IL17A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
203	IL17A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
204	IL18_UNIT	Char	5	Analyte unit
205	IL18_LOW_RANGE	Char	5	Low range for analyte
206	IL18_HIGH_RANGE	Char	5	High range for analyte
207	IL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
208	IL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
209	IL1A_UNIT	Char	7	Analyte unit
210	IL1A_LOW_RANGE	Char	7	Low range for analyte
211	IL1A_HIGH_RANGE	Char	7	High range for analyte
212	IL1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
213	IL1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
214	IL1B_UNIT	Char	5	Analyte unit
215	IL1B_LOW_RANGE	Char	5	Low range for analyte
216	IL1B_HIGH_RANGE	Char	5	High range for analyte
217	IL1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
218	IL1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
219	IL1RN_UNIT	Char	5	Analyte unit
220	IL1RN_LOW_RANGE	Char	5	Low range for analyte
221	IL1RN_HIGH_RANGE	Char	5	High range for analyte
222	IL1RN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
223	IL1RN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
224	IL2_UNIT	Char	5	Analyte unit
225	IL2_LOW_RANGE	Char	5	Low range for analyte
226	IL2_HIGH_RANGE	Char	5	High range for analyte
227	IL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
228	IL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
229	IL23A_UNIT	Char	5	Analyte unit
230	IL23A_LOW_RANGE	Char	5	Low range for analyte
231	IL23A_HIGH_RANGE	Char	5	High range for analyte
232	IL23A_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
233	IL23A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
234	IL2RA_UNIT	Char	5	Analyte unit
235	IL2RA_LOW_RANGE	Char	5	Low range for analyte
236	IL2RA_HIGH_RANGE	Char	5	High range for analyte
237	IL2RA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
238	IL2RA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
239	IL3_UNIT	Char	6	Analyte unit
240	IL3_LOW_RANGE	Char	6	Low range for analyte
241	IL3_HIGH_RANGE	Char	6	High range for analyte
242	IL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
243	IL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
244	IL4_UNIT	Char	5	Analyte unit
245	IL4_LOW_RANGE	Char	5	Low range for analyte
246	IL4_HIGH_RANGE	Char	5	High range for analyte
247	IL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
248	IL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
249	IL5_UNIT	Char	5	Analyte unit
250	IL5_LOW_RANGE	Char	5	Low range for analyte
251	IL5_HIGH_RANGE	Char	5	High range for analyte
252	IL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
253	IL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
254	IL6_UNIT	Char	5	Analyte unit
255	IL6_LOW_RANGE	Char	5	Low range for analyte
256	IL6_HIGH_RANGE	Char	5	High range for analyte
257	IL6_LDD	Num	8	LDD (Least Detectable Dose) for analyte
258	IL6_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
259	IL6R_UNIT	Char	5	Analyte unit
260	IL6R_LOW_RANGE	Char	5	Low range for analyte
261	IL6R_HIGH_RANGE	Char	5	High range for analyte
262	IL6R_LDD	Num	8	LDD (Least Detectable Dose) for analyte
263	IL6R_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
264	IL7_UNIT	Char	5	Analyte unit
265	IL7_LOW_RANGE	Char	5	Low range for analyte
266	IL7_HIGH_RANGE	Char	5	High range for analyte
267	IL7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
268	IL7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
269	IL8_UNIT	Char	5	Analyte unit
270	IL8_LOW_RANGE	Char	5	Low range for analyte
271	IL8_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
272	IL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
273	IL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
274	INS_INTACT_UNIT	Char	3	Analyte unit
275	INS_INTACT_LOW_RANGE	Char	3	Low range for analyte
276	INS_INTACT_HIGH_RANGE	Char	3	High range for analyte
277	INS_INTACT_LDD	Num	8	LDD (Least Detectable Dose) for analyte
278	INS_INTACT_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
279	INS_TOTAL_UNIT	Char	3	Analyte unit
280	INS_TOTAL_LOW_RANGE	Char	3	Low range for analyte
281	INS_TOTAL_HIGH_RANGE	Char	3	High range for analyte
282	INS_TOTAL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
283	INS_TOTAL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
284	KIT_UNIT	Char	5	Analyte unit
285	KIT_LOW_RANGE	Char	5	Low range for analyte
286	KIT_HIGH_RANGE	Char	5	High range for analyte
287	KIT_LDD	Num	8	LDD (Least Detectable Dose) for analyte
288	KIT_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
289	KITLG_UNIT	Char	5	Analyte unit
290	KITLG_LOW_RANGE	Char	5	Low range for analyte
291	KITLG_HIGH_RANGE	Char	5	High range for analyte
292	KITLG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
293	KITLG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
294	LPA_UNIT	Char	5	Analyte unit
295	LPA_LOW_RANGE	Char	5	Low range for analyte
296	LPA_HIGH_RANGE	Char	5	High range for analyte
297	LPA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
298	LPA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
299	LTA_UNIT	Char	5	Analyte unit
300	LTA_LOW_RANGE	Char	5	Low range for analyte
301	LTA_HIGH_RANGE	Char	5	High range for analyte
302	LTA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
303	LTA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
304	LTF_UNIT	Char	5	Analyte unit
305	LTF_LOW_RANGE	Char	5	Low range for analyte
306	LTF_HIGH_RANGE	Char	5	High range for analyte
307	LTF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
308	LTF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
309	MB_UNIT	Char	5	Analyte unit
310	MB_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
311	MB_HIGH_RANGE	Char	5	High range for analyte
312	MB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
313	MB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
314	MICA_UNIT	Char	5	Analyte unit
315	MICA_LOW_RANGE	Char	5	Low range for analyte
316	MICA_HIGH_RANGE	Char	5	High range for analyte
317	MICA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
318	MICA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
319	MMP3_UNIT	Char	5	Analyte unit
320	MMP3_LOW_RANGE	Char	5	Low range for analyte
321	MMP3_HIGH_RANGE	Char	5	High range for analyte
322	MMP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
323	MMP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
324	MMP9_UNIT	Char	5	Analyte unit
325	MMP9_LOW_RANGE	Char	5	Low range for analyte
326	MMP9_HIGH_RANGE	Char	5	High range for analyte
327	MMP9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
328	MMP9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
329	NGF_UNIT	Char	5	Analyte unit
330	NGF_LOW_RANGE	Char	5	Low range for analyte
331	NGF_HIGH_RANGE	Char	5	High range for analyte
332	NGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
333	NGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
334	NRCAM_UNIT	Char	5	Analyte unit
335	NRCAM_LOW_RANGE	Char	5	Low range for analyte
336	NRCAM_HIGH_RANGE	Char	5	High range for analyte
337	NRCAM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
338	NRCAM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
339	S100B_UNIT	Char	5	Analyte unit
340	S100B_LOW_RANGE	Char	5	Low range for analyte
341	S100B_HIGH_RANGE	Char	5	High range for analyte
342	S100B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
343	S100B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
344	SELE_UNIT	Char	5	Analyte unit
345	SELE_LOW_RANGE	Char	5	Low range for analyte
346	SELE_HIGH_RANGE	Char	5	High range for analyte
347	SELE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
348	SELE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
349	SERPINA1_UNIT	Char	6	Analyte unit

Num	Variable	Type	Len	Label
350	SERPINA1_LOW_RANGE	Char	6	Low range for analyte
351	SERPINA1_HIGH_RANGE	Char	6	High range for analyte
352	SERPINA1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
353	SERPINA1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
354	SERPINA3_UNIT	Char	5	Analyte unit
355	SERPINA3_LOW_RANGE	Char	5	Low range for analyte
356	SERPINA3_HIGH_RANGE	Char	5	High range for analyte
357	SERPINA3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
358	SERPINA3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
359	SERPINA7_UNIT	Char	5	Analyte unit
360	SERPINA7_LOW_RANGE	Char	5	Low range for analyte
361	SERPINA7_HIGH_RANGE	Char	5	High range for analyte
362	SERPINA7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
363	SERPINA7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
364	SERPINE1_UNIT	Char	5	Analyte unit
365	SERPINE1_LOW_RANGE	Char	5	Low range for analyte
366	SERPINE1_HIGH_RANGE	Char	5	High range for analyte
367	SERPINE1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
368	SERPINE1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
369	SHBG_UNIT	Char	6	Analyte unit
370	SHBG_LOW_RANGE	Char	6	Low range for analyte
371	SHBG_HIGH_RANGE	Char	6	High range for analyte
372	SHBG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
373	SHBG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
374	SLPI_UNIT	Char	5	Analyte unit
375	SLPI_LOW_RANGE	Char	5	Low range for analyte
376	SLPI_HIGH_RANGE	Char	5	High range for analyte
377	SLPI_LDD	Num	8	LDD (Least Detectable Dose) for analyte
378	SLPI_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
379	SOD1_UNIT	Char	5	Analyte unit
380	SOD1_LOW_RANGE	Char	5	Low range for analyte
381	SOD1_HIGH_RANGE	Char	5	High range for analyte
382	SOD1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
383	SOD1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
384	SORT1_UNIT	Char	5	Analyte unit
385	SORT1_LOW_RANGE	Char	5	Low range for analyte
386	SORT1_HIGH_RANGE	Char	5	High range for analyte
387	SORT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
388	SORT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
389	SPINK1_UNIT	Char	5	Analyte unit
390	SPINK1_LOW_RANGE	Char	5	Low range for analyte
391	SPINK1_HIGH_RANGE	Char	5	High range for analyte
392	SPINK1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
393	SPINK1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
394	TGFB1_LAP_UNIT	Char	5	Analyte unit
395	TGFB1_LAP_LOW_RANGE	Char	5	Low range for analyte
396	TGFB1_LAP_HIGH_RANGE	Char	5	High range for analyte
397	TGFB1_LAP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
398	TGFB1_LAP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
399	TIMP1_UNIT	Char	5	Analyte unit
400	TIMP1_LOW_RANGE	Char	5	Low range for analyte
401	TIMP1_HIGH_RANGE	Char	5	High range for analyte
402	TIMP1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
403	TIMP1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
404	TIMP2_UNIT	Char	5	Analyte unit
405	TIMP2_LOW_RANGE	Char	5	Low range for analyte
406	TIMP2_HIGH_RANGE	Char	5	High range for analyte
407	TIMP2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
408	TIMP2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
409	TNF_UNIT	Char	5	Analyte unit
410	TNF_LOW_RANGE	Char	5	Low range for analyte
411	TNF_HIGH_RANGE	Char	5	High range for analyte
412	TNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
413	TNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
414	TNFRSF11B_UNIT	Char	4	Analyte unit
415	TNFRSF11B_LOW_RANGE	Char	4	Low range for analyte
416	TNFRSF11B_HIGH_RANGE	Char	4	High range for analyte
417	TNFRSF11B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
418	TNFRSF11B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
419	TNFRSF1A_UNIT	Char	5	Analyte unit
420	TNFRSF1A_LOW_RANGE	Char	5	Low range for analyte
421	TNFRSF1A_HIGH_RANGE	Char	5	High range for analyte
422	TNFRSF1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
423	TNFRSF1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
424	TNFRSF1B_UNIT	Char	5	Analyte unit
425	TNFRSF1B_LOW_RANGE	Char	5	Low range for analyte
426	TNFRSF1B_HIGH_RANGE	Char	5	High range for analyte
427	TNFRSF1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
428	TNFRSF1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
429	VCAM1_UNIT	Char	5	Analyte unit
430	VCAM1_LOW_RANGE	Char	5	Low range for analyte
431	VCAM1_HIGH_RANGE	Char	5	High range for analyte
432	VCAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
433	VCAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
434	VEGFA_UNIT	Char	5	Analyte unit
435	VEGFA_LOW_RANGE	Char	5	Low range for analyte
436	VEGFA_HIGH_RANGE	Char	5	High range for analyte
437	VEGFA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
438	VEGFA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
439	VWF_UNIT	Char	5	Analyte unit
440	VWF_LOW_RANGE	Char	5	Low range for analyte
441	VWF_HIGH_RANGE	Char	5	High range for analyte
442	VWF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
443	VWF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
444	A2M	Num	8	Alpha-2-Macroglobulin (A2M)
445	ADIPOQ	Num	8	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
446	AGER	Num	8	Advanced glycosylation end product-specific receptor (AGER)
447	APCS	Num	8	Amyloid P-component, serum (APCS)
448	APOA4	Num	8	Apolipoprotein A-IV (APOA4)
449	B2M	Num	8	Beta-2-microglobulin (B2M)
450	BDNF	Num	8	Brain-derived neurotrophic factor (BDNF)
451	C3	Num	8	Complement component C3 (C3)
452	CCL11	Num	8	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
453	CCL13	Num	8	Chemokine (C-C motif) ligand 13 (CCL13)
454	CCL2	Num	8	Chemokine (C-C motif) ligand 2 (CCL2)
455	CCL20	Num	8	Chemokine (C-C motif) ligand 20 (CCL20)
456	CCL23	Num	8	Chemokine (C-C motif) ligand 23 (CCL23)
457	CCL24	Num	8	Chemokine (C-C motif) ligand 24 (CCL24)
458	CCL3	Num	8	Chemokine (C-C motif) ligand 3 (CCL3)
459	CCL4	Num	8	Chemokine (C-C motif) ligand 4 (CCL4)
460	CCL5	Num	8	chemokine (C-C motif) ligand 5 (CCL5)
461	CCL8	Num	8	Chemokine (C-C motif) ligand 8 (CCL8)
462	CDH1	Num	8	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
463	CHGA	Num	8	Chromogranin A (parathyroid secretory protein 1) (CHGA)
464	CRP	Num	8	C-reactive protein, pentraxin-related (CRP)
465	CSF2	Num	8	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
466	CSTB	Num	8	Cystatin B (stefin B) (CSTB)

Num	Variable	Type	Len	Label
467	CXCL10	Num	8	Chemokine (C-X-C motif) ligand 10 (CXCL10)
468	CXCL9	Num	8	Chemokine (C-X-C motif) ligand 9 (CXCL9)
469	F7	Num	8	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
470	FGA_FGB_FGG	Num	8	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
471	FTL_FTH1	Num	8	Ferritin [FT(L/H1)]
472	GC	Num	8	Group-specific component (vitamin D binding protein) (GC)
473	HP	Num	8	Haptoglobin (HP)
474	HSPD1	Num	8	Heat shock 60kDa protein 1 (chaperonin) (HSPD1)
475	ICAM1	Num	8	Intercellular Adhesion Molecule 1 (ICAM1)
476	IFNG	Num	8	Interferon, gamma (IFNG)
477	IGA	Num	8	Immunoglobulin A (IgA)
478	IGM	Num	8	Immunoglobulin M
479	IL10	Num	8	Interleukin 10 (IL10)
480	IL12A_IL12B	Num	8	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
481	IL12B	Num	8	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
482	IL15	Num	8	Interleukin 15 (IL15)
483	IL17A	Num	8	Interleukin 17 (IL17A)
484	IL18	Num	8	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
485	IL1A	Num	8	Interleukin 1, alpha (IL1A)
486	IL1B	Num	8	Interleukin 1, beta (IL1B)
487	IL1RN	Num	8	Interleukin 1 receptor antagonist (IL1RN)
488	IL2	Num	8	Interleukin 2 (IL2)
489	IL23A	Num	8	Interleukin 23, alpha subunit p19 (IL23A)
490	IL2RA	Num	8	Interleukin 2 receptor, alpha (IL2RA)
491	IL3	Num	8	Interleukin 3 (IL3)
492	IL4	Num	8	Interleukin 4 (IL4)
493	IL5	Num	8	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
494	IL6	Num	8	Interleukin 6 (interferon, beta 2) (IL6)
495	IL6R	Num	8	Interleukin-6 receptor (IL6R)
496	IL7	Num	8	Interleukin 7 (IL7)
497	IL8	Num	8	Interleukin 8 (IL8)
498	INS_INTACT	Num	8	Proinsulin, Intact (INS_intact)
499	INS_TOTAL	Num	8	Proinsulin, Total (INS_total)
500	KIT	Num	8	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
501	KITLG	Num	8	KIT ligand (KITLG)
502	LPA	Num	8	Lipoprotein, (Lp(a) (LPA)
503	LTA	Num	8	Lymphotoxin alpha (LTA)
504	LTF	Num	8	Lactotransferrin

Num	Variable	Type	Len	Label
505	MB	Num	8	Myoglobin (MB)
506	MICA	Num	8	MHC class I polypeptide-related sequence A (MICA)
507	MMP3	Num	8	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
508	MMP9	Num	8	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
509	NGF	Num	8	Nerve growth gactor (beta polypeptide) (NGF)
510	NRCAM	Num	8	Neuronal Cell Adhesion Molecule (NRCAM)
511	S100B	Num	8	S100 calcium binding protein B (S100B)
512	SELE	Num	8	Selectin E (SELE)
513	SERPINA1	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
514	SERPINA3	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 (SERPINA3)
515	SERPINA7	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
516	SERPINE1	Num	8	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
517	SHBG	Num	8	Sex Hormone-Binding Globulin (SHBG)
518	SLPI	Num	8	Secretory leukocyte peptidase inhibitor (SLPI)
519	SOD1	Num	8	Superoxide Dismutase 1, soluble (SOD1)
520	SORT1	Num	8	Sortilin 1 (SORT1)
521	SPINK1	Num	8	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
522	TGFB1_LAP	Num	8	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
523	TIMP1	Num	8	TIMP metallopeptidase inhibitor 1 (TIMP1)
524	TIMP2	Num	8	TIMP metallopeptidase inhibitor 2 (TIMP2)
525	TNF	Num	8	Tumor necrosis factor (TNF)
526	TNFRSF11B	Num	8	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
527	TNFRSF1A	Num	8	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
528	TNFRSF1B	Num	8	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
529	VCAM1	Num	8	Vascular cell adhesion molecule 1 (VCAM1)
530	VEGFA	Num	8	Vascular endothelial growth factor (VEGFA)
531	VWF	Num	8	von Willebrand Factor (vWF)
532	ANGPT1_UNIT	Char	5	Analyte unit
533	ANGPT1_LOW_RANGE	Char	5	Low range for analyte
534	ANGPT1_HIGH_RANGE	Char	5	High range for analyte
535	ANGPT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
536	ANGPT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
537	AXL_UNIT	Char	5	Analyte unit
538	AXL_LOW_RANGE	Char	5	Low range for analyte
539	AXL_HIGH_RANGE	Char	5	High range for analyte
540	AXL_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
541	AXL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
542	CA9_UNIT	Char	5	Analyte unit
543	CA9_LOW_RANGE	Char	5	Low range for analyte
544	CA9_HIGH_RANGE	Char	5	High range for analyte
545	CA9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
546	CA9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
547	CCL16_UNIT	Char	5	Analyte unit
548	CCL16_LOW_RANGE	Char	5	Low range for analyte
549	CCL16_HIGH_RANGE	Char	5	High range for analyte
550	CCL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
551	CCL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
552	CCL18_UNIT	Char	5	Analyte unit
553	CCL18_LOW_RANGE	Char	5	Low range for analyte
554	CCL18_HIGH_RANGE	Char	5	High range for analyte
555	CCL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
556	CCL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
557	CCL22_UNIT	Char	5	Analyte unit
558	CCL22_LOW_RANGE	Char	5	Low range for analyte
559	CCL22_HIGH_RANGE	Char	5	High range for analyte
560	CCL22_LDD	Num	8	LDD (Least Detectable Dose) for analyte
561	CCL22_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
562	CDH13_UNIT	Char	5	Analyte unit
563	CDH13_LOW_RANGE	Char	5	Low range for analyte
564	CDH13_HIGH_RANGE	Char	5	High range for analyte
565	CDH13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
566	CDH13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
567	CEACAM1_UNIT	Char	5	Analyte unit
568	CEACAM1_LOW_RANGE	Char	5	Low range for analyte
569	CEACAM1_HIGH_RANGE	Char	5	High range for analyte
570	CEACAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
571	CEACAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
572	CKM_CKB_UNIT	Char	5	Analyte unit
573	CKM_CKB_LOW_RANGE	Char	5	Low range for analyte
574	CKM_CKB_HIGH_RANGE	Char	5	High range for analyte
575	CKM_CKB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
576	CKM_CKB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
577	CXCL5_UNIT	Char	5	Analyte unit
578	CXCL5_LOW_RANGE	Char	5	Low range for analyte
579	CXCL5_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
580	CXCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
581	CXCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
582	DCN_UNIT	Char	5	Analyte unit
583	DCN_LOW_RANGE	Char	5	Low range for analyte
584	DCN_HIGH_RANGE	Char	5	High range for analyte
585	DCN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
586	DCN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
587	FABP3_UNIT	Char	5	Analyte unit
588	FABP3_LOW_RANGE	Char	5	Low range for analyte
589	FABP3_HIGH_RANGE	Char	5	High range for analyte
590	FABP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
591	FABP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
592	FAS_UNIT	Char	5	Analyte unit
593	FAS_LOW_RANGE	Char	5	Low range for analyte
594	FAS_HIGH_RANGE	Char	5	High range for analyte
595	FAS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
596	FAS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
597	HGF_UNIT	Char	5	Analyte unit
598	HGF_LOW_RANGE	Char	5	Low range for analyte
599	HGF_HIGH_RANGE	Char	5	High range for analyte
600	HGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
601	HGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
602	IGE_UNIT	Char	4	Analyte unit
603	IGE_LOW_RANGE	Char	4	Low range for analyte
604	IGE_HIGH_RANGE	Char	4	High range for analyte
605	IGE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
606	IGE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
607	IL13_UNIT	Char	5	Analyte unit
608	IL13_LOW_RANGE	Char	5	Low range for analyte
609	IL13_HIGH_RANGE	Char	5	High range for analyte
610	IL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
611	IL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
612	IL16_UNIT	Char	5	Analyte unit
613	IL16_LOW_RANGE	Char	5	Low range for analyte
614	IL16_HIGH_RANGE	Char	5	High range for analyte
615	IL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
616	IL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
617	IL18BP_UNIT	Char	5	Analyte unit
618	IL18BP_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
619	IL18BP_HIGH_RANGE	Char	5	High range for analyte
620	IL18BP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
621	IL18BP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
622	KLK3_F_UNIT	Char	6	Analyte unit
623	KLK3_F_LOW_RANGE	Char	6	Low range for analyte
624	KLK3_F_HIGH_RANGE	Char	6	High range for analyte
625	KLK3_F_LDD	Num	8	LDD (Least Detectable Dose) for analyte
626	KLK3_F_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
627	MDA_LDL_UNIT	Char	5	Analyte unit
628	MDA_LDL_LOW_RANGE	Char	5	Low range for analyte
629	MDA_LDL_HIGH_RANGE	Char	5	High range for analyte
630	MDA_LDL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
631	MDA_LDL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
632	MDK_UNIT	Char	5	Analyte unit
633	MDK_LOW_RANGE	Char	5	Low range for analyte
634	MDK_HIGH_RANGE	Char	5	High range for analyte
635	MDK_LDD	Num	8	LDD (Least Detectable Dose) for analyte
636	MDK_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
637	NPPB_PH_UNIT	Char	5	Analyte unit
638	NPPB_PH_LOW_RANGE	Char	5	Low range for analyte
639	NPPB_PH_HIGH_RANGE	Char	5	High range for analyte
640	NPPB_PH_LDD	Num	8	LDD (Least Detectable Dose) for analyte
641	NPPB_PH_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
642	OLR1_UNIT	Char	5	Analyte unit
643	OLR1_LOW_RANGE	Char	5	Low range for analyte
644	OLR1_HIGH_RANGE	Char	5	High range for analyte
645	OLR1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
646	OLR1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
647	PECAM1_UNIT	Char	5	Analyte unit
648	PECAM1_LOW_RANGE	Char	5	Low range for analyte
649	PECAM1_HIGH_RANGE	Char	5	High range for analyte
650	PECAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
651	PECAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
652	SFTPD_UNIT	Char	5	Analyte unit
653	SFTPD_LOW_RANGE	Char	5	Low range for analyte
654	SFTPD_HIGH_RANGE	Char	5	High range for analyte
655	SFTPD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
656	SFTPD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
657	THBD_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
658	THBD_LOW_RANGE	Char	5	Low range for analyte
659	THBD_HIGH_RANGE	Char	5	High range for analyte
660	THBD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
661	THBD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
662	TNFRSF10C_UNIT	Char	5	Analyte unit
663	TNFRSF10C_LOW_RANGE	Char	5	Low range for analyte
664	TNFRSF10C_HIGH_RANGE	Char	5	High range for analyte
665	TNFRSF10C_LDD	Num	8	LDD (Least Detectable Dose) for analyte
666	TNFRSF10C_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
667	ANGPT1	Num	8	Angiopoietin 1 (ANGPT1)
668	AXL	Num	8	AXL Receptor Tyrosine Kinase (AXL)
669	CA9	Num	8	Carbonic anhydrase IX (CA9)
670	CCL16	Num	8	Chemokine (C-C motif) ligand 16 (CCL16)
671	CCL18	Num	8	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) (CCL18)
672	CCL22	Num	8	chemokine (C-C motif) ligand 22 (CCL22)
673	CDH13	Num	8	Cadherin 13, H-cadherin (heart) (CDH13)
674	CEACAM1	Num	8	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
675	CKM_CKB	Num	8	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
676	CXCL5	Num	8	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
677	DCN	Num	8	Decorin (DCN)
678	FABP3	Num	8	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
679	FAS	Num	8	Fas cell surface death receptor (FAS)
680	HGF	Num	8	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
681	IGE	Num	8	Immunoglobulin E (IgE)
682	IL13	Num	8	Interleukin 13 (IL13)
683	IL16	Num	8	Interleukin 16 (IL16)
684	IL18BP	Num	8	Interleukin 18 binding protein (IL18BP)
685	KLK3_F	Num	8	Kallikrein-related peptidase 3 (free) (PSAF)
686	MDA_LDL	Num	8	Malondialdehyde-Modified Low-Density Lipoprotein (MDA-LDL)
687	MDK	Num	8	Midkine (neurite growth-promoting factor 2) (MDK)
688	NPPB_PH	Num	8	Natriuretic peptide (NPPB; N-terminal prohormone)
689	OLR1	Num	8	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
690	PECAM1	Num	8	Platelet endothelial cell adhesion molecule (PECAM1)
691	SFTPD	Num	8	Surfactant protein D (SFTPD)
692	THBD	Num	8	Thrombomodulin (THBD)
693	TNFRSF10C	Num	8	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
694	ADIPOQ_RAW	Char	5	Adiponectin, C1Q and collagen domain containing (ADIPOQ)

Num	Variable	Type	Len	Label
695	SERPINA3_RAW	Char	4	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 (SERPINA3)
696	SERPINA1_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
697	A2M_RAW	Char	6	Alpha-2-Macroglobulin (A2M)
698	SLPI_RAW	Char	3	Secretory leukocyte peptidase inhibitor (SLPI)
699	LPA_RAW	Char	5	Lipoprotein, (Lp(a) (LPA)
700	APOA4_RAW	Char	5	Apolipoprotein A-IV (APOA4)
701	B2M_RAW	Char	4	Beta-2-microglobulin (B2M)
702	BDNF_RAW	Char	5	Brain-derived neurotrophic factor (BDNF)
703	CRP_RAW	Char	5	C-reactive protein, pentraxin-related (CRP)
704	CDH1_RAW	Char	5	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
705	CHGA_RAW	Char	5	Chromogranin A (parathyroid secretory protein 1) (CHGA)
706	C3_RAW	Char	5	Complement component C3 (C3)
707	CSTB_RAW	Char	3	Cystatin B (stefin B) (CSTB)
708	SELE_RAW	Char	5	Selectin E (SELE)
709	CCL11_RAW	Char	5	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
710	CCL24_RAW	Char	5	Chemokine (C-C motif) ligand 24 (CCL24)
711	F7_RAW	Char	4	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
712	FTL_FTH1_RAW	Char	5	Ferritin [FT(L/H1)]
713	FGA_FGB_FGG_RAW	Char	5	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
714	CSF2_RAW	Char	5	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
715	HP_RAW	Char	6	Haptoglobin (HP)
716	HSPD1_RAW	Char	5	Heat shock 60kDa protein 1 (chaperonin) (HSPD1)
717	IGA_RAW	Char	5	Immunoglobulin A (IgA)
718	IGM_RAW	Char	5	Immunoglobulin M
719	ICAM1_RAW	Char	4	Intercellular Adhesion Molecule 1 (ICAM1)
720	IFNG_RAW	Char	5	Interferon, gamma (IFNG)
721	CXCL10_RAW	Char	4	Chemokine (C-X-C motif) ligand 10 (CXCL10)
722	IL1A_RAW	Char	7	Interleukin 1, alpha (IL1A)
723	IL1B_RAW	Char	5	Interleukin 1, beta (IL1B)
724	IL1RN_RAW	Char	5	Interleukin 1 receptor antagonist (IL1RN)
725	IL2_RAW	Char	5	Interleukin 2 (IL2)
726	IL2RA_RAW	Char	5	Interleukin 2 receptor, alpha (IL2RA)
727	IL3_RAW	Char	6	Interleukin 3 (IL3)
728	IL4_RAW	Char	5	Interleukin 4 (IL4)
729	IL5_RAW	Char	5	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
730	IL6_RAW	Char	5	Interleukin 6 (interferon, beta 2) (IL6)
731	IL6R_RAW	Char	4	Interleukin-6 receptor (IL6R)

Num	Variable	Type	Len	Label
732	IL7_RAW	Char	5	Interleukin 7 (IL7)
733	IL8_RAW	Char	5	Interleukin 8 (IL8)
734	IL10_RAW	Char	5	Interleukin 10 (IL10)
735	IL12B_RAW	Char	5	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
736	IL12A_IL12B_RAW	Char	5	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
737	IL15_RAW	Char	5	Interleukin 15 (IL15)
738	IL17A_RAW	Char	5	Interleukin 17 (IL17A)
739	IL18_RAW	Char	5	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
740	IL23A_RAW	Char	5	Interleukin 23, alpha subunit p19 (IL23A)
741	LTF_RAW	Char	3	Lactotransferrin
742	TGFB1_LAP_RAW	Char	4	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
743	CCL3_RAW	Char	5	Chemokine (C-C motif) ligand 3 (CCL3)
744	CCL4_RAW	Char	5	Chemokine (C-C motif) ligand 4 (CCL4)
745	CCL20_RAW	Char	5	Chemokine (C-C motif) ligand 20 (CCL20)
746	KIT_RAW	Char	5	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
747	MMP3_RAW	Char	4	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
748	MMP9_RAW	Char	5	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
749	MICA_RAW	Char	5	MHC class I polypeptide-related sequence A (MICA)
750	CCL2_RAW	Char	5	Chemokine (C-C motif) ligand 2 (CCL2)
751	CCL8_RAW	Char	4	Chemokine (C-C motif) ligand 8 (CCL8)
752	CCL13_RAW	Char	5	Chemokine (C-C motif) ligand 13 (CCL13)
753	CXCL9_RAW	Char	5	Chemokine (C-X-C motif) ligand 9 (CXCL9)
754	CCL23_RAW	Char	5	Chemokine (C-C motif) ligand 23 (CCL23)
755	MB_RAW	Char	5	Myoglobin (MB)
756	NGF_RAW	Char	6	Nerve growth gactor (beta polypeptide) (NGF)
757	NRCAM_RAW	Char	5	Neuronal Cell Adhesion Molecule (NRCAM)
758	TNFRSF11B_RAW	Char	3	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
759	SPINK1_RAW	Char	3	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
760	SERPINE1_RAW	Char	5	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
761	INS_INTACT_RAW	Char	5	Proinsulin, Intact (INS_intact)
762	INS_TOTAL_RAW	Char	5	Proinsulin, Total (INS_total)
763	AGER_RAW	Char	5	Advanced glycosylation end product-specific receptor (AGER)
764	S100B_RAW	Char	5	S100 calcium binding protein B (S100B)
765	APCS_RAW	Char	5	Amyloid P-component, serum (APCS)
766	SHBG_RAW	Char	5	Sex Hormone-Binding Globulin (SHBG)
767	SORT1_RAW	Char	5	Sortilin 1 (SORT1)
768	KITLG_RAW	Char	5	KIT ligand (KITLG)

Num	Variable	Type	Len	Label
769	SOD1_RAW	Char	4	Superoxide Dismutase 1, soluble (SOD1)
770	CCL5_RAW	Char	5	chemokine (C-C motif) ligand 5 (CCL5)
771	SERPINA7_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
772	TIMP1_RAW	Char	3	TIMP metallopeptidase inhibitor 1 (TIMP1)
773	TIMP2_RAW	Char	3	TIMP metallopeptidase inhibitor 2 (TIMP2)
774	TNF_RAW	Char	5	Tumor necrosis factor (TNF)
775	LTA_RAW	Char	5	Lymphotoxin alpha (LTA)
776	TNFRSF1A_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
777	TNFRSF1B_RAW	Char	3	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
778	VCAM1_RAW	Char	4	Vascular cell adhesion molecule 1 (VCAM1)
779	VEGFA_RAW	Char	4	Vascular endothelial growth factor (VEGFA)
780	GC_RAW	Char	5	Group-specific component (vitamin D binding protein) (GC)
781	VWF_RAW	Char	5	von Willebrand Factor (vWF)
782	ANGPT1_RAW	Char	5	Angiopoietin 1 (ANGPT1)
783	AXL_RAW	Char	3	AXL Receptor Tyrosine Kinase (AXL)
784	CDH13_RAW	Char	4	Cadherin 13, H-cadherin (heart) (CDH13)
785	CA9_RAW	Char	5	Carbonic anhydrase IX (CA9)
786	CEACAM1_RAW	Char	5	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
787	CCL16_RAW	Char	4	Chemokine (C-C motif) ligand 16 (CCL16)
788	CKM_CKB_RAW	Char	4	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
789	DCN_RAW	Char	4	Decorin (DCN)
790	CXCL5_RAW	Char	4	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
791	FAS_RAW	Char	3	Fas cell surface death receptor (FAS)
792	FABP3_RAW	Char	5	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
793	HGF_RAW	Char	3	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
794	IGE_RAW	Char	5	Immunoglobulin E (IgE)
795	IL13_RAW	Char	5	Interleukin 13 (IL13)
796	IL16_RAW	Char	4	Interleukin 16 (IL16)
797	IL18BP_RAW	Char	3	Interleukin 18 binding protein (IL18BP)
798	OLR1_RAW	Char	5	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
799	CCL22_RAW	Char	4	chemokine (C-C motif) ligand 22 (CCL22)
800	MDA_LDL_RAW	Char	5	Malondialdehyde-Modified Low-Density Lipoprotein (MDA-LDL)
801	MDK_RAW	Char	5	Midkine (neurite growth-promoting factor 2) (MDK)
802	NPPB_PH_RAW	Char	5	Natriuretic peptide (NPPB; N-terminal prohormone)
803	PECAM1_RAW	Char	3	Platelet endothelial cell adhesion molecule (PECAM1)
804	KLK3_F_RAW	Char	6	Kallikrein-related peptidase 3 (free) (PSAF)
805	CCL18_RAW	Char	3	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) (CCL18)

Num	Variable	Type	Len	Label
806	SFTPD_RAW	Char	3	Surfactant protein D (SFTPD)
807	THBD_RAW	Char	4	Thrombomodulin (THBD)
808	TNFRSF10C_RAW	Char	4	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
809	A2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
810	ADIPOQ_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
811	AGER_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
812	ANGPT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
813	APCS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
814	APOA4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
815	AXL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
816	B2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
817	BDNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
818	C3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
819	CA9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
820	CCL11_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
821	CCL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
822	CCL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
823	CCL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
824	CCL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
825	CCL20_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
826	CCL22_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
827	CCL23_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
828	CCL24_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
829	CCL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
830	CCL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
831	CCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
832	CCL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
833	CDH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
834	CDH13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
835	CEACAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
836	CHGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
837	CKM_CKB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
838	CRP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
839	CSF2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
840	CSTB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
841	CXCL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
842	CXCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
843	CXCL9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
844	DCN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
845	F7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
846	FABP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
847	FAS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
848	FGA_FGB_FGG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
849	FTL_FTH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
850	GC_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
851	HGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
852	HP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
853	HSPD1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
854	ICAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
855	IFNG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
856	IGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
857	IGE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
858	IGM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
859	IL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
860	IL12A_IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
861	IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
862	IL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
863	IL15_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
864	IL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
865	IL17A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
866	IL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
867	IL18BP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
868	IL1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
869	IL1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
870	IL1RN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
871	IL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
872	IL23A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
873	IL2RA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
874	IL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
875	IL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
876	IL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
877	IL6_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
878	IL6R_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
879	IL7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
880	IL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
881	INS_INTACT_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
882	INS_TOTAL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
883	KIT_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
884	KITLG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
885	KLK3_F_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
886	LPA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
887	LTA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
888	LTF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
889	MB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
890	MDA_LDL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
891	MDK_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
892	MICA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
893	MMP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
894	MMP9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
895	NGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
896	NPPB_PH_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
897	NRCAM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
898	OLR1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
899	PECAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
900	S100B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
901	SELE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
902	SERPINA1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
903	SERPINA3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
904	SERPINA7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
905	SERPINE1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
906	SFTPD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
907	SHBG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
908	SLPI_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
909	SOD1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
910	SORT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
911	SPINK1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
912	TGFB1_LAP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
913	THBD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
914	TIMP1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
915	TIMP2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
916	TNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
917	TNFRSF10C_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
918	TNFRSF11B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
919	TNFRSF1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
920	TNFRSF1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
921	VCAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
922	VEGFA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
923	VWF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
924	A2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
925	ADIPOQ_OUTLIER	Num	8	Flag of potential outlier values for analyte
926	AGER_OUTLIER	Num	8	Flag of potential outlier values for analyte
927	ANGPT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
928	APCS_OUTLIER	Num	8	Flag of potential outlier values for analyte
929	APOA4_OUTLIER	Num	8	Flag of potential outlier values for analyte
930	AXL_OUTLIER	Num	8	Flag of potential outlier values for analyte
931	B2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
932	BDNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
933	C3_OUTLIER	Num	8	Flag of potential outlier values for analyte
934	CA9_OUTLIER	Num	8	Flag of potential outlier values for analyte
935	CCL11_OUTLIER	Num	8	Flag of potential outlier values for analyte
936	CCL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
937	CCL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
938	CCL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
939	CCL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
940	CCL20_OUTLIER	Num	8	Flag of potential outlier values for analyte
941	CCL22_OUTLIER	Num	8	Flag of potential outlier values for analyte
942	CCL23_OUTLIER	Num	8	Flag of potential outlier values for analyte
943	CCL24_OUTLIER	Num	8	Flag of potential outlier values for analyte
944	CCL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
945	CCL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
946	CCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
947	CCL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
948	CDH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
949	CDH13_OUTLIER	Num	8	Flag of potential outlier values for analyte
950	CEACAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
951	CHGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
952	CKM_CKB_OUTLIER	Num	8	Flag of potential outlier values for analyte
953	CRP_OUTLIER	Num	8	Flag of potential outlier values for analyte
954	CSF2_OUTLIER	Num	8	Flag of potential outlier values for analyte
955	CSTB_OUTLIER	Num	8	Flag of potential outlier values for analyte
956	CXCL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
957	CXCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
958	CXCL9_OUTLIER	Num	8	Flag of potential outlier values for analyte
959	DCN_OUTLIER	Num	8	Flag of potential outlier values for analyte
960	F7_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
961	FABP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
962	FAS_OUTLIER	Num	8	Flag of potential outlier values for analyte
963	FGA_FGB_FGG_OUTLIER	Num	8	Flag of potential outlier values for analyte
964	FTL_FTH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
965	GC_OUTLIER	Num	8	Flag of potential outlier values for analyte
966	HGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
967	HP_OUTLIER	Num	8	Flag of potential outlier values for analyte
968	HSPD1_OUTLIER	Num	8	Flag of potential outlier values for analyte
969	ICAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
970	IFNG_OUTLIER	Num	8	Flag of potential outlier values for analyte
971	IGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
972	IGE_OUTLIER	Num	8	Flag of potential outlier values for analyte
973	IGM_OUTLIER	Num	8	Flag of potential outlier values for analyte
974	IL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
975	IL12A_IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
976	IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
977	IL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
978	IL15_OUTLIER	Num	8	Flag of potential outlier values for analyte
979	IL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
980	IL17A_OUTLIER	Num	8	Flag of potential outlier values for analyte
981	IL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
982	IL18BP_OUTLIER	Num	8	Flag of potential outlier values for analyte
983	IL1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
984	IL1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
985	IL1RN_OUTLIER	Num	8	Flag of potential outlier values for analyte
986	IL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
987	IL23A_OUTLIER	Num	8	Flag of potential outlier values for analyte
988	IL2RA_OUTLIER	Num	8	Flag of potential outlier values for analyte
989	IL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
990	IL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
991	IL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
992	IL6_OUTLIER	Num	8	Flag of potential outlier values for analyte
993	IL6R_OUTLIER	Num	8	Flag of potential outlier values for analyte
994	IL7_OUTLIER	Num	8	Flag of potential outlier values for analyte
995	IL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
996	INS_INTACT_OUTLIER	Num	8	Flag of potential outlier values for analyte
997	INS_TOTAL_OUTLIER	Num	8	Flag of potential outlier values for analyte
998	KIT_OUTLIER	Num	8	Flag of potential outlier values for analyte
999	KITLG_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
1000	KLK3_F_OUTLIER	Num	8	Flag of potential outlier values for analyte
1001	LPA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1002	LTA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1003	LTF_OUTLIER	Num	8	Flag of potential outlier values for analyte
1004	MB_OUTLIER	Num	8	Flag of potential outlier values for analyte
1005	MDA_LDL_OUTLIER	Num	8	Flag of potential outlier values for analyte
1006	MDK_OUTLIER	Num	8	Flag of potential outlier values for analyte
1007	MICA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1008	MMP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
1009	MMP9_OUTLIER	Num	8	Flag of potential outlier values for analyte
1010	NGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
1011	NPPB_PH_OUTLIER	Num	8	Flag of potential outlier values for analyte
1012	NRCAM_OUTLIER	Num	8	Flag of potential outlier values for analyte
1013	OLR1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1014	PECAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1015	S100B_OUTLIER	Num	8	Flag of potential outlier values for analyte
1016	SELE_OUTLIER	Num	8	Flag of potential outlier values for analyte
1017	SERPINA1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1018	SERPINA3_OUTLIER	Num	8	Flag of potential outlier values for analyte
1019	SERPINA7_OUTLIER	Num	8	Flag of potential outlier values for analyte
1020	SERPINE1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1021	SFTPD_OUTLIER	Num	8	Flag of potential outlier values for analyte
1022	SHBG_OUTLIER	Num	8	Flag of potential outlier values for analyte
1023	SLPI_OUTLIER	Num	8	Flag of potential outlier values for analyte
1024	SOD1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1025	SORT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1026	SPINK1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1027	TGFB1_LAP_OUTLIER	Num	8	Flag of potential outlier values for analyte
1028	THBD_OUTLIER	Num	8	Flag of potential outlier values for analyte
1029	TIMP1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1030	TIMP2_OUTLIER	Num	8	Flag of potential outlier values for analyte
1031	TNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
1032	TNFRSF10C_OUTLIER	Num	8	Flag of potential outlier values for analyte
1033	TNFRSF11B_OUTLIER	Num	8	Flag of potential outlier values for analyte
1034	TNFRSF1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
1035	TNFRSF1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
1036	VCAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
1037	VEGFA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1038	VWF_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
1039	A2M_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1040	ADIPOQ_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1041	AGER_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1042	ANGPT1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1043	APCS_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1044	APOA4_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1045	AXL_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1046	B2M_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1047	BDNF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1048	C3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1049	CA9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1050	CCL11_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1051	CCL13_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1052	CCL16_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1053	CCL18_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1054	CCL2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1055	CCL20_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1056	CCL22_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1057	CCL23_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1058	CCL24_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1059	CCL3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1060	CCL4_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1061	CCL5_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1062	CCL8_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1063	CDH1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1064	CDH13_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1065	CEACAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1066	CHGA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1067	CKM_CKB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1068	CRP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1069	CSTB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1070	CXCL10_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1071	CXCL5_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1072	CXCL9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1073	DCN_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1074	F7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1075	FABP3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1076	FAS_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1077	FGA_FGB_FGG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1078	FTL_FTH1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1079	GC_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1080	HGF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1081	HP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1082	HSPD1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1083	ICAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1084	IFNG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1085	IGA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1086	IGE_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1087	IGM_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1088	IL10_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1089	IL12B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1090	IL15_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1091	IL16_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1092	IL17A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1093	IL18_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1094	IL18BP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1095	IL1A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1096	IL1B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1097	IL1RN_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1098	IL2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1099	IL23A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1100	IL2RA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1101	IL6_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1102	IL6R_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1103	IL7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1104	IL8_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1105	INS_INTACT_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1106	INS_TOTAL_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1107	KIT_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1108	KITLG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1109	KLK3_F_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1110	LPA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1111	LTF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1112	MB_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1113	MDA_LDL_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1114	MDK_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1115	MICA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1116	MMP3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1117	MMP9_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1118	NPPB_PH_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1119	NRCAM_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1120	OLR1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1121	PECAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1122	SELE_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1123	SERPINA1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1124	SERPINA3_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1125	SERPINA7_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1126	SERPINE1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1127	SFTPD_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1128	SHBG_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1129	SLPI_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1130	SOD1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Num	Variable	Type	Len	Label
1131	SORT1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1132	SPINK1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1133	TGFB1_LAP_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1134	THBD_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1135	TIMP1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1136	TIMP2_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1137	TNF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1138	TNFRSF10C_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1139	TNFRSF11B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1140	TNFRSF1A_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1141	TNFRSF1B_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1142	VCAM1_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1143	VEGFA_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.
1144	VWF_NORM	Num	8	Normalized values for the analyte. Computed only for analytes with percent below LLOQ less than 99%.

Data Set Name: rp_rbm2_nhlbiv1_160919.sas7bdat

Num	Variable	Type	Len	Label
1	subjectid	Char	9	Participant random ID
2	REPLICATE	Num	8	Flag indicating the labid is selected is a replicate specimen (i.e., phantom labid where PLI2A=1(serum)/4(Plasma))
3	FLAG_BATCH1_REPLICATE	Num	8	Flag indicating the labid is replicate of batch1
4	VISIT	Char	10	Visit
5	A2M_UNIT	Char	5	Analyte unit
6	A2M_LOW_RANGE	Char	5	Low range for analyte
7	A2M_HIGH_RANGE	Char	5	High range for analyte
8	A2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
9	A2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
10	ADIPOQ_UNIT	Char	5	Analyte unit
11	ADIPOQ_LOW_RANGE	Char	5	Low range for analyte
12	ADIPOQ_HIGH_RANGE	Char	5	High range for analyte
13	ADIPOQ_LDD	Num	8	LDD (Least Detectable Dose) for analyte
14	ADIPOQ_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
15	AGER_UNIT	Char	5	Analyte unit
16	AGER_LOW_RANGE	Char	5	Low range for analyte
17	AGER_HIGH_RANGE	Char	5	High range for analyte
18	AGER_LDD	Num	8	LDD (Least Detectable Dose) for analyte
19	AGER_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
20	APCS_UNIT	Char	5	Analyte unit
21	APCS_LOW_RANGE	Char	5	Low range for analyte
22	APCS_HIGH_RANGE	Char	5	High range for analyte
23	APCS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
24	APCS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
25	B2M_UNIT	Char	5	Analyte unit
26	B2M_LOW_RANGE	Char	5	Low range for analyte
27	B2M_HIGH_RANGE	Char	5	High range for analyte
28	B2M_LDD	Num	8	LDD (Least Detectable Dose) for analyte
29	B2M_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
30	BDNF_UNIT	Char	5	Analyte unit
31	BDNF_LOW_RANGE	Char	5	Low range for analyte
32	BDNF_HIGH_RANGE	Char	5	High range for analyte
33	BDNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
34	BDNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
35	C3_UNIT	Char	6	Analyte unit
36	C3_LOW_RANGE	Char	6	Low range for analyte

Num	Variable	Type	Len	Label
37	C3_HIGH_RANGE	Char	6	High range for analyte
38	C3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
39	C3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
40	CCL11_UNIT	Char	5	Analyte unit
41	CCL11_LOW_RANGE	Char	5	Low range for analyte
42	CCL11_HIGH_RANGE	Char	5	High range for analyte
43	CCL11_LDD	Num	8	LDD (Least Detectable Dose) for analyte
44	CCL11_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
45	CCL13_UNIT	Char	5	Analyte unit
46	CCL13_LOW_RANGE	Char	5	Low range for analyte
47	CCL13_HIGH_RANGE	Char	5	High range for analyte
48	CCL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
49	CCL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
50	CCL18_UNIT	Char	5	Analyte unit
51	CCL18_LOW_RANGE	Char	5	Low range for analyte
52	CCL18_HIGH_RANGE	Char	5	High range for analyte
53	CCL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
54	CCL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
55	CCL2_UNIT	Char	5	Analyte unit
56	CCL2_LOW_RANGE	Char	5	Low range for analyte
57	CCL2_HIGH_RANGE	Char	5	High range for analyte
58	CCL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
59	CCL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
60	CCL20_UNIT	Char	5	Analyte unit
61	CCL20_LOW_RANGE	Char	5	Low range for analyte
62	CCL20_HIGH_RANGE	Char	5	High range for analyte
63	CCL20_LDD	Num	8	LDD (Least Detectable Dose) for analyte
64	CCL20_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
65	CCL23_UNIT	Char	5	Analyte unit
66	CCL23_LOW_RANGE	Char	5	Low range for analyte
67	CCL23_HIGH_RANGE	Char	5	High range for analyte
68	CCL23_LDD	Num	8	LDD (Least Detectable Dose) for analyte
69	CCL23_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
70	CCL24_UNIT	Char	5	Analyte unit
71	CCL24_LOW_RANGE	Char	5	Low range for analyte
72	CCL24_HIGH_RANGE	Char	5	High range for analyte
73	CCL24_LDD	Num	8	LDD (Least Detectable Dose) for analyte
74	CCL24_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
75	CCL3_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
76	CCL3_LOW_RANGE	Char	5	Low range for analyte
77	CCL3_HIGH_RANGE	Char	5	High range for analyte
78	CCL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
79	CCL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
80	CCL4_UNIT	Char	5	Analyte unit
81	CCL4_LOW_RANGE	Char	5	Low range for analyte
82	CCL4_HIGH_RANGE	Char	5	High range for analyte
83	CCL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
84	CCL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
85	CCL5_UNIT	Char	5	Analyte unit
86	CCL5_LOW_RANGE	Char	5	Low range for analyte
87	CCL5_HIGH_RANGE	Char	5	High range for analyte
88	CCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
89	CCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
90	CCL8_UNIT	Char	5	Analyte unit
91	CCL8_LOW_RANGE	Char	5	Low range for analyte
92	CCL8_HIGH_RANGE	Char	5	High range for analyte
93	CCL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
94	CCL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
95	CDH1_UNIT	Char	5	Analyte unit
96	CDH1_LOW_RANGE	Char	5	Low range for analyte
97	CDH1_HIGH_RANGE	Char	5	High range for analyte
98	CDH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
99	CDH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
100	CHGA_UNIT	Char	5	Analyte unit
101	CHGA_LOW_RANGE	Char	5	Low range for analyte
102	CHGA_HIGH_RANGE	Char	5	High range for analyte
103	CHGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
104	CHGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
105	CRP_UNIT	Char	5	Analyte unit
106	CRP_LOW_RANGE	Char	5	Low range for analyte
107	CRP_HIGH_RANGE	Char	5	High range for analyte
108	CRP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
109	CRP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
110	CSF2_UNIT	Char	5	Analyte unit
111	CSF2_LOW_RANGE	Char	5	Low range for analyte
112	CSF2_HIGH_RANGE	Char	5	High range for analyte
113	CSF2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
114	CSF2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
115	CSTB_UNIT	Char	5	Analyte unit
116	CSTB_LOW_RANGE	Char	5	Low range for analyte
117	CSTB_HIGH_RANGE	Char	5	High range for analyte
118	CSTB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
119	CSTB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
120	CXCL1_UNIT	Char	5	Analyte unit
121	CXCL1_LOW_RANGE	Char	5	Low range for analyte
122	CXCL1_HIGH_RANGE	Char	5	High range for analyte
123	CXCL1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
124	CXCL1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
125	CXCL10_UNIT	Char	5	Analyte unit
126	CXCL10_LOW_RANGE	Char	5	Low range for analyte
127	CXCL10_HIGH_RANGE	Char	5	High range for analyte
128	CXCL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
129	CXCL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
130	CXCL9_UNIT	Char	5	Analyte unit
131	CXCL9_LOW_RANGE	Char	5	Low range for analyte
132	CXCL9_HIGH_RANGE	Char	5	High range for analyte
133	CXCL9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
134	CXCL9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
135	F7_UNIT	Char	5	Analyte unit
136	F7_LOW_RANGE	Char	5	Low range for analyte
137	F7_HIGH_RANGE	Char	5	High range for analyte
138	F7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
139	F7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
140	FGA_FGB_FGG_UNIT	Char	6	Analyte unit
141	FGA_FGB_FGG_LOW_RANGE	Char	6	Low range for analyte
142	FGA_FGB_FGG_HIGH_RANGE	Char	6	High range for analyte
143	FGA_FGB_FGG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
144	FGA_FGB_FGG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
145	FTL_FTH1_UNIT	Char	5	Analyte unit
146	FTL_FTH1_LOW_RANGE	Char	5	Low range for analyte
147	FTL_FTH1_HIGH_RANGE	Char	5	High range for analyte
148	FTL_FTH1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
149	FTL_FTH1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
150	GC_UNIT	Char	5	Analyte unit
151	GC_LOW_RANGE	Char	5	Low range for analyte
152	GC_HIGH_RANGE	Char	5	High range for analyte
153	GC_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
154	GC_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
155	HP_UNIT	Char	5	Analyte unit
156	HP_LOW_RANGE	Char	5	Low range for analyte
157	HP_HIGH_RANGE	Char	5	High range for analyte
158	HP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
159	HP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
160	ICAM1_UNIT	Char	5	Analyte unit
161	ICAM1_LOW_RANGE	Char	5	Low range for analyte
162	ICAM1_HIGH_RANGE	Char	5	High range for analyte
163	ICAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
164	ICAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
165	IFNG_UNIT	Char	5	Analyte unit
166	IFNG_LOW_RANGE	Char	5	Low range for analyte
167	IFNG_HIGH_RANGE	Char	5	High range for analyte
168	IFNG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
169	IFNG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
170	IGA_UNIT	Char	5	Analyte unit
171	IGA_LOW_RANGE	Char	5	Low range for analyte
172	IGA_HIGH_RANGE	Char	5	High range for analyte
173	IGA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
174	IGA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
175	IGM_UNIT	Char	5	Analyte unit
176	IGM_LOW_RANGE	Char	5	Low range for analyte
177	IGM_HIGH_RANGE	Char	5	High range for analyte
178	IGM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
179	IGM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
180	IL10_UNIT	Char	5	Analyte unit
181	IL10_LOW_RANGE	Char	5	Low range for analyte
182	IL10_HIGH_RANGE	Char	5	High range for analyte
183	IL10_LDD	Num	8	LDD (Least Detectable Dose) for analyte
184	IL10_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
185	IL12A_IL12B_UNIT	Char	5	Analyte unit
186	IL12A_IL12B_LOW_RANGE	Char	5	Low range for analyte
187	IL12A_IL12B_HIGH_RANGE	Char	5	High range for analyte
188	IL12A_IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
189	IL12A_IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
190	IL12B_UNIT	Char	5	Analyte unit
191	IL12B_LOW_RANGE	Char	5	Low range for analyte
192	IL12B_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
193	IL12B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
194	IL12B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
195	IL15_UNIT	Char	5	Analyte unit
196	IL15_LOW_RANGE	Char	5	Low range for analyte
197	IL15_HIGH_RANGE	Char	5	High range for analyte
198	IL15_LDD	Num	8	LDD (Least Detectable Dose) for analyte
199	IL15_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
200	IL17A_UNIT	Char	5	Analyte unit
201	IL17A_LOW_RANGE	Char	5	Low range for analyte
202	IL17A_HIGH_RANGE	Char	5	High range for analyte
203	IL17A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
204	IL17A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
205	IL18_UNIT	Char	5	Analyte unit
206	IL18_LOW_RANGE	Char	5	Low range for analyte
207	IL18_HIGH_RANGE	Char	5	High range for analyte
208	IL18_LDD	Num	8	LDD (Least Detectable Dose) for analyte
209	IL18_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
210	IL1A_UNIT	Char	6	Analyte unit
211	IL1A_LOW_RANGE	Char	6	Low range for analyte
212	IL1A_HIGH_RANGE	Char	6	High range for analyte
213	IL1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
214	IL1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
215	IL1B_UNIT	Char	5	Analyte unit
216	IL1B_LOW_RANGE	Char	5	Low range for analyte
217	IL1B_HIGH_RANGE	Char	5	High range for analyte
218	IL1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
219	IL1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
220	IL1RN_UNIT	Char	5	Analyte unit
221	IL1RN_LOW_RANGE	Char	5	Low range for analyte
222	IL1RN_HIGH_RANGE	Char	5	High range for analyte
223	IL1RN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
224	IL1RN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
225	IL2_UNIT	Char	5	Analyte unit
226	IL2_LOW_RANGE	Char	5	Low range for analyte
227	IL2_HIGH_RANGE	Char	5	High range for analyte
228	IL2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
229	IL2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
230	IL23A_UNIT	Char	5	Analyte unit
231	IL23A_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
232	IL23A_HIGH_RANGE	Char	5	High range for analyte
233	IL23A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
234	IL23A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
235	IL2RA_UNIT	Char	5	Analyte unit
236	IL2RA_LOW_RANGE	Char	5	Low range for analyte
237	IL2RA_HIGH_RANGE	Char	5	High range for analyte
238	IL2RA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
239	IL2RA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
240	IL3_UNIT	Char	6	Analyte unit
241	IL3_LOW_RANGE	Char	6	Low range for analyte
242	IL3_HIGH_RANGE	Char	6	High range for analyte
243	IL3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
244	IL3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
245	IL4_UNIT	Char	5	Analyte unit
246	IL4_LOW_RANGE	Char	5	Low range for analyte
247	IL4_HIGH_RANGE	Char	5	High range for analyte
248	IL4_LDD	Num	8	LDD (Least Detectable Dose) for analyte
249	IL4_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
250	IL5_UNIT	Char	5	Analyte unit
251	IL5_LOW_RANGE	Char	5	Low range for analyte
252	IL5_HIGH_RANGE	Char	5	High range for analyte
253	IL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
254	IL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
255	IL6_UNIT	Char	5	Analyte unit
256	IL6_LOW_RANGE	Char	5	Low range for analyte
257	IL6_HIGH_RANGE	Char	5	High range for analyte
258	IL6_LDD	Num	8	LDD (Least Detectable Dose) for analyte
259	IL6_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
260	IL6R_UNIT	Char	5	Analyte unit
261	IL6R_LOW_RANGE	Char	5	Low range for analyte
262	IL6R_HIGH_RANGE	Char	5	High range for analyte
263	IL6R_LDD	Num	8	LDD (Least Detectable Dose) for analyte
264	IL6R_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
265	IL7_UNIT	Char	5	Analyte unit
266	IL7_LOW_RANGE	Char	5	Low range for analyte
267	IL7_HIGH_RANGE	Char	5	High range for analyte
268	IL7_LDD	Num	8	LDD (Least Detectable Dose) for analyte
269	IL7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
270	IL8_UNIT	Char	5	Analyte unit

Num	Variable	Type	Len	Label
271	IL8_LOW_RANGE	Char	5	Low range for analyte
272	IL8_HIGH_RANGE	Char	5	High range for analyte
273	IL8_LDD	Num	8	LDD (Least Detectable Dose) for analyte
274	IL8_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
275	KIT_UNIT	Char	5	Analyte unit
276	KIT_LOW_RANGE	Char	5	Low range for analyte
277	KIT_HIGH_RANGE	Char	5	High range for analyte
278	KIT_LDD	Num	8	LDD (Least Detectable Dose) for analyte
279	KIT_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
280	KITLG_UNIT	Char	5	Analyte unit
281	KITLG_LOW_RANGE	Char	5	Low range for analyte
282	KITLG_HIGH_RANGE	Char	5	High range for analyte
283	KITLG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
284	KITLG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
285	LPA_UNIT	Char	5	Analyte unit
286	LPA_LOW_RANGE	Char	5	Low range for analyte
287	LPA_HIGH_RANGE	Char	5	High range for analyte
288	LPA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
289	LPA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
290	LTA_UNIT	Char	5	Analyte unit
291	LTA_LOW_RANGE	Char	5	Low range for analyte
292	LTA_HIGH_RANGE	Char	5	High range for analyte
293	LTA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
294	LTA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
295	LTF_UNIT	Char	5	Analyte unit
296	LTF_LOW_RANGE	Char	5	Low range for analyte
297	LTF_HIGH_RANGE	Char	5	High range for analyte
298	LTF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
299	LTF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
300	MB_UNIT	Char	5	Analyte unit
301	MB_LOW_RANGE	Char	5	Low range for analyte
302	MB_HIGH_RANGE	Char	5	High range for analyte
303	MB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
304	MB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
305	MMP3_UNIT	Char	5	Analyte unit
306	MMP3_LOW_RANGE	Char	5	Low range for analyte
307	MMP3_HIGH_RANGE	Char	5	High range for analyte
308	MMP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
309	MMP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte

Num	Variable	Type	Len	Label
310	MMP9_UNIT	Char	5	Analyte unit
311	MMP9_LOW_RANGE	Char	5	Low range for analyte
312	MMP9_HIGH_RANGE	Char	5	High range for analyte
313	MMP9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
314	MMP9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
315	NGF_UNIT	Char	5	Analyte unit
316	NGF_LOW_RANGE	Char	5	Low range for analyte
317	NGF_HIGH_RANGE	Char	5	High range for analyte
318	NGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
319	NGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
320	NRCAM_UNIT	Char	5	Analyte unit
321	NRCAM_LOW_RANGE	Char	5	Low range for analyte
322	NRCAM_HIGH_RANGE	Char	5	High range for analyte
323	NRCAM_LDD	Num	8	LDD (Least Detectable Dose) for analyte
324	NRCAM_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
325	S100A12_UNIT	Char	5	Analyte unit
326	S100A12_LOW_RANGE	Char	5	Low range for analyte
327	S100A12_HIGH_RANGE	Char	5	High range for analyte
328	S100A12_LDD	Num	8	LDD (Least Detectable Dose) for analyte
329	S100A12_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
330	S100B_UNIT	Char	5	Analyte unit
331	S100B_LOW_RANGE	Char	5	Low range for analyte
332	S100B_HIGH_RANGE	Char	5	High range for analyte
333	S100B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
334	S100B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
335	SELE_UNIT	Char	5	Analyte unit
336	SELE_LOW_RANGE	Char	5	Low range for analyte
337	SELE_HIGH_RANGE	Char	5	High range for analyte
338	SELE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
339	SELE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
340	SERPINA1_UNIT	Char	5	Analyte unit
341	SERPINA1_LOW_RANGE	Char	5	Low range for analyte
342	SERPINA1_HIGH_RANGE	Char	5	High range for analyte
343	SERPINA1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
344	SERPINA1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
345	SERPINA7_UNIT	Char	5	Analyte unit
346	SERPINA7_LOW_RANGE	Char	5	Low range for analyte
347	SERPINA7_HIGH_RANGE	Char	5	High range for analyte
348	SERPINA7_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
349	SERPINA7_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
350	SERPINE1_UNIT	Char	5	Analyte unit
351	SERPINE1_LOW_RANGE	Char	5	Low range for analyte
352	SERPINE1_HIGH_RANGE	Char	5	High range for analyte
353	SERPINE1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
354	SERPINE1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
355	SHBG_UNIT	Char	6	Analyte unit
356	SHBG_LOW_RANGE	Char	6	Low range for analyte
357	SHBG_HIGH_RANGE	Char	6	High range for analyte
358	SHBG_LDD	Num	8	LDD (Least Detectable Dose) for analyte
359	SHBG_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
360	SLPI_UNIT	Char	5	Analyte unit
361	SLPI_LOW_RANGE	Char	5	Low range for analyte
362	SLPI_HIGH_RANGE	Char	5	High range for analyte
363	SLPI_LDD	Num	8	LDD (Least Detectable Dose) for analyte
364	SLPI_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
365	SOD1_UNIT	Char	5	Analyte unit
366	SOD1_LOW_RANGE	Char	5	Low range for analyte
367	SOD1_HIGH_RANGE	Char	5	High range for analyte
368	SOD1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
369	SOD1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
370	SORT1_UNIT	Char	5	Analyte unit
371	SORT1_LOW_RANGE	Char	5	Low range for analyte
372	SORT1_HIGH_RANGE	Char	5	High range for analyte
373	SORT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
374	SORT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
375	SPINK1_UNIT	Char	5	Analyte unit
376	SPINK1_LOW_RANGE	Char	5	Low range for analyte
377	SPINK1_HIGH_RANGE	Char	5	High range for analyte
378	SPINK1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
379	SPINK1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
380	TGFB1_LAP_UNIT	Char	5	Analyte unit
381	TGFB1_LAP_LOW_RANGE	Char	5	Low range for analyte
382	TGFB1_LAP_HIGH_RANGE	Char	5	High range for analyte
383	TGFB1_LAP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
384	TGFB1_LAP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
385	TIMP1_UNIT	Char	5	Analyte unit
386	TIMP1_LOW_RANGE	Char	5	Low range for analyte
387	TIMP1_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
388	TIMP1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
389	TIMP1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
390	TIMP2_UNIT	Char	5	Analyte unit
391	TIMP2_LOW_RANGE	Char	5	Low range for analyte
392	TIMP2_HIGH_RANGE	Char	5	High range for analyte
393	TIMP2_LDD	Num	8	LDD (Least Detectable Dose) for analyte
394	TIMP2_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
395	TNF_UNIT	Char	5	Analyte unit
396	TNF_LOW_RANGE	Char	5	Low range for analyte
397	TNF_HIGH_RANGE	Char	5	High range for analyte
398	TNF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
399	TNF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
400	TNFRSF11B_UNIT	Char	4	Analyte unit
401	TNFRSF11B_LOW_RANGE	Char	4	Low range for analyte
402	TNFRSF11B_HIGH_RANGE	Char	4	High range for analyte
403	TNFRSF11B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
404	TNFRSF11B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
405	TNFRSF1A_UNIT	Char	5	Analyte unit
406	TNFRSF1A_LOW_RANGE	Char	5	Low range for analyte
407	TNFRSF1A_HIGH_RANGE	Char	5	High range for analyte
408	TNFRSF1A_LDD	Num	8	LDD (Least Detectable Dose) for analyte
409	TNFRSF1A_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
410	TNFRSF1B_UNIT	Char	5	Analyte unit
411	TNFRSF1B_LOW_RANGE	Char	5	Low range for analyte
412	TNFRSF1B_HIGH_RANGE	Char	5	High range for analyte
413	TNFRSF1B_LDD	Num	8	LDD (Least Detectable Dose) for analyte
414	TNFRSF1B_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
415	VCAM1_UNIT	Char	5	Analyte unit
416	VCAM1_LOW_RANGE	Char	5	Low range for analyte
417	VCAM1_HIGH_RANGE	Char	5	High range for analyte
418	VCAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
419	VCAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
420	VEGFA_UNIT	Char	5	Analyte unit
421	VEGFA_LOW_RANGE	Char	5	Low range for analyte
422	VEGFA_HIGH_RANGE	Char	5	High range for analyte
423	VEGFA_LDD	Num	8	LDD (Least Detectable Dose) for analyte
424	VEGFA_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
425	VTN_UNIT	Char	5	Analyte unit
426	VTN_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
427	VTN_HIGH_RANGE	Char	5	High range for analyte
428	VTN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
429	VTN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
430	VWF_UNIT	Char	5	Analyte unit
431	VWF_LOW_RANGE	Char	5	Low range for analyte
432	VWF_HIGH_RANGE	Char	5	High range for analyte
433	VWF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
434	VWF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
435	A2M	Num	8	Alpha-2-Macroglobulin (A2M)
436	ADIPOQ	Num	8	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
437	AGER	Num	8	Advanced glycosylation end product-specific receptor (AGER)
438	APCS	Num	8	Amyloid P-component, serum (APCS)
439	B2M	Num	8	Beta-2-microglobulin (B2M)
440	BDNF	Num	8	Brain-derived neurotrophic factor (BDNF)
441	C3	Num	8	Complement component C3 (C3)
442	CCL11	Num	8	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
443	CCL13	Num	8	Chemokine (C-C motif) ligand 13 (CCL13)
444	CCL18	Num	8	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) (CCL18)
445	CCL2	Num	8	Chemokine (C-C motif) ligand 2 (CCL2)
446	CCL20	Num	8	Chemokine (C-C motif) ligand 20 (CCL20)
447	CCL23	Num	8	Chemokine (C-C motif) ligand 23 (CCL23)
448	CCL24	Num	8	Chemokine (C-C motif) ligand 24 (CCL24)
449	CCL3	Num	8	Chemokine (C-C motif) ligand 3 (CCL3)
450	CCL4	Num	8	Chemokine (C-C motif) ligand 4 (CCL4)
451	CCL5	Num	8	chemokine (C-C motif) ligand 5 (CCL5)
452	CCL8	Num	8	Chemokine (C-C motif) ligand 8 (CCL8)
453	CDH1	Num	8	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
454	CHGA	Num	8	Chromogranin A (parathyroid secretory protein 1) (CHGA)
455	CRP	Num	8	C-reactive protein, pentraxin-related (CRP)
456	CSF2	Num	8	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
457	CSTB	Num	8	Cystatin B (stefin B) (CSTB)
458	CXCL1	Num	8	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
459	CXCL10	Num	8	Chemokine (C-X-C motif) ligand 10 (CXCL10)
460	CXCL9	Num	8	Chemokine (C-X-C motif) ligand 9 (CXCL9)
461	F7	Num	8	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
462	FGA_FGB_FGG	Num	8	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
463	FTL_FTH1	Num	8	Ferritin [FT(L/H1)]
464	GC	Num	8	Group-specific component (vitamin D binding protein) (GC)
465	HP	Num	8	Haptoglobin (HP)

Num	Variable	Type	Len	Label
466	ICAM1	Num	8	Intercellular Adhesion Molecule 1 (ICAM1)
467	IFNG	Num	8	Interferon, gamma (IFNG)
468	IGA	Num	8	Immunoglobulin A (IgA)
469	IGM	Num	8	Immunoglobulin M
470	IL10	Num	8	Interleukin 10 (IL10)
471	IL12A_IL12B	Num	8	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
472	IL12B	Num	8	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
473	IL15	Num	8	Interleukin 15 (IL15)
474	IL17A	Num	8	Interleukin 17 (IL17A)
475	IL18	Num	8	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
476	IL1A	Num	8	Interleukin 1, alpha (IL1A)
477	IL1B	Num	8	Interleukin 1, beta (IL1B)
478	IL1RN	Num	8	Interleukin 1 receptor antagonist (IL1RN)
479	IL2	Num	8	Interleukin 2 (IL2)
480	IL23A	Num	8	Interleukin 23, alpha subunit p19 (IL23A)
481	IL2RA	Num	8	Interleukin 2 receptor, alpha (IL2RA)
482	IL3	Num	8	Interleukin 3 (IL3)
483	IL4	Num	8	Interleukin 4 (IL4)
484	IL5	Num	8	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
485	IL6	Num	8	Interleukin 6 (interferon, beta 2) (IL6)
486	IL6R	Num	8	Interleukin-6 receptor (IL6R)
487	IL7	Num	8	Interleukin 7 (IL7)
488	IL8	Num	8	Interleukin 8 (IL8)
489	KIT	Num	8	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
490	KITLG	Num	8	KIT ligand (KITLG)
491	LPA	Num	8	Lipoprotein, (Lp(a) (LPA)
492	LTA	Num	8	Lymphotoxin alpha (LTA)
493	LTF	Num	8	Lactotransferrin
494	MB	Num	8	Myoglobin (MB)
495	MMP3	Num	8	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
496	MMP9	Num	8	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
497	NGF	Num	8	Nerve growth gactor (beta polypeptide) (NGF)
498	NRCAM	Num	8	Neuronal Cell Adhesion Molecule (NRCAM)
499	S100A12	Num	8	S100 calcium binding protein A12 (ENRAGE)
500	S100B	Num	8	S100 calcium binding protein B (S100B)
501	SELE	Num	8	Selectin E (SELE)
502	SERPINA1	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)

Num	Variable	Type	Len	Label
503	SERPINA7	Num	8	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
504	SERPINE1	Num	8	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
505	SHBG	Num	8	Sex Hormone-Binding Globulin (SHBG)
506	SLPI	Num	8	Secretory leukocyte peptidase inhibitor (SLPI)
507	SOD1	Num	8	Superoxide Dismutase 1, soluble (SOD1)
508	SORT1	Num	8	Sortilin 1 (SORT1)
509	SPINK1	Num	8	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
510	TGFB1_LAP	Num	8	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
511	TIMP1	Num	8	TIMP metallopeptidase inhibitor 1 (TIMP1)
512	TIMP2	Num	8	TIMP metallopeptidase inhibitor 2 (TIMP2)
513	TNF	Num	8	Tumor necrosis factor (TNF)
514	TNFRSF11B	Num	8	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
515	TNFRSF1A	Num	8	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
516	TNFRSF1B	Num	8	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
517	VCAM1	Num	8	Vascular cell adhesion molecule 1 (VCAM1)
518	VEGFA	Num	8	Vascular endothelial growth factor (VEGFA)
519	VTN	Num	8	Vitronectin
520	VWF	Num	8	von Willebrand Factor (vWF)
521	ANGPT1_UNIT	Char	5	Analyte unit
522	ANGPT1_LOW_RANGE	Char	5	Low range for analyte
523	ANGPT1_HIGH_RANGE	Char	5	High range for analyte
524	ANGPT1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
525	ANGPT1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
526	AXL_UNIT	Char	5	Analyte unit
527	AXL_LOW_RANGE	Char	5	Low range for analyte
528	AXL_HIGH_RANGE	Char	5	High range for analyte
529	AXL_LDD	Num	8	LDD (Least Detectable Dose) for analyte
530	AXL_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
531	CA9_UNIT	Char	5	Analyte unit
532	CA9_LOW_RANGE	Char	5	Low range for analyte
533	CA9_HIGH_RANGE	Char	5	High range for analyte
534	CA9_LDD	Num	8	LDD (Least Detectable Dose) for analyte
535	CA9_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
536	CCL16_UNIT	Char	5	Analyte unit
537	CCL16_LOW_RANGE	Char	5	Low range for analyte
538	CCL16_HIGH_RANGE	Char	5	High range for analyte
539	CCL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte

Num	Variable	Type	Len	Label
540	CCL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
541	CCL22_UNIT	Char	5	Analyte unit
542	CCL22_LOW_RANGE	Char	5	Low range for analyte
543	CCL22_HIGH_RANGE	Char	5	High range for analyte
544	CCL22_LDD	Num	8	LDD (Least Detectable Dose) for analyte
545	CCL22_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
546	CDH13_UNIT	Char	5	Analyte unit
547	CDH13_LOW_RANGE	Char	5	Low range for analyte
548	CDH13_HIGH_RANGE	Char	5	High range for analyte
549	CDH13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
550	CDH13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
551	CEACAM1_UNIT	Char	5	Analyte unit
552	CEACAM1_LOW_RANGE	Char	5	Low range for analyte
553	CEACAM1_HIGH_RANGE	Char	5	High range for analyte
554	CEACAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
555	CEACAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
556	CKM_CKB_UNIT	Char	5	Analyte unit
557	CKM_CKB_LOW_RANGE	Char	5	Low range for analyte
558	CKM_CKB_HIGH_RANGE	Char	5	High range for analyte
559	CKM_CKB_LDD	Num	8	LDD (Least Detectable Dose) for analyte
560	CKM_CKB_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
561	CXCL5_UNIT	Char	5	Analyte unit
562	CXCL5_LOW_RANGE	Char	5	Low range for analyte
563	CXCL5_HIGH_RANGE	Char	5	High range for analyte
564	CXCL5_LDD	Num	8	LDD (Least Detectable Dose) for analyte
565	CXCL5_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
566	DCN_UNIT	Char	5	Analyte unit
567	DCN_LOW_RANGE	Char	5	Low range for analyte
568	DCN_HIGH_RANGE	Char	5	High range for analyte
569	DCN_LDD	Num	8	LDD (Least Detectable Dose) for analyte
570	DCN_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
571	FABP3_UNIT	Char	5	Analyte unit
572	FABP3_LOW_RANGE	Char	5	Low range for analyte
573	FABP3_HIGH_RANGE	Char	5	High range for analyte
574	FABP3_LDD	Num	8	LDD (Least Detectable Dose) for analyte
575	FABP3_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
576	FAS_UNIT	Char	5	Analyte unit
577	FAS_LOW_RANGE	Char	5	Low range for analyte
578	FAS_HIGH_RANGE	Char	5	High range for analyte

Num	Variable	Type	Len	Label
579	FAS_LDD	Num	8	LDD (Least Detectable Dose) for analyte
580	FAS_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
581	HGF_UNIT	Char	5	Analyte unit
582	HGF_LOW_RANGE	Char	5	Low range for analyte
583	HGF_HIGH_RANGE	Char	5	High range for analyte
584	HGF_LDD	Num	8	LDD (Least Detectable Dose) for analyte
585	HGF_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
586	IGE_UNIT	Char	4	Analyte unit
587	IGE_LOW_RANGE	Char	4	Low range for analyte
588	IGE_HIGH_RANGE	Char	4	High range for analyte
589	IGE_LDD	Num	8	LDD (Least Detectable Dose) for analyte
590	IGE_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
591	IL13_UNIT	Char	5	Analyte unit
592	IL13_LOW_RANGE	Char	5	Low range for analyte
593	IL13_HIGH_RANGE	Char	5	High range for analyte
594	IL13_LDD	Num	8	LDD (Least Detectable Dose) for analyte
595	IL13_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
596	IL16_UNIT	Char	5	Analyte unit
597	IL16_LOW_RANGE	Char	5	Low range for analyte
598	IL16_HIGH_RANGE	Char	5	High range for analyte
599	IL16_LDD	Num	8	LDD (Least Detectable Dose) for analyte
600	IL16_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
601	IL18BP_UNIT	Char	5	Analyte unit
602	IL18BP_LOW_RANGE	Char	5	Low range for analyte
603	IL18BP_HIGH_RANGE	Char	5	High range for analyte
604	IL18BP_LDD	Num	8	LDD (Least Detectable Dose) for analyte
605	IL18BP_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
606	KLK3_F_UNIT	Char	6	Analyte unit
607	KLK3_F_LOW_RANGE	Char	6	Low range for analyte
608	KLK3_F_HIGH_RANGE	Char	6	High range for analyte
609	KLK3_F_LDD	Num	8	LDD (Least Detectable Dose) for analyte
610	KLK3_F_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
611	MDK_UNIT	Char	5	Analyte unit
612	MDK_LOW_RANGE	Char	5	Low range for analyte
613	MDK_HIGH_RANGE	Char	5	High range for analyte
614	MDK_LDD	Num	8	LDD (Least Detectable Dose) for analyte
615	MDK_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
616	NPPB_PH_UNIT	Char	5	Analyte unit
617	NPPB_PH_LOW_RANGE	Char	5	Low range for analyte

Num	Variable	Type	Len	Label
618	NPPB_PH_HIGH_RANGE	Char	5	High range for analyte
619	NPPB_PH_LDD	Num	8	LDD (Least Detectable Dose) for analyte
620	NPPB_PH_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
621	OLR1_UNIT	Char	5	Analyte unit
622	OLR1_LOW_RANGE	Char	5	Low range for analyte
623	OLR1_HIGH_RANGE	Char	5	High range for analyte
624	OLR1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
625	OLR1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
626	PECAM1_UNIT	Char	5	Analyte unit
627	PECAM1_LOW_RANGE	Char	5	Low range for analyte
628	PECAM1_HIGH_RANGE	Char	5	High range for analyte
629	PECAM1_LDD	Num	8	LDD (Least Detectable Dose) for analyte
630	PECAM1_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
631	SFTPD_UNIT	Char	5	Analyte unit
632	SFTPD_LOW_RANGE	Char	5	Low range for analyte
633	SFTPD_HIGH_RANGE	Char	5	High range for analyte
634	SFTPD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
635	SFTPD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
636	THBD_UNIT	Char	5	Analyte unit
637	THBD_LOW_RANGE	Char	5	Low range for analyte
638	THBD_HIGH_RANGE	Char	5	High range for analyte
639	THBD_LDD	Num	8	LDD (Least Detectable Dose) for analyte
640	THBD_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
641	TNFRSF10C_UNIT	Char	5	Analyte unit
642	TNFRSF10C_LOW_RANGE	Char	5	Low range for analyte
643	TNFRSF10C_HIGH_RANGE	Char	5	High range for analyte
644	TNFRSF10C_LDD	Num	8	LDD (Least Detectable Dose) for analyte
645	TNFRSF10C_LLOQ	Num	8	Lower Limited of Quantitation (LLOQ) for analyte
646	ANGPT1	Num	8	Angiopoietin 1 (ANGPT1)
647	AXL	Num	8	AXL Receptor Tyrosine Kinase (AXL)
648	CA9	Num	8	Carbonic anhydrase IX (CA9)
649	CCL16	Num	8	Chemokine (C-C motif) ligand 16 (CCL16)
650	CCL22	Num	8	chemokine (C-C motif) ligand 22 (CCL22)
651	CDH13	Num	8	Cadherin 13, H-cadherin (heart) (CDH13)
652	CEACAM1	Num	8	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
653	CKM_CKB	Num	8	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
654	CXCL5	Num	8	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
655	DCN	Num	8	Decorin (DCN)

Num	Variable	Type	Len	Label
656	FABP3	Num	8	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)
657	FAS	Num	8	Fas cell surface death receptor (FAS)
658	HGF	Num	8	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
659	IGE	Num	8	Immunoglobulin E (IgE)
660	IL13	Num	8	Interleukin 13 (IL13)
661	IL16	Num	8	Interleukin 16 (IL16)
662	IL18BP	Num	8	Interleukin 18 binding protein (IL18BP)
663	KLK3_F	Num	8	Kallikrein-related peptidase 3 (free) (PSAF)
664	MDK	Num	8	Midkine (neurite growth-promoting factor 2) (MDK)
665	NPPB_PH	Num	8	Natriuretic peptide (NPPB; N-terminal prohormone)
666	OLR1	Num	8	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
667	PECAM1	Num	8	Platelet endothelial cell adhesion molecule (PECAM1)
668	SFTPD	Num	8	Surfactant protein D (SFTPD)
669	THBD	Num	8	Thrombomodulin (THBD)
670	TNFRSF10C	Num	8	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
671	ADIPOQ_RAW	Char	5	Adiponectin, C1Q and collagen domain containing (ADIPOQ)
672	SERPINA1_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin) (SERPINA1)
673	A2M_RAW	Char	5	Alpha-2-Macroglobulin (A2M)
674	SLPI_RAW	Char	5	Secretory leukocyte peptidase inhibitor (SLPI)
675	LPA_RAW	Char	5	Lipoprotein, (Lp(a) (LPA)
676	B2M_RAW	Char	5	Beta-2-microglobulin (B2M)
677	BDNF_RAW	Char	5	Brain-derived neurotrophic factor (BDNF)
678	CRP_RAW	Char	5	C-reactive protein, pentraxin-related (CRP)
679	CDH1_RAW	Char	5	Cadherin, type 1, E-cadherin (epithelial) (CDH1)
680	CHGA_RAW	Char	5	Chromogranin A (parathyroid secretory protein 1) (CHGA)
681	C3_RAW	Char	6	Complement component C3 (C3)
682	CSTB_RAW	Char	5	Cystatin B (stefin B) (CSTB)
683	SELE_RAW	Char	5	Selectin E (SELE)
684	S100A12_RAW	Char	5	S100 calcium binding protein A12 (ENRAGE)
685	CCL11_RAW	Char	5	Chemokine (C-C motif) ligand 11 (eotaxin-1) (CCL11)
686	CCL24_RAW	Char	5	Chemokine (C-C motif) ligand 24 (CCL24)
687	F7_RAW	Char	5	Coagulation factor VII (serum prothrombin conversion accelerator) (F7)
688	FTL_FTH1_RAW	Char	5	Ferritin [FT(L/H1)]
689	FGA_FGB_FGG_RAW	Char	6	Fibrinogen (trimer; alpha chain, beta chain, gamma chain) [FG(A/B/G)]
690	CSF2_RAW	Char	5	Colony stimulating factor 2 (granulocyte-macrophage) (CSF2)
691	CXCL1_RAW	Char	5	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
692	HP_RAW	Char	5	Haptoglobin (HP)

Num	Variable	Type	Len	Label
693	IGA_RAW	Char	5	Immunoglobulin A (IgA)
694	IGM_RAW	Char	5	Immunoglobulin M
695	ICAM1_RAW	Char	5	Intercellular Adhesion Molecule 1 (ICAM1)
696	IFNG_RAW	Char	5	Interferon, gamma (IFNG)
697	CXCL10_RAW	Char	5	Chemokine (C-X-C motif) ligand 10 (CXCL10)
698	IL1A_RAW	Char	7	Interleukin 1, alpha (IL1A)
699	IL1B_RAW	Char	5	Interleukin 1, beta (IL1B)
700	IL1RN_RAW	Char	5	Interleukin 1 receptor antagonist (IL1RN)
701	IL2_RAW	Char	5	Interleukin 2 (IL2)
702	IL2RA_RAW	Char	5	Interleukin 2 receptor, alpha (IL2RA)
703	IL3_RAW	Char	6	Interleukin 3 (IL3)
704	IL4_RAW	Char	5	Interleukin 4 (IL4)
705	IL5_RAW	Char	5	Interleukin 5 (colony stimulating factor, eosinophil) (IL5)
706	IL6_RAW	Char	5	Interleukin 6 (interferon, beta 2) (IL6)
707	IL6R_RAW	Char	5	Interleukin-6 receptor (IL6R)
708	IL7_RAW	Char	5	Interleukin 7 (IL7)
709	IL8_RAW	Char	5	Interleukin 8 (IL8)
710	IL10_RAW	Char	5	Interleukin 10 (IL10)
711	IL12B_RAW	Char	5	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) (IL12B)
712	IL12A_IL12B_RAW	Char	5	Interleukin12 subunit p70 (IL12A/IL12B heterodimer)
713	IL15_RAW	Char	5	Interleukin 15 (IL15)
714	IL17A_RAW	Char	5	Interleukin 17 (IL17A)
715	IL18_RAW	Char	5	Interleukin 18 (interferon-gamma-inducing factor) (IL18)
716	IL23A_RAW	Char	5	Interleukin 23, alpha subunit p19 (IL23A)
717	LTF_RAW	Char	5	Lactotransferrin
718	TGFB1_LAP_RAW	Char	5	Transforming growth factor, beta 1 (TGFB1; latency associated peptide)
719	CCL3_RAW	Char	5	Chemokine (C-C motif) ligand 3 (CCL3)
720	CCL4_RAW	Char	5	Chemokine (C-C motif) ligand 4 (CCL4)
721	CCL20_RAW	Char	5	Chemokine (C-C motif) ligand 20 (CCL20)
722	KIT_RAW	Char	5	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)
723	MMP3_RAW	Char	5	Matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)
724	MMP9_RAW	Char	5	Matrix Metalloproteinase 9 (gelatinase B, 92kDA type IV collagenase) (MMP9)
725	CCL2_RAW	Char	5	Chemokine (C-C motif) ligand 2 (CCL2)
726	CCL8_RAW	Char	5	Chemokine (C-C motif) ligand 8 (CCL8)
727	CCL13_RAW	Char	5	Chemokine (C-C motif) ligand 13 (CCL13)
728	CXCL9_RAW	Char	5	Chemokine (C-X-C motif) ligand 9 (CXCL9)
729	CCL23_RAW	Char	5	Chemokine (C-C motif) ligand 23 (CCL23)
730	MB_RAW	Char	5	Myoglobin (MB)

Num	Variable	Type	Len	Label
731	NGF_RAW	Char	5	Nerve growth gactor (beta polypeptide) (NGF)
732	NRCAM_RAW	Char	5	Neuronal Cell Adhesion Molecule (NRCAM)
733	TNFRSF11B_RAW	Char	4	Tumor necrosis factor receptor superfamily, member 11b (TNFRSF11B)
734	SPINK1_RAW	Char	5	Serine peptidase inhibitor, Kazal type 1 (SPINK1)
735	SERPINE1_RAW	Char	5	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1 type 1), member 1 (SERPINE1)
736	CCL18_RAW	Char	5	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
737	AGER_RAW	Char	5	Advanced glycosylation end product-specific receptor (AGER)
738	S100B_RAW	Char	5	S100 calcium binding protein B (S100B)
739	APCS_RAW	Char	5	Amyloid P-component, serum (APCS)
740	SHBG_RAW	Char	6	Sex Hormone-Binding Globulin (SHBG)
741	SORT1_RAW	Char	5	Sortilin 1 (SORT1)
742	KITLG_RAW	Char	5	KIT ligand (KITLG)
743	SOD1_RAW	Char	5	Superoxide Dismutase 1, soluble (SOD1)
744	CCL5_RAW	Char	5	chemokine (C-C motif) ligand 5 (CCL5)
745	SERPINA7_RAW	Char	5	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7)
746	TIMP1_RAW	Char	5	TIMP metallopeptidase inhibitor 1 (TIMP1)
747	TIMP2_RAW	Char	5	TIMP metallopeptidase inhibitor 2 (TIMP2)
748	TNF_RAW	Char	5	Tumor necrosis factor (TNF)
749	LTA_RAW	Char	5	Lymphotoxin alpha (LTA)
750	TNFRSF1A_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A)
751	TNFRSF1B_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B)
752	VCAM1_RAW	Char	5	Vascular cell adhesion molecule 1 (VCAM1)
753	VEGFA_RAW	Char	5	Vascular endothelial growth factor (VEGFA)
754	GC_RAW	Char	5	Group-specific component (vitamin D binding protein) (GC)
755	VTN_RAW	Char	5	Vitronectin
756	VWF_RAW	Char	5	von Willebrand Factor (vWF)
757	ANGPT1_RAW	Char	5	Angiopoietin 1 (ANGPT1)
758	AXL_RAW	Char	5	AXL Receptor Tyrosine Kinase (AXL)
759	CDH13_RAW	Char	5	Cadherin 13, H-cadherin (heart) (CDH13)
760	CA9_RAW	Char	5	Carbonic anhydrase IX (CA9)
761	CEACAM1_RAW	Char	5	Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1)
762	CCL16_RAW	Char	5	Chemokine (C-C motif) ligand 16 (CCL16)
763	CKM_CKB_RAW	Char	5	Creatine kinase, muscle; Creatine kinase, brain (heterodimer) [CK(M/B)]
764	DCN_RAW	Char	5	Decorin (DCN)
765	CXCL5_RAW	Char	5	chemokine (C-X-C motif) ligand 5 chemokine 5 (CXCL5)
766	FAS_RAW	Char	5	Fas cell surface death receptor (FAS)
767	FABP3_RAW	Char	5	Fatty acid-binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)

Num	Variable	Type	Len	Label
768	HGF_RAW	Char	5	Hepatocyte growth factor (hepapoietin A; scatter factor) (HGF)
769	IGE_RAW	Char	5	Immunoglobulin E (IgE)
770	IL13_RAW	Char	5	Interleukin 13 (IL13)
771	IL16_RAW	Char	5	Interleukin 16 (IL16)
772	IL18BP_RAW	Char	5	Interleukin 18 binding protein (IL18BP)
773	OLR1_RAW	Char	5	Oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1)
774	CCL22_RAW	Char	5	chemokine (C-C motif) ligand 22 (CCL22)
775	MDK_RAW	Char	5	Midkine (neurite growth-promoting factor 2) (MDK)
776	NPPB_PH_RAW	Char	5	Natriuretic peptide (NPPB; N-terminal prohormone)
777	PECAM1_RAW	Char	5	Platelet endothelial cell adhesion molecule (PECAM1)
778	KLK3_F_RAW	Char	6	Kallikrein-related peptidase 3 (free) (PSAF)
779	SFTPD_RAW	Char	5	Surfactant protein D (SFTPD)
780	THBD_RAW	Char	5	Thrombomodulin (THBD)
781	TNFRSF10C_RAW	Char	5	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C)
782	A2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
783	ADIPOQ_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
784	AGER_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
785	ANGPT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
786	APCS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
787	AXL_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
788	B2M_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
789	BDNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
790	C3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
791	CA9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
792	CCL11_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
793	CCL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
794	CCL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
795	CCL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
796	CCL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
797	CCL20_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
798	CCL22_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
799	CCL23_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
800	CCL24_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
801	CCL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
802	CCL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
803	CCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
804	CCL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
805	CDH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
806	CDH13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
807	CEACAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
808	CHGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
809	CKM_CKB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
810	CRP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
811	CSF2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
812	CSTB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
813	CXCL1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
814	CXCL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
815	CXCL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
816	CXCL9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
817	DCN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
818	F7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
819	FABP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
820	FAS_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
821	FGA_FGB_FGG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
822	FTL_FTH1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
823	GC_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
824	HGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
825	HP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
826	ICAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
827	IFNG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
828	IGA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
829	IGE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
830	IGM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
831	IL10_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
832	IL12A_IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
833	IL12B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
834	IL13_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
835	IL15_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
836	IL16_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
837	IL17A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
838	IL18_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
839	IL18BP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
840	IL1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
841	IL1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
842	IL1RN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
843	IL2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
844	IL23A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
845	IL2RA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
846	IL3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
847	IL4_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
848	IL5_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
849	IL6_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
850	IL6R_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
851	IL7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
852	IL8_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
853	KIT_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
854	KITLG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
855	KLK3_F_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
856	LPA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
857	LTA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
858	LTF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
859	MB_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
860	MDK_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
861	MMP3_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
862	MMP9_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
863	NGF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
864	NPPB_PH_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
865	NRCAM_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
866	OLR1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
867	PECAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
868	S100A12_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
869	S100B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
870	SELE_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
871	SERPINA1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
872	SERPINA7_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
873	SERPINE1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
874	SFTPD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
875	SHBG_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
876	SLPI_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
877	SOD1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
878	SORT1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
879	SPINK1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
880	TGFB1_LAP_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
881	THBD_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
882	TIMP1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
883	TIMP2_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)

Num	Variable	Type	Len	Label
884	TNF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
885	TNFRSF10C_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
886	TNFRSF11B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
887	TNFRSF1A_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
888	TNFRSF1B_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
889	VCAM1_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
890	VEGFA_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
891	VTN_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
892	VWF_IMPUTE_FLAG	Num	8	Type of imputation applied to analyte (if any)
893	A2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
894	ADIPOQ_OUTLIER	Num	8	Flag of potential outlier values for analyte
895	AGER_OUTLIER	Num	8	Flag of potential outlier values for analyte
896	ANGPT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
897	APCS_OUTLIER	Num	8	Flag of potential outlier values for analyte
898	AXL_OUTLIER	Num	8	Flag of potential outlier values for analyte
899	B2M_OUTLIER	Num	8	Flag of potential outlier values for analyte
900	BDNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
901	C3_OUTLIER	Num	8	Flag of potential outlier values for analyte
902	CA9_OUTLIER	Num	8	Flag of potential outlier values for analyte
903	CCL11_OUTLIER	Num	8	Flag of potential outlier values for analyte
904	CCL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
905	CCL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
906	CCL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
907	CCL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
908	CCL20_OUTLIER	Num	8	Flag of potential outlier values for analyte
909	CCL22_OUTLIER	Num	8	Flag of potential outlier values for analyte
910	CCL23_OUTLIER	Num	8	Flag of potential outlier values for analyte
911	CCL24_OUTLIER	Num	8	Flag of potential outlier values for analyte
912	CCL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
913	CCL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
914	CCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
915	CCL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
916	CDH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
917	CDH13_OUTLIER	Num	8	Flag of potential outlier values for analyte
918	CEACAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
919	CHGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
920	CKM_CKB_OUTLIER	Num	8	Flag of potential outlier values for analyte
921	CRP_OUTLIER	Num	8	Flag of potential outlier values for analyte
922	CSF2_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
923	CSTB_OUTLIER	Num	8	Flag of potential outlier values for analyte
924	CXCL1_OUTLIER	Num	8	Flag of potential outlier values for analyte
925	CXCL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
926	CXCL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
927	CXCL9_OUTLIER	Num	8	Flag of potential outlier values for analyte
928	DCN_OUTLIER	Num	8	Flag of potential outlier values for analyte
929	F7_OUTLIER	Num	8	Flag of potential outlier values for analyte
930	FABP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
931	FAS_OUTLIER	Num	8	Flag of potential outlier values for analyte
932	FGA_FGB_FGG_OUTLIER	Num	8	Flag of potential outlier values for analyte
933	FTL_FTH1_OUTLIER	Num	8	Flag of potential outlier values for analyte
934	GC_OUTLIER	Num	8	Flag of potential outlier values for analyte
935	HGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
936	HP_OUTLIER	Num	8	Flag of potential outlier values for analyte
937	ICAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
938	IFNG_OUTLIER	Num	8	Flag of potential outlier values for analyte
939	IGA_OUTLIER	Num	8	Flag of potential outlier values for analyte
940	IGE_OUTLIER	Num	8	Flag of potential outlier values for analyte
941	IGM_OUTLIER	Num	8	Flag of potential outlier values for analyte
942	IL10_OUTLIER	Num	8	Flag of potential outlier values for analyte
943	IL12A_IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
944	IL12B_OUTLIER	Num	8	Flag of potential outlier values for analyte
945	IL13_OUTLIER	Num	8	Flag of potential outlier values for analyte
946	IL15_OUTLIER	Num	8	Flag of potential outlier values for analyte
947	IL16_OUTLIER	Num	8	Flag of potential outlier values for analyte
948	IL17A_OUTLIER	Num	8	Flag of potential outlier values for analyte
949	IL18_OUTLIER	Num	8	Flag of potential outlier values for analyte
950	IL18BP_OUTLIER	Num	8	Flag of potential outlier values for analyte
951	IL1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
952	IL1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
953	IL1RN_OUTLIER	Num	8	Flag of potential outlier values for analyte
954	IL2_OUTLIER	Num	8	Flag of potential outlier values for analyte
955	IL23A_OUTLIER	Num	8	Flag of potential outlier values for analyte
956	IL2RA_OUTLIER	Num	8	Flag of potential outlier values for analyte
957	IL3_OUTLIER	Num	8	Flag of potential outlier values for analyte
958	IL4_OUTLIER	Num	8	Flag of potential outlier values for analyte
959	IL5_OUTLIER	Num	8	Flag of potential outlier values for analyte
960	IL6_OUTLIER	Num	8	Flag of potential outlier values for analyte
961	IL6R_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
962	IL7_OUTLIER	Num	8	Flag of potential outlier values for analyte
963	IL8_OUTLIER	Num	8	Flag of potential outlier values for analyte
964	KIT_OUTLIER	Num	8	Flag of potential outlier values for analyte
965	KITLG_OUTLIER	Num	8	Flag of potential outlier values for analyte
966	KLK3_F_OUTLIER	Num	8	Flag of potential outlier values for analyte
967	LPA_OUTLIER	Num	8	Flag of potential outlier values for analyte
968	LTA_OUTLIER	Num	8	Flag of potential outlier values for analyte
969	LTF_OUTLIER	Num	8	Flag of potential outlier values for analyte
970	MB_OUTLIER	Num	8	Flag of potential outlier values for analyte
971	MDK_OUTLIER	Num	8	Flag of potential outlier values for analyte
972	MMP3_OUTLIER	Num	8	Flag of potential outlier values for analyte
973	MMP9_OUTLIER	Num	8	Flag of potential outlier values for analyte
974	NGF_OUTLIER	Num	8	Flag of potential outlier values for analyte
975	NPPB_PH_OUTLIER	Num	8	Flag of potential outlier values for analyte
976	NRCAM_OUTLIER	Num	8	Flag of potential outlier values for analyte
977	OLR1_OUTLIER	Num	8	Flag of potential outlier values for analyte
978	PECAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte
979	S100A12_OUTLIER	Num	8	Flag of potential outlier values for analyte
980	S100B_OUTLIER	Num	8	Flag of potential outlier values for analyte
981	SELE_OUTLIER	Num	8	Flag of potential outlier values for analyte
982	SERPINA1_OUTLIER	Num	8	Flag of potential outlier values for analyte
983	SERPINA7_OUTLIER	Num	8	Flag of potential outlier values for analyte
984	SERPINE1_OUTLIER	Num	8	Flag of potential outlier values for analyte
985	SFTPD_OUTLIER	Num	8	Flag of potential outlier values for analyte
986	SHBG_OUTLIER	Num	8	Flag of potential outlier values for analyte
987	SLPI_OUTLIER	Num	8	Flag of potential outlier values for analyte
988	SOD1_OUTLIER	Num	8	Flag of potential outlier values for analyte
989	SORT1_OUTLIER	Num	8	Flag of potential outlier values for analyte
990	SPINK1_OUTLIER	Num	8	Flag of potential outlier values for analyte
991	TGFB1_LAP_OUTLIER	Num	8	Flag of potential outlier values for analyte
992	THBD_OUTLIER	Num	8	Flag of potential outlier values for analyte
993	TIMP1_OUTLIER	Num	8	Flag of potential outlier values for analyte
994	TIMP2_OUTLIER	Num	8	Flag of potential outlier values for analyte
995	TNF_OUTLIER	Num	8	Flag of potential outlier values for analyte
996	TNFRSF10C_OUTLIER	Num	8	Flag of potential outlier values for analyte
997	TNFRSF11B_OUTLIER	Num	8	Flag of potential outlier values for analyte
998	TNFRSF1A_OUTLIER	Num	8	Flag of potential outlier values for analyte
999	TNFRSF1B_OUTLIER	Num	8	Flag of potential outlier values for analyte
1000	VCAM1_OUTLIER	Num	8	Flag of potential outlier values for analyte

Num	Variable	Type	Len	Label
1001	VEGFA_OUTLIER	Num	8	Flag of potential outlier values for analyte
1002	VTN_OUTLIER	Num	8	Flag of potential outlier values for analyte
1003	VWF_OUTLIER	Num	8	Flag of potential outlier values for analyte