

*Data Set Name: dx\_assoc\_family\_members\_enrolled.sas7bdat*

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	Enrollment_Category	Char	25	Enrollment Category
2	Family_Dx	Char	10	Family Dx
3	Family_ID	Num	8	Family ID
4	deid	Char	6	Random ID

*Data Set Name: gentac\_family\_file.sas7bdat*

Num	Variable	Type	Len	Label
1	Family_ID	Num	8	Family ID
2	Relation	Char	20	Relation
3	deid	Char	6	Random ID
4	family_member_deid	Char	6	Family Member (Random ID)

**Data Set Name: gentac\_ict.sas7bdat**

Num	Variable	Type	Len	Label
1	adjacency_flag	Num	8	First/Second indicator for images taken within two days of each other (0 = NA, 1 = First, 2 = Second)
2	deid	Char	25	De-identified BioLINCC subject ID
3	procdate_months	Num	8	Number of months after enrollment that the image was taken
4	Age	Num	8	Age at procedure
5	ProcYear	Num	8	Procedure year
6	Height	Num	8	Height (cm)
7	Height_NE	Num	8	height not evaluated (NE)
8	Type_Non_contrast	Num	8	Type of exam - Non contrast (CT & MRI)
9	Weight	Num	8	Weight (kg)
10	Weight_NE	Num	8	Weight NE
11	Type_Contrast	Num	8	Type of exam - Contrast
12	BSA	Num	8	BSA
13	Type_Gated	Num	8	Type of exam - Gated (CT & MRI)
14	AV_Annulus_1_min	Num	8	AV annulus MIN (cm)
15	AV_Annulus_1	Num	8	AV annulus MAX (cm)
16	AV_Annulus_1_area	Num	8	AV annulus area (cm2)
17	AVANNULUS_1_dis_graft	Char	12	AV annulus DISSECTION/GRAFT
18	AV_Annulus_1_NE	Num	8	AV annulus NE
19	AVAnnulus_1_FL_Thrombus	Char	9	AV Annulus false lumen thrombus
20	AVAnnulus_1_fl_Diameter	Num	8	AV Annulus FL diameter
21	AVAnnulus_1_FL_area	Num	8	AV Annulus FL area (cm2)
22	Sinus_Valsalva_2_NE	Num	8	Sinus of Valsalva NE
23	Sinus_Valsalva_2_min	Num	8	Sinus of Valsalva MIN (cm)
24	Sinus_Valsalva_2	Num	8	Sinus of Valsalva MAX (cm)
25	Sinus_Valsalva_2_area	Num	8	Sinus of Valsalva area (cm2)
26	Sinus_Valsalva_2_Dis_Graft	Char	12	Sinus of Valsalva DISSECTION/GRAFT
27	Sinus_Valsalva_2_FL_Thrombus	Char	9	Sinus of Valsalva false lumen thrombus
28	Sinus_Valsalva_2_FL_Diameter	Num	8	Sinus of Valsalva FL diameter
29	Sinus_Valsalva_2_FL_Area	Num	8	Sinus of Valsalva FL area (cm2)
30	STJ_3_NE	Num	8	Sino-tubular junction NE
31	STJ_3_min	Num	8	Sino-tubular junction MIN (cm)
32	STJ_3	Num	8	Sino-tubular junction MAX (cm)
33	STJ_3_area	Num	8	Sino-tubular junction area (cm2)
34	STJ_3_Dis_Graft	Char	12	Sino-tubular junction DISSECTION/GRAFT
35	STJ_3_FL_Thrombus	Char	9	Sino-tubular junction false lumen thrombus
36	STJ_3_FL_Diameter	Num	8	Sino-tubular junction FL diameter

Num	Variable	Type	Len	Label
37	STJ_3_FL_Area	Num	8	Sino-tubular junction FL area (cm2)
38	Asc_Aorta_PA_min	Num	8	Ascending aorta (PA) MIN (cm)
39	Asc_Aorta_PA_max	Num	8	Ascending aorta (PA) MAX (cm)
40	Asc_Aorta_PA_area	Num	8	Ascending aorta (PA) area (cm2)
41	Asc_Aorta_PA_Dis_Graft	Char	12	Ascending aorta(PA) DISSECTION/GRAFT
42	Asc_Aorta_PA_NE	Num	8	Ascending aorta (PA) NE
43	Asc_Aorta_PA_FL_Thrombus	Char	9	Ascending aorta (PA) false lumen thrombus
44	Asc_Aorta_PA_FL_Diameter	Num	8	Ascending aorta (PA) FL diameter
45	Asc_Aorta_PA_FL_Area	Num	8	Ascending aorta (PA) FL area (cm2)
46	Asc_Aorta_4_min	Num	8	Ascending aorta (largest) MIN (cm)
47	Asc_Aorta_4	Num	8	Ascending aorta (largest) MAX (cm)
48	Asc_Aorta_4_area	Num	8	Ascending aorta (largest) area (cm2)
49	Asc_Aorta_4_Dis_Graft	Char	12	Ascending aorta(largest) DISSECTION/GRAFT
50	Asc_Aorta_4_NE	Num	8	Ascending aorta (largest) NE
51	Asc_Aorta_4_FL_Thrombus	Char	9	Ascending aorta (largest) false lumen thrombus
52	Asc_Aorta_4_FL_Diameter	Num	8	Ascending aorta (largest) FL diameter
53	Asc_Aorta_4_FL_Area	Num	8	Ascending aorta (largest) FL area (cm2)
54	Proximal_Arch_NE	Num	8	Proximal arch NE
55	ProximalArch_min	Num	8	Proximal arch MIN (cm)
56	ProximalArch_max	Num	8	Proximal arch MAX (cm)
57	ProximalArch_area	Num	8	Proximal arch area (cm2)
58	ProximalArch_Dis_Graft	Char	12	Proximal arch DISSECTION/GRAFT
59	ProximalArch_FL_Thrombus	Char	9	Proximal arch false lumen thrombus
60	ProximalArch_FL_Diameter	Num	8	Proximal arch FL diameter
61	ProximalArch_FL_Area	Num	8	Proximal arch FL area (cm2)
62	Transverse_arch_5_NE	Num	8	Transverse arch NE
63	Transverse_Arch_5_min	Num	8	Transverse arch MIN (cm)
64	Transverse_Arch_5	Num	8	Transverse arch MAX (cm)
65	Transverse_Arch_5_area	Num	8	Transverse arch area (cm2)
66	Transverse_Arch_5_Dis_Graft	Char	12	Transverse arch DISSECTION/GRAFT
67	Transverse_Arch_5_FL_Area	Num	8	Transverse arch FL area (cm2)
68	Transverse_Arch_5_FL_Thrombus	Char	9	Transverse arch false lumen thrombus
69	Transverse_Arch_5_FL_Diameter	Num	8	Transverse arch FL diameter
70	Isthmus_6_min	Num	8	Isthmus MIN (cm)
71	Isthmus_6	Num	8	Isthmus MAX (cm)
72	Isthmus_6_area	Num	8	Isthmus area (cm2)
73	Isthmus_6_Dis_Graft	Char	12	Isthmus DISSECTION/GRAFT
74	Isthmus_6_NE	Num	8	Isthmus NE
75	Isthmus_6_FL_Thrombus	Char	9	Isthmus false lumen thrombus

Num	Variable	Type	Len	Label
76	Isthmus_6_FL_Diameter	Num	8	Isthmus FL diameter
77	Isthmus_6_FL_Area	Num	8	Isthmus FL area (cm2)
78	Mid_desc_thoracic_ao_7_min	Num	8	Mid-descending thoracic aorta MIN (cm)
79	Mid_desc_thoracic_ao_7	Num	8	Mid-descending thoracic aorta MAX (cm)
80	Mid_desc_thoracic_ao_7_NE	Num	8	Mid-descending thoracic aorta NE
81	Mid_desc_thoracic_ao_7_area	Num	8	Mid-descending thoracic aorta area (cm2)
82	Mid_desc_thor_ao_7_dis_graft	Char	12	Mid-descending thoracic aorta DISSECTION/GRAFT
83	Mid_desc_thor_ao_7_FL_Thrombus	Char	9	Mid-descending thoracic aorta false lumen thrombus
84	Mid_desc_thor_ao_7_FL_Diameter	Num	8	Mid-descending thoracic aorta FL diameter
85	Mid_desc_thor_ao_7_FL_Area	Num	8	Mid-descending thoracic aorta FL area (cm2)
86	Thoracoabdominal_aorta_9_min	Num	8	Thoracoabdominal aorta MIN (cm)
87	Thoracoabdominal_aorta_9	Num	8	Thoracoabdominal aorta MAX (cm)
88	Thoracoabdominal_aorta_9_area	Num	8	Thoracoabdominal aorta area (cm2)
89	Thoracoabdo_aorta_9_dis_graft	Char	12	Thoracoabdominal aorta DISSECTION/GRAFT
90	Thoracoabdominal_aorta_9_NE	Num	8	Thoracoabdominal aorta NE
91	Thoracoabdo_aorta_9_FL_Thrombu	Char	9	Thoracoabdominal aorta false lumen thrombus
92	Thoracoabdo_aorta_9_FL_Diamete	Num	8	Thoracoabdominal aorta FL diameter
93	Thoracoabdo_aorta_9_FL_Area	Num	8	Thoracoabdominal aorta FL area (cm2)
94	Suprarenal_abd_ao_10_dis_graft	Char	12	Suprarenal abdominal aorta DISSECTION/GRAFT
95	Suprarenal_abd_ao_10_FL_Thromb	Char	9	Suprarenal abdominal aorta false lumen thrombus
96	Suprarenal_abd_ao_10_FL_Diamet	Num	8	Suprarenal abdominal aorta area (cm2)
97	Suprarenal_abd_ao_10_FL_Area	Num	8	Suprarenal abdominal aorta DISSECTION/GRAFT
98	Suprarenal_abd_aorta_10_min	Num	8	Suprarenal abdominal aorta false lumen thrombus
99	Suprarenal_abd_aorta_10	Num	8	Suprarenal abdominal aorta FL diameter
100	Suprarenal_abd_aorta_10_area	Num	8	Suprarenal abdominal aorta FL area (cm2)
101	Suprarenal_abd_aorta_10_NE	Num	8	Suprarenal abdominal aorta NE
102	Infrarenal_ao_12_min	Num	8	Infrarenal aorta MIN (cm)
103	Infrarenal_ao_12	Num	8	Infrarenal aorta MAX (cm)
104	Infrarenal_ao_12_area	Num	8	Infrarenal aorta area (cm2)
105	Infrarenal_ao_12_dis_graft	Char	12	Infrarenal aorta DISSECTION/GRAFT
106	Infrarenal_ao_12_FL_Thrombus	Char	9	Infrarenal aorta false lumen thrombus
107	Infrarenal_ao_12_FL_Diameter	Num	8	Infrarenal aorta FL diameter
108	Infrarenal_ao_12_FL_Area	Num	8	Infrarenal aorta FL area (cm2)
109	Infrarenal_ao_12_NE	Num	8	Infrarenal aorta NE
110	Main_Pul_A_diameter	Num	8	Main pulmonary artery diameter (cm)
111	Main_Pul_A_diameter_NE	Num	8	Main pulmonary artery diameter NE
112	Rt_sided_aortic_arch	Char	3	Right sided aortic arch
113	Right_Pul_A_diameter	Num	8	Right pulmonary artery diameter (cm)
114	Right_Pul_A_diameter_NE	Num	8	Right pulmonary artery diameter NE

Num	Variable	Type	Len	Label
115	Ao_coarctation	Char	3	Aortic coarctation
116	Left_Pul_A_diameter	Num	8	Left pulmonary artery diameter (CM)
117	Left_Pul_A_diameter_NE	Num	8	Left pulmonary artery diameter NE
118	PDA	Char	3	Patent ductus arteriosus
119	Other_cardiac_anomaly_1_Y_N	Char	3	Other cardiac #1 YES/NO
120	Other_cardiac_anomaly_2_Y_N	Char	3	Other cardiac #2 YES/NO
121	Aneurysm_Renal_6	Char	3	Aneurysm located outside the aorta, Renal
122	Aneurysm_Carotid_2	Char	3	Aneurysm located outside the aorta, Carotid
123	Aneurysm_Subclavian_3	Char	3	Aneurysm located outside the aorta, Subclavian
124	Aneurysm_Vertebral_4	Char	3	Aneurysm located outside the aorta, vertebral
125	Aneurysm_Iliac_5	Char	3	Aneurysm located outside the aorta, Iliac
126	Aneurysm_Femoral_11	Char	3	Aneurysm located outside the aorta, Femoral
127	Aneurysm_superior_mesenteric_8	Char	3	Aneurysm located outside the aorta, Superior mesenteric
128	Aneurysm_Inferior_mesenteric_9	Char	3	Aneurysm located outside the aorta, Inferior mesenteric
129	Other_aneurysm	Char	15	Aneurysm located outside the aorta Carotid
130	Dissection_Carotid_2	Char	3	Dissection located outside the aorta, Carotid
131	Dissection_Vertebral_4	Char	3	Dissection located outside the aorta, vertebral
132	Dissection_Iliac_4	Char	3	Dissection located outside the aorta, Iliac
133	Dissection_Renal_5	Char	3	Dissection located outside the aorta, Renal
134	Dissection_Subclavian_3	Char	3	Dissection located outside the aorta, Subclavian
135	Dissection_sup_mesenteric_8	Char	3	Dissection located outside the aorta, Superior mesenteric
136	Dissection_inf_mesenteric_9	Char	3	Dissection located outside the aorta, Inferior mesenteric
137	Dissection_femoral_11	Char	3	Dissection located outside the aorta, Femoral
138	Other_dissection	Char	15	Dissection located outside the aorta, Other
139	Mean_A_Gradient_NE	Num	8	Mean aortic gradient, NE
140	Mean_A_Gradient	Num	8	Mean aortic gradient (mmHg)
141	PDA_NE	Num	8	Patent ductus Arteriosus, NE
142	Ao_coarctation_NE	Num	8	Aortic coarctation, NE
143	image_status_flag	Num	8	Is image available at Core Lab for additional reads? (0 = no, 1 = yes)

**Data Set Name: gentac\_iecho.sas7bdat**

Num	Variable	Type	Len	Label
1	adjacency_flag	Num	8	First/Second indicator for images taken within two days of each other (0 = NA, 1 = First, 2 = Second)
2	deid	Char	25	De-identified BioLINCC subject ID
3	procdate_months	Num	8	Number of months after enrollment that the image was taken
4	Ao_Leaflet_Calcification	Char	20	Aortic leaflet calcification
5	Ao_Leaflet_Mobility	Char	20	Aortic leaflet mobility
6	Age	Num	8	Age at procedure
7	ProcYear	Num	8	Procedure year
8	Height	Num	8	Height (cm)
9	Height_NE	Num	8	height not evaluated (NE)
10	Weight	Num	8	Weight (kg)
11	Weight_NE	Num	8	Weight NE
12	BSA	Num	8	BSA
13	AV_Annulus_1	Num	8	AV annulus MAX (cm)
14	AVANNULUS_1_dis_graft	Char	12	AV annulus DISSECTION/GRAFT
15	AV_Annulus_1_NE	Num	8	AV annulus NE
16	AVAnnulus_1_FL_Thrombus	Char	9	AV Annulus false lumen thrombus
17	AVAnnulus_1_fl_Diameter	Num	8	AV Annulus FL diameter
18	AVAnnulus_1_FL_area	Num	8	AV Annulus FL area (cm2)
19	Sinus_Valsalva_2_NE	Num	8	Sinus of Valsalva NE
20	Sinus_Valsalva_2	Num	8	Sinus of Valsalva MAX (cm)
21	Sinus_Valsalva_2_Dis_Graft	Char	12	Sinus of Valsalva DISSECTION/GRAFT
22	Sinus_Valsalva_2_FL_Thrombus	Char	9	Sinus of Valsalva false lumen thrombus
23	Sinus_Valsalva_2_FL_Diameter	Num	8	Sinus of Valsalva FL diameter
24	Sinus_Valsalva_2_FL_Area	Num	8	Sinus of Valsalva FL area (cm2)
25	STJ_3_NE	Num	8	Sino-tubular junction NE
26	STJ_3	Num	8	Sino-tubular junction MAX (cm)
27	STJ_3_Dis_Graft	Char	12	Sino-tubular junction DISSECTION/GRAFT
28	STJ_3_FL_Thrombus	Char	9	Sino-tubular junction false lumen thrombus
29	STJ_3_FL_Diameter	Num	8	Sino-tubular junction FL diameter
30	STJ_3_FL_Area	Num	8	Sino-tubular junction FL area (cm2)
31	Asc_Aorta_PA_max	Num	8	Ascending aorta (PA) MAX (cm)
32	Asc_Aorta_PA_Dis_Graft	Char	12	Ascending aorta(PA) DISSECTION/GRAFT
33	Asc_Aorta_PA_NE	Num	8	Ascending aorta (PA) NE
34	Asc_Aorta_PA_FL_Thrombus	Char	9	Ascending aorta (PA) false lumen thrombus
35	Asc_Aorta_PA_FL_Diameter	Num	8	Ascending aorta (PA) FL diameter
36	Asc_Aorta_PA_FL_Area	Num	8	Ascending aorta (PA) FL area (cm2)

Num	Variable	Type	Len	Label
37	Asc_Aorta_4	Num	8	Ascending aorta (largest) MAX (cm)
38	Asc_Aorta_4_Dis_Graft	Char	12	Ascending aorta(largest) DISSECTION/GRAFT
39	Asc_Aorta_4_NE	Num	8	Ascending aorta (largest) NE
40	Asc_Aorta_4_FL_Thrombus	Char	9	Ascending aorta (largest) false lumen thrombus
41	Asc_Aorta_4_FL_Diameter	Num	8	Ascending aorta (largest) FL diameter
42	Asc_Aorta_4_FL_Area	Num	8	Ascending aorta (largest) FL area (cm2)
43	Proximal_Arch_NE	Num	8	Proximal arch NE
44	ProximalArch_min	Num	8	Proximal arch MIN (cm)
45	ProximalArch_max	Num	8	Proximal arch MAX (cm)
46	ProximalArch_area	Num	8	Proximal arch area (cm2)
47	ProximalArch_Dis_Graft	Char	12	Proximal arch DISSECTION/GRAFT
48	ProximalArch_FL_Thrombus	Char	9	Proximal arch false lumen thrombus
49	ProximalArch_FL_Diameter	Num	8	Proximal arch FL diameter
50	ProximalArch_FL_Area	Num	8	Proximal arch FL area (cm2)
51	Transverse_arch_5_NE	Num	8	Transverse arch NE
52	Transverse_Arch_5_min	Num	8	Transverse arch MIN (cm)
53	Transverse_Arch_5	Num	8	Transverse arch MAX (cm)
54	Transverse_Arch_5_area	Num	8	Transverse arch area (cm2)
55	Transverse_Arch_5_Dis_Graft	Char	12	Transverse arch DISSECTION/GRAFT
56	Transverse_Arch_5_FL_Area	Num	8	Transverse arch FL area (cm2)
57	Transverse_Arch_5_FL_Thrombus	Char	9	Transverse arch false lumen thrombus
58	Transverse_Arch_5_FL_Diameter	Num	8	Transverse arch FL diameter
59	Isthmus_6	Num	8	Isthmus MAX (cm)
60	Isthmus_6_Dis_Graft	Char	12	Isthmus DISSECTION/GRAFT
61	Isthmus_6_NE	Num	8	Isthmus NE
62	Isthmus_6_FL_Thrombus	Char	9	Isthmus false lumen thrombus
63	Isthmus_6_FL_Diameter	Num	8	Isthmus FL diameter
64	Isthmus_6_FL_Area	Num	8	Isthmus FL area (cm2)
65	Mid_desc_thoracic_ao_7	Num	8	Mid-descending thoracic aorta MAX (cm)
66	Mid_desc_thoracic_ao_7_NE	Num	8	Mid-descending thoracic aorta NE
67	Mid_desc_thor_ao_7_dis_graft	Char	12	Mid-descending thoracic aorta DISSECTION/GRAFT
68	Mid_desc_thor_ao_7_FL_Thrombus	Char	9	Mid-descending thoracic aorta false lumen thrombus
69	Mid_desc_thor_ao_7_FL_Diameter	Num	8	Mid-descending thoracic aorta FL diameter
70	Mid_desc_thor_ao_7_FL_Area	Num	8	Mid-descending thoracic aorta FL area (cm2)
71	Infrarenal_ao_12	Num	8	Infrarenal aorta MAX (cm)
72	Infrarenal_ao_12_dis_graft	Char	12	Infrarenal aorta DISSECTION/GRAFT
73	Infrarenal_ao_12_FL_Thrombus	Char	9	Infrarenal aorta false lumen thrombus
74	Infrarenal_ao_12_FL_Diameter	Num	8	Infrarenal aorta FL diameter
75	Infrarenal_ao_12_FL_Area	Num	8	Infrarenal aorta FL area (cm2)



Num	Variable	Type	Len	Label
76	Infrarenal_ao_12_NE	Num	8	Infrarenal aorta NE
77	Main_Pul_A_diameter	Num	8	Main pulmonary artery diameter (cm)
78	Main_Pul_A_diameter_NE	Num	8	Main pulmonary artery diameter NE
79	Right_Pul_A_diameter	Num	8	Right pulmonary artery diameter (cm)
80	Right_Pul_A_diameter_NE	Num	8	Right pulmonary artery diameter NE
81	Ao_coarctation	Char	3	Aortic coarctation
82	Left_Pul_A_diameter	Num	8	Left pulmonary artery diameter (CM)
83	Left_Pul_A_diameter_NE	Num	8	Left pulmonary artery diameter NE
84	PDA	Char	3	Patent ductus arteriosus
85	TypeofExam	Char	4	Type of exam
86	Presenceofprostheticvalves_Ao	Num	8	Presence of prosthetic valve: Aortic
87	TR_V	Num	8	TR velocity (msec)
88	MV_A_diameter	Num	8	MV annular diameter (cm)
89	Pul_Stenosis_NE	Num	8	Pulmonary stenosis, NE
90	MR_NE	Num	8	Mitral regurgitation, NE
91	Mean_A_Gradient_NE	Num	8	Mean aortic gradient, NE
92	PK_Ao_Gradient_NE	Num	8	Peak aortic gradient, NE
93	MV_Prolapse	Char	15	Mitral valve prolapse
94	MV_Prolapse_NE	Num	8	Mitral valve prolapse, NE
95	PK_Ao_Gradient	Num	8	Peak aortic gradient (mmHg)
96	Aorticstenosis	Char	16	Aortic stenosis
97	Pul_regurgitation_NE	Num	8	Pulmonary regurgitation, NE
98	Presenceofprostheticvalves_PV	Num	8	Presence of prosthetic valve: Pulmonic
99	Presence_prosthetic_V_NE	Num	8	Presence of prosthetic valve, NE
100	Pulmonary_V_A_diameter_NE	Num	8	Pulmonary valve annular diameter , NE
101	MV_A_diameter_NE	Num	8	MV annular diameter, ne
102	Presenceofprostheticvalves_TV	Num	8	Presence of prosthetic valve: tricuspid
103	Presenceofprostheticvalves_MV	Num	8	Presence of prosthetic valve: mitral
104	MV_Thickness_NE	Num	8	Mitral thickness, NE
105	Pulmonary_V_A_diameter	Num	8	Pulmonary valve annular diameter (cm)
106	TR_NE	Num	8	Tricuspid regurgitation, NE
107	TR_V_NE	Num	8	TR Velocity, NE
108	MR	Char	15	Mitral regurgitation
109	MitralThickness	Char	15	Mitral thickness
110	TR	Char	15	Tricuspid regurgitation
111	Pul_regurgitation	Char	15	Pulmonary regurgitation
112	Pul_Stenosis	Char	3	Pulmonary stenosis
113	Aortic_morphology	Char	16	Aortic valve morphology
114	Type_of_fusion	Char	16	Type of fusion (bicuspid)

Num	Variable	Type	Len	Label
115	Aorticregurgitation	Char	16	Aortic regurgitation
116	PFO_ASD_NE	Num	8	PFO/ASD, NE
117	LVEDV_NE	Num	8	LV end diastolic volume, NE
118	LVEDV	Num	8	LV end diastolic volume (ml)
119	LVEDd_NE	Num	8	LV end diastolic dimension, NE
120	LVEDd	Num	8	LV end diastolic dimension (cm)
121	LVESd_NE	Num	8	LV end systolic dimension, NE
122	LVESd	Num	8	LV end systolic dimension (cm)
123	Rightventricularfunction0	Char	27	Right Ventricular function
124	Subaortic_Membrane	Char	3	Subaortic membrane
125	PDA_NE	Num	8	Patent ductus Arteriosus, NE
126	Ao_coarctation_NE	Num	8	Aortic coarctation, NE
127	Fractional_Shortening_NE	Num	8	Fractional shortening, NE
128	LV_EF	Num	8	LV ejection fraction, %
129	LV_EF_NE	Num	8	LV ejection fraction, NE
130	PFO_ASD	Char	3	PFO/ASD
131	Subaortic_Membrane_NE	Num	8	Subaortic membrane
132	VSD	Char	3	Ventricular Septal defect
133	VSD_NE	Num	8	Ventricular Septal defect, NE
134	Fractional_Shortening	Num	8	Fractional shortening %
135	LVESV_NE	Num	8	LV end systolic volume, NE
136	LVESV	Num	8	LV end syastolic volume (ml)
137	Ao_leaflet_thickening	Char	500	Aortic leaflet thickening
138	image_status_flag	Num	8	Is image available at Core Lab for additional reads? (0 = no, 1 = yes)

**Data Set Name: gentac\_imri.sas7bdat**

Num	Variable	Type	Len	Label
1	adjacency_flag	Num	8	First/Second indicator for images taken within two days of each other (0 = NA, 1 = First, 2 = Second)
2	deid	Char	25	De-identified BioLINCC subject ID
3	procdate_months	Num	8	Number of months after enrollment that the image was taken
4	Age	Num	8	Age at procedure
5	ProcYear	Num	8	Procedure year
6	Height	Num	8	Height (cm)
7	Height_NE	Num	8	height not evaluated (NE)
8	Type_Non_contrast	Num	8	Type of exam - Non contrast (CT & MRI)
9	Weight	Num	8	Weight (kg)
10	Weight_NE	Num	8	Weight NE
11	Type_Contrast	Num	8	Type of exam - Contrast
12	BSA	Num	8	BSA
13	Type_Gated	Num	8	Type of exam - Gated (CT & MRI)
14	AV_Annulus_1_min	Num	8	AV annulus MIN (cm)
15	AV_Annulus_1	Num	8	AV annulus MAX (cm)
16	AV_Annulus_1_area	Num	8	AV annulus area (cm2)
17	AVANNULUS_1_dis_graft	Char	12	AV annulus DISSECTION/GRAFT
18	AV_Annulus_1_NE	Num	8	AV annulus NE
19	AVAnnulus_1_FL_Thrombus	Char	9	AV Annulus false lumen thrombus
20	AVAnnulus_1_fl_Diameter	Num	8	AV Annulus FL diameter
21	AVAnnulus_1_FL_area	Num	8	AV Annulus FL area (cm2)
22	Sinus_Valsalva_2_NE	Num	8	Sinus of Valsalva NE
23	Sinus_Valsalva_2_min	Num	8	Sinus of Valsalva MIN (cm)
24	Sinus_Valsalva_2	Num	8	Sinus of Valsalva MAX (cm)
25	Sinus_Valsalva_2_area	Num	8	Sinus of Valsalva area (cm2)
26	Sinus_Valsalva_2_Dis_Graft	Char	12	Sinus of Valsalva DISSECTION/GRAFT
27	Sinus_Valsalva_2_FL_Thrombus	Char	9	Sinus of Valsalva false lumen thrombus
28	Sinus_Valsalva_2_FL_Diameter	Num	8	Sinus of Valsalva FL diameter
29	Sinus_Valsalva_2_FL_Area	Num	8	Sinus of Valsalva FL area (cm2)
30	STJ_3_NE	Num	8	Sino-tubular junction NE
31	STJ_3_min	Num	8	Sino-tubular junction MIN (cm)
32	STJ_3	Num	8	Sino-tubular junction MAX (cm)
33	STJ_3_area	Num	8	Sino-tubular junction area (cm2)
34	STJ_3_Dis_Graft	Char	12	Sino-tubular junction DISSECTION/GRAFT
35	STJ_3_FL_Thrombus	Char	9	Sino-tubular junction false lumen thrombus
36	STJ_3_FL_Diameter	Num	8	Sino-tubular junction FL diameter

Num	Variable	Type	Len	Label
37	STJ_3_FL_Area	Num	8	Sino-tubular junction FL area (cm2)
38	Asc_Aorta_PA_min	Num	8	Ascending aorta (PA) MIN (cm)
39	Asc_Aorta_PA_max	Num	8	Ascending aorta (PA) MAX (cm)
40	Asc_Aorta_PA_area	Num	8	Ascending aorta (PA) area (cm2)
41	Asc_Aorta_PA_Dis_Graft	Char	12	Ascending aorta(PA) DISSECTION/GRAFT
42	Asc_Aorta_PA_NE	Num	8	Ascending aorta (PA) NE
43	Asc_Aorta_PA_FL_Thrombus	Char	9	Ascending aorta (PA) false lumen thrombus
44	Asc_Aorta_PA_FL_Diameter	Num	8	Ascending aorta (PA) FL diameter
45	Asc_Aorta_PA_FL_Area	Num	8	Ascending aorta (PA) FL area (cm2)
46	Asc_Aorta_4_min	Num	8	Ascending aorta (largest) MIN (cm)
47	Asc_Aorta_4	Num	8	Ascending aorta (largest) MAX (cm)
48	Asc_Aorta_4_area	Num	8	Ascending aorta (largest) area (cm2)
49	Asc_Aorta_4_Dis_Graft	Char	12	Ascending aorta(largest) DISSECTION/GRAFT
50	Asc_Aorta_4_NE	Num	8	Ascending aorta (largest) NE
51	Asc_Aorta_4_FL_Thrombus	Char	9	Ascending aorta (largest) false lumen thrombus
52	Asc_Aorta_4_FL_Diameter	Num	8	Ascending aorta (largest) FL diameter
53	Asc_Aorta_4_FL_Area	Num	8	Ascending aorta (largest) FL area (cm2)
54	Proximal_Arch_NE	Num	8	Proximal arch NE
55	ProximalArch_min	Num	8	Proximal arch MIN (cm)
56	ProximalArch_max	Num	8	Proximal arch MAX (cm)
57	ProximalArch_area	Num	8	Proximal arch area (cm2)
58	ProximalArch_Dis_Graft	Char	12	Proximal arch DISSECTION/GRAFT
59	ProximalArch_FL_Thrombus	Char	9	Proximal arch false lumen thrombus
60	ProximalArch_FL_Diameter	Num	8	Proximal arch FL diameter
61	ProximalArch_FL_Area	Num	8	Proximal arch FL area (cm2)
62	Transverse_arch_5_NE	Num	8	Transverse arch NE
63	Transverse_Arch_5_min	Num	8	Transverse arch MIN (cm)
64	Transverse_Arch_5	Num	8	Transverse arch MAX (cm)
65	Transverse_Arch_5_area	Num	8	Transverse arch area (cm2)
66	Transverse_Arch_5_Dis_Graft	Char	12	Transverse arch DISSECTION/GRAFT
67	Transverse_Arch_5_FL_Area	Num	8	Transverse arch FL area (cm2)
68	Transverse_Arch_5_FL_Thrombus	Char	9	Transverse arch false lumen thrombus
69	Transverse_Arch_5_FL_Diameter	Num	8	Transverse arch FL diameter
70	Isthmus_6_min	Num	8	Isthmus MIN (cm)
71	Isthmus_6	Num	8	Isthmus MAX (cm)
72	Isthmus_6_area	Num	8	Isthmus area (cm2)
73	Isthmus_6_Dis_Graft	Char	12	Isthmus DISSECTION/GRAFT
74	Isthmus_6_NE	Num	8	Isthmus NE
75	Isthmus_6_FL_Thrombus	Char	9	Isthmus false lumen thrombus

Num	Variable	Type	Len	Label
76	Isthmus_6_FL_Diameter	Num	8	Isthmus FL diameter
77	Isthmus_6_FL_Area	Num	8	Isthmus FL area (cm2)
78	Mid_desc_thoracic_ao_7_min	Num	8	Mid-descending thoracic aorta MIN (cm)
79	Mid_desc_thoracic_ao_7	Num	8	Mid-descending thoracic aorta MAX (cm)
80	Mid_desc_thoracic_ao_7_NE	Num	8	Mid-descending thoracic aorta NE
81	Mid_desc_thoracic_ao_7_area	Num	8	Mid-descending thoracic aorta area (cm2)
82	Mid_desc_thor_ao_7_dis_graft	Char	12	Mid-descending thoracic aorta DISSECTION/GRAFT
83	Mid_desc_thor_ao_7_FL_Thrombus	Char	9	Mid-descending thoracic aorta false lumen thrombus
84	Mid_desc_thor_ao_7_FL_Diameter	Num	8	Mid-descending thoracic aorta FL diameter
85	Mid_desc_thor_ao_7_FL_Area	Num	8	Mid-descending thoracic aorta FL area (cm2)
86	Thoracoabdominal_aorta_9_min	Num	8	Thoracoabdominal aorta MIN (cm)
87	Thoracoabdominal_aorta_9	Num	8	Thoracoabdominal aorta MAX (cm)
88	Thoracoabdominal_aorta_9_area	Num	8	Thoracoabdominal aorta area (cm2)
89	Thoracoabdo_aorta_9_dis_graft	Char	12	Thoracoabdominal aorta DISSECTION/GRAFT
90	Thoracoabdominal_aorta_9_NE	Num	8	Thoracoabdominal aorta NE
91	Thoracoabdo_aorta_9_FL_Thrombu	Char	9	Thoracoabdominal aorta false lumen thrombus
92	Thoracoabdo_aorta_9_FL_Diamete	Num	8	Thoracoabdominal aorta FL diameter
93	Thoracoabdo_aorta_9_FL_Area	Num	8	Thoracoabdominal aorta FL area (cm2)
94	Suprarenal_abd_ao_10_dis_graft	Char	12	Suprarenal abdominal aorta DISSECTION/GRAFT
95	Suprarenal_abd_ao_10_FL_Thromb	Char	9	Suprarenal abdominal aorta false lumen thrombus
96	Suprarenal_abd_ao_10_FL_Diamet	Num	8	Suprarenal abdominal aorta area (cm2)
97	Suprarenal_abd_ao_10_FL_Area	Num	8	Suprarenal abdominal aorta DISSECTION/GRAFT
98	Suprarenal_abd_aorta_10_min	Num	8	Suprarenal abdominal aorta false lumen thrombus
99	Suprarenal_abd_aorta_10	Num	8	Suprarenal abdominal aorta FL diameter
100	Suprarenal_abd_aorta_10_area	Num	8	Suprarenal abdominal aorta FL area (cm2)
101	Suprarenal_abd_aorta_10_NE	Num	8	Suprarenal abdominal aorta NE
102	Infrarenal_ao_12_min	Num	8	Infrarenal aorta MIN (cm)
103	Infrarenal_ao_12	Num	8	Infrarenal aorta MAX (cm)
104	Infrarenal_ao_12_area	Num	8	Infrarenal aorta area (cm2)
105	Infrarenal_ao_12_dis_graft	Char	12	Infrarenal aorta DISSECTION/GRAFT
106	Infrarenal_ao_12_FL_Thrombus	Char	9	Infrarenal aorta false lumen thrombus
107	Infrarenal_ao_12_FL_Diameter	Num	8	Infrarenal aorta FL diameter
108	Infrarenal_ao_12_FL_Area	Num	8	Infrarenal aorta FL area (cm2)
109	Infrarenal_ao_12_NE	Num	8	Infrarenal aorta NE
110	Main_Pul_A_diameter	Num	8	Main pulmonary artery diameter (cm)
111	Main_Pul_A_diameter_NE	Num	8	Main pulmonary artery diameter NE
112	Rt_sided_aortic_arch	Char	3	Right sided aortic arch
113	Right_Pul_A_diameter	Num	8	Right pulmonary artery diameter (cm)
114	Right_Pul_A_diameter_NE	Num	8	Right pulmonary artery diameter NE

Num	Variable	Type	Len	Label
115	Ao_coarctation	Char	3	Aortic coarctation
116	Left_Pul_A_diameter	Num	8	Left pulmonary artery diameter (CM)
117	Left_Pul_A_diameter_NE	Num	8	Left pulmonary artery diameter NE
118	PDA	Char	3	Patent ductus arteriosus
119	Other_cardiac_anomaly_1_Y_N	Char	3	Other cardiac #1 YES/NO
120	Other_cardiac_anomaly_2_Y_N	Char	3	Other cardiac #2 YES/NO
121	Aneurysm_Renal_6	Char	3	Aneurysm located outside the aorta, Renal
122	Aneurysm_Carotid_2	Char	3	Aneurysm located outside the aorta, Carotid
123	Aneurysm_Subclavian_3	Char	3	Aneurysm located outside the aorta, Subclavian
124	Aneurysm_Vertebral_4	Char	3	Aneurysm located outside the aorta, vertebral
125	Aneurysm_Iliac_5	Char	3	Aneurysm located outside the aorta, Iliac
126	Aneurysm_Femoral_11	Char	3	Aneurysm located outside the aorta, Femoral
127	Aneurysm_superior_mesenteric_8	Char	3	Aneurysm located outside the aorta, Superior mesenteric
128	Aneurysm_Inferior_mesenteric_9	Char	3	Aneurysm located outside the aorta, Inferior mesenteric
129	Other_aneurysm	Char	15	Aneurysm located outside the aorta Carotid
130	Dissection_Carotid_2	Char	3	Dissection located outside the aorta, Carotid
131	Dissection_Vertebral_4	Char	3	Dissection located outside the aorta, vertebral
132	Dissection_Iliac_4	Char	3	Dissection located outside the aorta, Iliac
133	Dissection_Renal_5	Char	3	Dissection located outside the aorta, Renal
134	Dissection_Subclavian_3	Char	3	Dissection located outside the aorta, Subclavian
135	Dissection_sup_mesenteric_8	Char	3	Dissection located outside the aorta, Superior mesenteric
136	Dissection_inf_mesenteric_9	Char	3	Dissection located outside the aorta, Inferior mesenteric
137	Dissection_femoral_11	Char	3	Dissection located outside the aorta, Femoral
138	Other_dissection	Char	15	Dissection located outside the aorta, Other
139	Mean_A_Gradient_NE	Num	8	Mean aortic gradient, NE
140	Mean_A_Gradient	Num	8	Mean aortic gradient (mmHg)
141	PDA_NE	Num	8	Patent ductus Arteriosus, NE
142	Ao_coarctation_NE	Num	8	Aortic coarctation, NE
143	image_status_flag	Num	8	Is image available at Core Lab for additional reads? (0 = no, 1 = yes)

**Data Set Name: gentacf3famtable.sas7bdat**

Num	Variable	Type	Len	Label
1	F3B33D1	Char	100	B33 - Cancer diagnosis 1
2	F3B33D2	Char	100	B33 - Cancer diagnosis 2
3	F3B33D3	Char	100	B33 - Cancer diagnosis 3
4	deID	Char	25	Random ID
5	F3REL	Num	8	Relationship code
6	F3BLD	Num	8	Sibling Relationship
7	F3B02	Char	2	B2 - State of residence
8	F3B03	Num	8	B3 - Gender
9	F3B05	Num	8	B5 - Relative deceased
10	F3B06	Num	8	B6 - Current age or age at death
11	F3B08	Num	8	B8 - Medical history
12	F3B09	Num	8	B9 - Marfan's syndrome
13	F3B10	Num	8	B10 - Ehlers-Danlos syndrome
14	F3B11	Num	8	B11 - Loeys-Dietz syndrome
15	F3B12	Num	8	B12 - TGF beta or FBN1 mutation
16	F3B13	Num	8	B13 - Shprintzen-Goldberg Syndrome
17	F3B14	Num	8	B14 - Aortic aneurysm
18	F3B15	Num	8	B15 - Aortic dissection
19	F3B16	Num	8	B16 - Coarctation of aorta
20	F3B17	Num	8	B17 - Bicuspid aortic valve disease
21	F3B18	Num	8	B18 - Other valvular disease
22	F3B19	Num	8	B19 - Congenital heart disease
23	F3B20	Num	8	B20 - Heart attack
24	F3B21	Num	8	B21 - Angina
25	F3B22	Num	8	B22 - Angioplasty coronary artery
26	F3B23	Num	8	B23 - Bypass surgery
27	F3B24	Num	8	B24 - Hypertension
28	F3B25	Num	8	B25 - Congestive heart failure
29	F3B26	Num	8	B26 - Other heart disease
30	F3B27	Num	8	B27 - Varicose veins
31	F3B28	Num	8	B28 - Artery disease
32	F3B28S	Char	500	Artery disease (specify location)
33	F3B29	Num	8	B29 - Stroke
34	F3B30	Num	8	B30 - Joint Disease
35	F3B31	Num	8	B31 - Blood clotting/bleeding disorder
36	F3B32	Num	8	B32 - Renal or kidney disease

Num	Variable	Type	Len	Label
37	F3B33	Num	8	B33 - Cancer
38	F3B34	Num	8	B34 - Developmental/mental disability
39	F3B35	Num	8	B35 - Sudden/unexpected death
40	F3B36	Num	8	B36 - None of the above
41	F3B33A1	Num	8	B33 - Cancer (age 1)
42	F3B33A2	Num	8	B33 - Cancer (age 2)
43	F3B33A3	Num	8	B33 - Cancer (age 3)
44	F3B09A	Num	8	B9 - Marfan's syndrome (age)
45	F3B10A	Num	8	B10 - Ehlers-Danlos syndrome (age)
46	F3B11A	Num	8	B11 - Loeys-Dietz syndrome (age)
47	F3B12A	Num	8	B12 - TGF beta or FBN1 mutation (age)
48	F3B13A	Num	8	B13 - Shprintzen-Goldberg Syndrome (age)
49	F3B14A	Num	8	B14 - Aortic aneurysm (age)
50	F3B15A	Num	8	B15 - Aortic dissection (age)
51	F3B16A	Num	8	B16 - Coarctation of aorta (age)
52	F3B17A	Num	8	B17 - Bicuspid aortic valve disease (age)
53	F3B18A	Num	8	B18 - Other valvular disease (age)
54	F3B19A	Num	8	B19 - Congenital heart disease (age)
55	F3B20A	Num	8	B20 - Heart attack (age)
56	F3B21A	Num	8	B21 - Angina (age)
57	F3B22A	Num	8	B22 - Angioplasty coronary artery (age)
58	F3B23A	Num	8	B23 - Bypass surgery (age)
59	F3B24A	Num	8	B24 - Hypertension (age)
60	F3B25A	Num	8	B25 - Congestive heart failure (age)
61	F3B26A	Num	8	B26 - Other heart disease (age)
62	F3B27A	Num	8	B27 - Varicose veins (age)
63	F3B28A	Num	8	B28 - Artery disease (age)
64	F3B28L	Num	8	Artery disease (specify type)
65	F3B29A	Num	8	B29 - Stroke (age)
66	F3B30A	Num	8	B30 - Joint Disease (age)
67	F3B31A	Num	8	B31 - Blood clotting/bleeding disorder (age)
68	F3B32A	Num	8	B32 - Renal or kidney disease (age)
69	F3B34A	Num	8	B34 - Developmental/mental disability (age)
70	F3B35a	Num	8	B35 - Sudden/unexpected death (age)



**Data Set Name: gentacform1.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F102	Num	8	2 - Approximate age at diagnosis
3	F103YY	Num	8	3 - Date of enrollment to registry (year)
4	F105AYY	Num	8	5A - Date of earliest ascending abnormality (year)
5	F105BYY	Num	8	5B - Date of earliest arch abnormality (year)
6	F105CYY	Num	8	5C - Date of earliest descending abnormality (year)
7	F105DYY	Num	8	5D - Date of earliest abdominal abnormality (year)
8	F105EYY	Num	8	5E - Date of earliest sinus abnormality (year)
9	F106YY	Num	8	6 - Date of birth (year)
10	F110	Num	8	10 - Height (cm)
11	F111	Num	8	11 - Weight (kg)
12	F112	Num	8	12 - Arm span (cm)
13	F113	Num	8	13 - Lower segment (cm)
14	F114	Num	8	14 - Heart Rate (beats/min)
15	F115S	Num	8	15 - Systolic blood pressure
16	F115D	Num	8	15 - Diastolic blood pressure
17	F117F09S	Char	500	17F9 - Hernia (specify)
18	F118A	Num	8	18A - Age at onset of diabetes
19	F1191A	Char	500	191A - Cancer #1 type
20	F1191B	Char	500	191B - Cancer #1 location
21	F1191C	Num	8	191C - Cancer #1 age at onset
22	F1192A	Char	50	192A - Cancer #2 type
23	F1192B	Char	50	192B - Cancer #2 location
24	F1192C	Num	8	192C - Cancer #2 age at onset
25	F1193A	Char	50	193A - Cancer #3 type
26	F1193B	Char	50	193B - Cancer #3 location
27	F1193C	Num	8	193C - Cancer #3 age at onset
28	F120A1	Char	50	20A1 - Registry ID number
29	F120A2	Num	8	20A2 - Relationship code
30	F120B1	Char	50	20B1 - Registry ID number
31	F120B2	Num	8	20B2 - Relationship code
32	F120C1	Char	50	20C1 - Registry ID number
33	F120C2	Num	8	20C2 - Relationship code
34	F120D1	Char	50	20D1 - Registry ID number
35	F120D2	Num	8	20D2 - Relationship code
36	F120E1	Char	50	20E1 - Registry ID number

Num	Variable	Type	Len	Label
37	F120E2	Num	8	20E2 - Relationship code
38	F120F1	Char	50	20F1 - Registry ID number
39	F120F2	Num	8	20F2 - Relationship code
40	F121AYY	Num	8	21A - Beta blockers (year)
41	F121BYY	Num	8	21B - Losartan (year)
42	F121CYY	Num	8	21C - Other ARB (year)
43	F121DYY	Num	8	21D - ACE Inhibitor (year)
44	F121EYY	Num	8	21E - Statins (year)
45	F121FYY	Num	8	21F - Verapamil or Diltiazem (year)
46	F121GYY	Num	8	21G - Other CA+ channel blocker (year)
47	F121HYY	Num	8	21H - Other BP lowering drug (year)
48	F122B1	Num	8	Number of surgical intervention forms
49	F125	Num	8	25 - Year patient first seen at institution
50	F101A	Num	8	1A - Marfan syndrome
51	F101A_S	Num	8	1A - Marfan syndrome (secondary diagnosis)
52	F101B	Num	8	1B - Turner syndrome
53	F101B_S	Num	8	1B - Turner syndrome (secondary diagnosis)
54	F101C	Num	8	1C - Ehlers-Danlos syndrome, vascular
55	F101C_S	Num	8	1C - Ehlers-Danlos syndrome, vascular (secondary diagnosis)
56	F101D	Num	8	1D - Ehlers-Danlos syndrome, other
57	F101D_S	Num	8	1D - Ehlers-Danlos syndrome, other (secondary diagnosis)
58	F101E	Num	8	1E - Loeys-Dietz syndrome
59	F101E_S	Num	8	1E - Loeys-Dietz syndrome (secondary diagnosis)
60	F101F	Num	8	1F - FBN1, TGFBR1 or TGFBR2 genetic mutation
61	F101F_S	Num	8	1F - FBN1, TGFBR1 or TGFBR2 genetic mutation (secondary diagnosis)
62	F101G	Num	8	1G - Bicuspid aortic valve w/out family history
63	F101G_S	Num	8	1G - Bicuspid aortic valve w/out family history (secondary diagnosis)
64	F101H	Num	8	1H - Bicuspid aortic valve w/ family history
65	F101H_S	Num	8	1H - Bicuspid aortic valve w/ family history (secondary diagnosis)
66	F101N	Num	8	1N - BAV with coarctation
67	F101N_S	Num	8	1N - BAV with coarctatio (secondary diagnosis)
68	F101I	Num	8	1I - Shprintzen-Goldberg syndrome
69	F101I_S	Num	8	1I - Shprintzen-Goldberg syndrome (secondary diagnosis)
70	F101J	Num	8	1J - Familial Thoracic Aortic Aneurysm and Dissection
71	F101J_S	Num	8	1J - Familial Thoracic Aortic Aneurysm and Dissection (secondary diagnosis)
72	F101K	Num	8	1K - Other due to trama (<40 years old)
73	F101K_S	Num	8	1K - Other due to trama (<40 years old) (secondary diagnosis)
74	F101L	Num	8	1L - Other congenital heart disease w/ family history
75	F101L_S	Num	8	1L - Other congenital heart disease w/ family history (secondary diagnosis)

Num	Variable	Type	Len	Label
76	F101M	Num	8	1M - 1st or 2nd degree family member of probrand already enrolled in GenTAC
77	F101M_S	Num	8	1M - 1st or 2nd degree family member of probrand already enrolled in GenTAC (secondary diagnosis)
78	F102UN	Num	8	2 - Approximate age at diagnosis (unknown)
79	F104	Num	8	4 - Patient ever diagnosed w/ thoracic aortic aneurysm, dissection/rupture, or tortuosity
80	F105A1	Num	8	5A1 - Ascending always normal
81	F105A2	Num	8	5A2 - Ascending ever tortuous
82	F105A3	Num	8	5A3 - Ascending ever dilated
83	F105A4	Num	8	5A4 - Ascending ever dissected
84	F105A5	Num	8	5A5 - Ascending unknown
85	F105B1	Num	8	5B1 - Arch always normal
86	F105B2	Num	8	5B2 - Arch ever tortuous
87	F105B3	Num	8	5B3 - Arch ever dilated
88	F105B4	Num	8	5B4 - Arch ever dissected
89	F105B5	Num	8	5B5 - Arch unknown
90	F105C1	Num	8	5C1 - Descending always normal
91	F105C2	Num	8	5C2 - Descending ever tortuous
92	F105C3	Num	8	5C3 - Descending ever dilated
93	F105C4	Num	8	5C4 - Descending ever dissected
94	F105C5	Num	8	5C5 - Descending unknown
95	F105D1	Num	8	5D1 - Abdominal always normal
96	F105D2	Num	8	5D2 - Abdominal ever tortuous
97	F105D3	Num	8	5D3 - Abdominal ever dilated
98	F105D4	Num	8	5D4 - Abdominal ever dissected
99	F105D5	Num	8	5D5 - Abdominal unknown
100	F105E1	Num	8	5E1 - Sinus of Valsalva always normal
101	F105E2	Num	8	5E2 - Sinus of Valsalva ever tortuous
102	F105E3	Num	8	5E3 - Sinus of Valsalva ever dilated
103	F105E4	Num	8	5E4 - Sinus of Valsalva ever dissected
104	F105E5	Num	8	5E5 - Sinus of Valsalva unknown
105	F107	Num	8	7 - Gender
106	F109	Num	8	9 - Hispanic/Latino origin
107	F116	Num	8	16 - Karnofsky performance
108	F117A01	Num	8	17A1 - Pectus carinatum
109	F117A02	Num	8	17A2 - Pectus excavatum
110	F117A03	Num	8	17A3 - Shield chest
111	F117A04	Num	8	17A4 - Recurrent dislocations/subluxations
112	F117A05	Num	8	17A5 - Joint hypermobility in >1 joint
113	F117A06	Num	8	17A6 - Wrist sign
114	F117A07	Num	8	17A7 - Scoliosis that is clinically evident

Num	Variable	Type	Len	Label
115	F117A08	Num	8	17A8 - Abnormal kyphoscoliosis/lordosis
116	F117A09	Num	8	17A9 - Pes planus
117	F117A10	Num	8	17A10 - Protrusio acetabulae
118	F117A11	Num	8	17A11 - Osteopenia/osteoporosis
119	F117A12	Num	8	17A12 - Congenital bilateral dislocated hips
120	F117A13	Num	8	17A13 - Hypotonia
121	F117A14	Num	8	17A14 - Tendon/muscle rupture
122	F117A15	Num	8	17A15 - Joint pain, arthralgia
123	F117A16	Num	8	17A16 - Thumb sign
124	F117A17	Num	8	17A17 - Hypoplastic or hyperconvex nails
125	F117A18	Num	8	17A18 - Low back pain
126	F117A19	Num	8	17A19 - Cubitus valgus
127	F117A20	Num	8	17A20 - Short fourth metacarpal or metatarsal
128	F117A21	Num	8	17A21 - Clubfoot
129	F117A22	Num	8	17A22 - Reduced elbow extension (<170°)
130	F117A23	Num	8	17A23 - Long fingers, arachnodactyly
131	F117A27	Num	8	17A27 - Genu recurvatum
132	F117A25	Num	8	17A25 - Other Musculoskeletal
133	F117A26	Num	8	17A26 - Other Musculoskeletal
134	F117B01	Num	8	17B1 - Pneumothorax
135	F117B02	Num	8	17B2 - Asthma
136	F117B03	Num	8	17B3 - Pulmonary hypertension
137	F117B04	Num	8	17B4 - Other pulmonary
138	F117C01	Num	8	17C1 - Patent ductus arteriosus
139	F117C02	Num	8	17C2 - Atrial septal defect (ASD)/PFO
140	F117C03	Num	8	17C3 - Ventricular septal defect (VSD)
141	F117C04	Num	8	17C4 - Tetralogy of Fallot
142	F117C05	Num	8	17C5 - Other congenital heart defect
143	F117C06	Num	8	17C6 - Mitral valve prolapse
144	F117C07	Num	8	17C7 - Mitral valve stenosis
145	F117C08	Num	8	17C8 - Mitral valve regurgitation > trace
146	F117C09	Num	8	17C9 - Calcified mitral anulus
147	F117C10	Num	8	17C10 - Aortic valve regurgitation
148	F117C11	Num	8	17C11 - Aortic valve stenosis
149	F117C12	Num	8	17C12 - Aortic coarctation, current/repared
150	F117C13	Num	8	17C13 - Bicuspid aortic valve (BAV)
151	F117C14	Num	8	17C14 - Tricuspid regurgitation > trace
152	F117C15	Num	8	17C15 - Pulmonary stenosis/right ventricular outflow obstruction
153	F117C16	Num	8	17C16 - Pulmonary regurgitation > trace

Num	Variable	Type	Len	Label
154	F117C17	Num	8	17C17 - Pulse deficits
155	F117C18	Num	8	17C18 - Endocarditis
156	F117C19	Num	8	17C19 - Atrial arrhythmia
157	F117C20	Num	8	17C20 - Cardiac arrhythmia (not atrial)
158	F117C21	Num	8	17C21 - Coronary dissection
159	F117C22	Num	8	17C22 - Coronary ectasia
160	F117C23	Num	8	17C23 - Carotid dissection
161	F117C24	Num	8	17C24 - Symptomatic coronary artery disease
162	F117C25	Num	8	17C25 - Left cardiac hypertrophy
163	F117C26	Num	8	17C26 - Congestive heart failure/left ventricular function
164	F117C27	Num	8	17C27 - Left ventricular dilation
165	F117C28	Num	8	17C28 - Left ventricular hypertrophy
166	F117C29	Num	8	17C29 - Right ventricular hypertrophy
167	F117C30	Num	8	17C30 - Right ventricular dysfunction/failure
168	F117C31	Num	8	17C31 - Dilatation of the pulmonary artery
169	F117C32	Num	8	17C32 - Other pulmonary artery abnormality
170	F117C33	Num	8	17C33 - Other Pulmonary
171	F117C34	Num	8	17C34 - Other Pulmonary
172	F117D01	Num	8	17D1 - High palate/dental crowding
173	F117D02	Num	8	17D2 - Dolicocephaly
174	F117D03	Num	8	17D3 - Malar hypoplasia
175	F117D04	Num	8	17D4 - Enophthalmos
176	F117D05	Num	8	17D5 - Retrognathia
177	F117G05	Num	8	17G5 - Arnold-Chiari malformation
178	F117D06	Num	8	17D6 - Down-slanting palpebral fissures
179	F117D07	Num	8	17D7 - Cleft palate
180	F117D08	Num	8	17D8 - Bifid or broad-based uvula
181	F117D09	Num	8	17D9 - Craniosynostosis
182	F117D10	Num	8	17D10 - Other craniofacial
183	F117EXMN	Num	8	F117E - Examiner type
184	F117LAMP	Num	8	F117E - Slit lamp exam
185	F117E01	Num	8	17E1 - Lens dislocation
186	F117E02	Num	8	17E2 - Glaucoma
187	F117E03	Num	8	17E3 - Microcornea
188	F117E04	Num	8	17E4 - Hypertelorism
189	F117E05	Num	8	17E5 - Retinal detachment
190	F117E06	Num	8	17E6 - Amblyopia
191	F117E07	Num	8	17E7 - Strabismus
192	F117E08	Num	8	17E8 - Scleral fragility

Num	Variable	Type	Len	Label
193	F117E09	Num	8	17E9 - Myopia >4 diopters
194	F117E10	Num	8	17E10 - Cataracts, <50 years of age
195	F117E11	Num	8	17E11 - Iris Flocculi
196	F117E12	Num	8	17E12 - Blue/grey sclera
197	F117E15	Num	8	17E15 - Iridodonesis
198	F117E14	Num	8	17E14 - Other ocular
199	F117F01	Num	8	17F1 - Skin hyperextensibility
200	F117F02	Num	8	17F2 - Wide atrophic scars
201	F117F03	Num	8	17F3 - Poor wound healing
202	F117F04	Num	8	17F4 - Easy bruising
203	F117F05	Num	8	17F5 - Soft, velvety or doughy skin
204	F117F06	Num	8	17F6 - Tissue fragility
205	F117F07	Num	8	17F7 - Lack of subcutaneous fat
206	F117F08	Num	8	17F8 - Striae atrophicae
207	F117F09	Num	8	17F9 - Hernia
208	F117F10	Num	8	17F10 - Recurrent hernia
209	F117F11	Num	8	17F11 - Thin translucent skin
210	F117F12	Num	8	17F12 - Webbed neck
211	F117F13	Num	8	17F13 - Other skin
212	F117F14	Num	8	17F14 - Other skin
213	F117G01	Num	8	17G1 - Lumbosacral dural ectasia
214	F117G02	Num	8	17G2 - Hemorrhagic stroke
215	F117G03	Num	8	17G3 - Ischemic stroke
216	F117G04	Num	8	17G4 - Stroke, type unknown
217	F117G06	Num	8	17G6 - Migraines
218	F117G07	Num	8	17G7 - Cerebral aneurysms
219	F117K01	Num	8	17K1 - Learning disability
220	F117G08	Num	8	17G8 - Other central nervous
221	F117H01	Num	8	17H1 - Early-onset varicose veins, <40 years of age
222	F117H02	Num	8	17H2 - Arteriovenous malformation
223	F117H03	Num	8	17H3 - Arterial rupture
224	F117H04	Num	8	17H4 - Lymphedema
225	F117H05	Num	8	17H5 - Other vascular
226	F117H06	Num	8	17H6 - Other vascular
227	F117I01	Num	8	17I1 - Ulcerative colitis
228	F117I02	Num	8	17I2 - Ruptured bowel
229	F117I03	Num	8	17I3 - Crohn's disease
230	F117I04	Num	8	17I4 - Irritable bowel syndrome
231	F117I05	Num	8	17I5 - Diverticulosis/diverticulitis

Num	Variable	Type	Len	Label
232	F117I06	Num	8	17I6 - Other gastrointestinal
233	F117J01	Num	8	17J1 - Uterine rupture
234	F117J02	Num	8	17J2 - Ovarian failure
235	F117J03	Num	8	17J3 - Endometriosis
236	F117J04	Num	8	17J4 - Uterine fibroids
237	F117J05	Num	8	17J5 - Premature rupture of membranes
238	F117J06	Num	8	17J6 - Other reproductive
239	F117K02	Num	8	17K2 - ADHD
240	F117K03	Num	8	17K3 - Other cognitive
241	F117K04	Num	8	17K4 - Other cognitive
242	F117L01	Num	8	17L1 - Immediate family history of TAA
243	F117L02	Num	8	17L2 - Secondary family history of TAA
244	F118	Num	8	18 - Diagnosed with diabetes
245	F118AUN	Num	8	18A - Age at onset of diabetes (unknown)
246	F118B	Num	8	18B - Insulin
247	F119	Num	8	19 - Ever diagnosed with cancer
248	F1191CUN	Num	8	191C - Cancer #1 age at onset (unknown)
249	F1191D	Num	8	191D - Cancer #1 metastatic
250	F1192CUN	Num	8	192C - Cancer #2 age at onset (unknown)
251	F1192D	Num	8	192D - Cancer #2 metastatic
252	F1193CUN	Num	8	193C - Cancer #3 age at onset (unknown)
253	F1193D	Num	8	193D - Cancer #3 metastatic
254	F120	Num	8	20 - Family members enrolled in registry
255	F121A	Num	8	21A - Beta blockers
256	F121B	Num	8	21B - Losartan
257	F121C	Num	8	21C - Other ARB
258	F121D	Num	8	21D - ACE Inhibitor
259	F121E	Num	8	21E - Statins
260	F121F	Num	8	21F - Verapamil or Diltiazem
261	F121G	Num	8	21G - Other CA+ channel blocker
262	F121H	Num	8	21H - Other BP lowering drug
263	F122	Num	8	22 - Patient ever undergone cardiovascular related surgery
264	F122A	Num	8	22A - Coronary artery bypass
265	F122B	Num	8	22B - Aortic valve repair or replacement
266	F122C	Num	8	22C - Isolated aortic valve replacement
267	F122D	Num	8	22D - Aortic root replacement
268	F122E	Num	8	22E - Valve-sparing aortic root replacement
269	F122F	Num	8	22F - Ascending aortic replacement
270	F122G	Num	8	22G - Aortic arch replacement

Num	Variable	Type	Len	Label
271	F122H	Num	8	22H - Mitral valve repair replacement
272	F122I	Num	8	22I - Coarctation repair
273	F122J	Num	8	22J - Pacemaker/ICD implantation
274	F122K	Num	8	22K - Descending thoracic aortic replacement
275	F122L	Num	8	22L - Thoracoabdominal aortic replacement
276	F122M	Num	8	22M - Open arterial bypass
277	F122N	Num	8	22N - Repair of pectus deformity
278	F122O	Num	8	22O - Percutaneous/endovascular intervention
279	F122P	Num	8	22P - Aorta to pulmonary shunt
280	F122Q	Num	8	22Q - TOF repair
281	F122R	Num	8	22R - Pulmonary valve replacement
282	F122S	Num	8	22S - Tricuspid valve surgery
283	F122T	Num	8	22T - Other surgical intervention
284	F123	Num	8	23 - Status and FU for this patient
285	F1241	Num	8	24 - Source - records/tests at your institution
286	F1242	Num	8	24 - Source - records/tests done elsewhere
287	F1243	Num	8	24 - Source - patient interviews and clinical history
288	F1244	Num	8	24 - Source - Direct patient interview specifically for this study
289	F125UN	Num	8	25 - Patient not seen at this institution
290	f106_days	Num	8	Birth date (days to enrollment)
291	f105a_months	Num	8	5A - Date of earliest ascending abnormality (months to enrollment). Estimated when mth & yr are reported
292	f105b_months	Num	8	5B - Date of earliest arch abnormality (months to enrollment). Estimated when mth & yr are reported
293	f105c_months	Num	8	5C - Date of earliest descending abnormality (months to enrollment). Estimated when mth & yr are reported
294	f105d_months	Num	8	5D - Date of earliest abdominal abnormality (months to enrollment). Estimated when mth & yr are reported
295	f105e_months	Num	8	5E -Date of earliest sinus abnormality (months to enrollment). Estimated when mth & yr are reported
296	f121a_months	Num	8	21A - Beta blockers Earliest start date (months to enrollment). Estimated when mth & yr are reported
297	f121b_months	Num	8	21B - Losartan Earliest start date (months to enrollment). Estimated when mth & yr are reported
298	f121c_months	Num	8	21C - Other ARB Earliest start date (months to enrollment). Estimated when mth & yr are reported
299	f121d_months	Num	8	21D - ACE Inhibitor Earliest start date (months to enrollment). Estimated when mth & yr are reported
300	f121e_months	Num	8	21E - Statins Earliest start date (months from enrollment). Estimated when mth & yr are reported
301	f121f_months	Num	8	21F - Verapamil or Diltiazem Earliest start date (months to enrollment). Estimated when mth & yr are reported
302	f121g_months	Num	8	21G - Other CA+ channel blocker Earliest start date (months to enrollment). Estimated only when mth & yr are reported
303	f121h_months	Num	8	21H - Other BP lowering drug (months to enrollment). Estimated when mth & yr are reported
304	f1081	Num	8	8 - White
305	f1082	Num	8	8 - Black/African American



<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
306	f1083	Num	8	8 - Asian
307	f1084	Num	8	8 - American Indian/Alaska Native
308	f1085	Num	8	8 - Native Hawaiian/Pacific Islander
309	f1086	Num	8	8 - Unknown

**Data Set Name: gentacform1new.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F102	Num	8	2 - Approximate age at diagnosis
3	F105AYY	Num	8	5A - Date of earliest ascending abnormality (year)
4	F105BYY	Num	8	5B - Date of earliest arch abnormality (year)
5	F105CYY	Num	8	5C - Date of earliest descending abnormality (year)
6	F105DYY	Num	8	5D - Date of earliest abdominal abnormality (year)
7	F105EYY	Num	8	5E - Date of earliest sinus abnormality (year)
8	F110	Num	8	10 - Height (cm)
9	F110a	Num	8	10 - Height (ft)
10	F110b	Num	8	10 - Height (in)
11	F111	Num	8	11 - Weight (kg)
12	F111a	Num	8	11 - Weight (lb)
13	F112	Num	8	12 - Arm span (cm)
14	F112a	Num	8	12 - Arm span (in)
15	F113	Num	8	13 - Lower segment (cm)
16	F113a	Num	8	13 - Lower segment (in)
17	F114	Num	8	14 - Heart Rate (beats/min)
18	F115S	Num	8	15 - Systolic blood pressure
19	F115D	Num	8	15 - Diastolic blood pressure
20	F117F09S	Char	500	17F9 - Hernia (specify)
21	F118A	Num	8	18A - Age at onset of diabetes
22	F1191A	Char	500	191A - Cancer #1 type
23	F1191B	Char	500	191B - Cancer #1 location
24	F1191C	Num	8	191C - Cancer #1 age at onset
25	F1192A	Char	50	192A - Cancer #2 type
26	F1192B	Char	50	192B - Cancer #2 location
27	F1192C	Num	8	192C - Cancer #2 age at onset
28	F120A1	Char	50	20A1 - Registry ID number
29	F120A2	Num	8	20A2 - Relationship code
30	F120B1	Char	50	20B1 - Registry ID number
31	F120B2	Num	8	20B2 - Relationship code
32	F120C1	Char	50	20C1 - Registry ID number
33	F120C2	Num	8	20C2 - Relationship code
34	F120D1	Char	50	20D1 - Registry ID number
35	F120D2	Num	8	20D2 - Relationship code
36	F120E1	Char	50	20E1 - Registry ID number

Num	Variable	Type	Len	Label
37	F120E2	Num	8	20E2 - Relationship code
38	F120F1	Char	50	20F1 - Registry ID number
39	F120F2	Num	8	20F2 - Relationship code
40	F121AYY	Num	8	21A - Beta blockers (year)
41	F121BYY	Num	8	21B - Losartan (year)
42	F121CYY	Num	8	21C - Other ARB (year)
43	F121DYY	Num	8	21D - ACE Inhibitor (year)
44	F121EYY	Num	8	21E - Statins (year)
45	F121FYY	Num	8	21F - Verapamil or Diltiazem (year)
46	F121GYY	Num	8	21G - Other CA+ channel blocker (year)
47	F121HYY	Num	8	21H - Other BP lowering drug (year)
48	F122AYY	Num	8	22A - Coronary artery bypass (year)
49	F122BYY	Num	8	22B - Aortic valve repair or replacement (year)
50	F122CYY	Num	8	22C - Isolated aortic valve replacement (year)
51	F122DYY	Num	8	22D - Aortic root replacement (year)
52	F122EYY	Num	8	22E - Valve-sparing aortic root replacement (year)
53	F122FYY	Num	8	22F - Ascending aortic replacement (year)
54	F122GYY	Num	8	22G - Aortic arch replacement (year)
55	F122HYY	Num	8	22H - Mitral valve repair replacement (year)
56	F122IYY	Num	8	22I - Coarctation repair (year)
57	F122JYY	Num	8	22J - Pacemaker/ICD implantation (year)
58	F122KYY	Num	8	22K - Descending thoracic aortic replacement (year)
59	F122LYY	Num	8	22L - Thoracoabdominal aortic replacement (year)
60	F122MYY	Num	8	22M - Open arterial bypass (year)
61	F122NYY	Num	8	22N - Repair of pectus deformity (year)
62	F122OYY	Num	8	22O - Percutaneous/endovascular intervention (year)
63	F122PYY	Num	8	22P - Aorta to pulmonary shunt (year)
64	F122QYY	Num	8	22Q - TOF repair (year)
65	F122RYY	Num	8	22R - Pulmonary valve replacement (year)
66	F122SYY	Num	8	22S - Tricuspid valve surgery (year)
67	F122TYY	Num	8	22T - Other surgical intervention (year)
68	F122B1	Num	8	Number of surgical intervention forms
69	F125	Num	8	25 - Year patient first seen at institution
70	F101A	Num	8	1A - Marfan syndrome
71	F101A_S	Num	8	1A - Marfan syndrome (secondary diagnosis)
72	F101B	Num	8	1B - Turner syndrome
73	F101B_S	Num	8	1B - Turner syndrome (secondary diagnosis)
74	F101C	Num	8	1C - Ehlers-Danlos syndrome, vascular
75	F101C_S	Num	8	1C - Ehlers-Danlos syndrome, vascular (secondary diagnosis)

Num	Variable	Type	Len	Label
76	F101D	Num	8	1D - Ehlers-Danlos syndrome, other
77	F101D_S	Num	8	1D - Ehlers-Danlos syndrome, other (secondary diagnosis)
78	F101E	Num	8	1E - Loeys-Dietz syndrome
79	F101E_S	Num	8	1E - Loeys-Dietz syndrome (secondary diagnosis)
80	F101F	Num	8	1F - FBN1, TGFBR1 or TGFBR2 genetic mutation
81	F101F_S	Num	8	1F - FBN1, TGFBR1 or TGFBR2 genetic mutation (secondary diagnosis)
82	F101G	Num	8	1G - Bicuspid aortic valve w/out family history
83	F101G_S	Num	8	1G - Bicuspid aortic valve w/out family history (secondary diagnosis)
84	F101H	Num	8	1H - Bicuspid aortic valve w/ family history
85	F101H_S	Num	8	1H - Bicuspid aortic valve w/ family history (secondary diagnosis)
86	F101N	Num	8	1N - BAV with coarctation
87	F101N_S	Num	8	1N - BAV with coarctatio (secondary diagnosis)
88	F101I	Num	8	1I - Shprintzen-Goldberg syndrome
89	F101I_S	Num	8	1I - Shprintzen-Goldberg syndrome (secondary diagnosis)
90	F101J	Num	8	1J - Familial Thoracic Aortic Aneurysm and Dissection
91	F101J_S	Num	8	1J - Familial Thoracic Aortic Aneurysm and Dissection (secondary diagnosis)
92	F101K	Num	8	1K - Other due to trama (<40 years old)
93	F101K_S	Num	8	1K - Other due to trama (<40 years old) (secondary diagnosis)
94	F101L	Num	8	1L - Other congenital heart disease w/ family history
95	F101L_S	Num	8	1L - Other congenital heart disease w/ family history (secondary diagnosis)
96	F101M	Num	8	1M - 1st or 2nd degree family member of proband already enrolled in GenTAC
97	F101M_S	Num	8	1M - 1st or 2nd degree family member of proband already enrolled in GenTAC (secondary diagnosis)
98	F102UN	Num	8	2 - Approximate age at diagnosis (unknown)
99	F104	Num	8	4 - Patient ever diagnosed w/ thoracic aortic aneurysm, dissection/rupture, or tortuosity
100	F105A1	Num	8	5A1 - Ascending always normal
101	F105A2	Num	8	5A2 - Ascending ever tortuous
102	F105A3	Num	8	5A3 - Ascending ever dilated
103	F105A4	Num	8	5A4 - Ascending ever dissected
104	F105A5	Num	8	5A5 - Ascending unknown
105	F105B1	Num	8	5B1 - Arch always normal
106	F105B2	Num	8	5B2 - Arch ever tortuous
107	F105B3	Num	8	5B3 - Arch ever dilated
108	F105B4	Num	8	5B4 - Arch ever dissected
109	F105B5	Num	8	5B5 - Arch unknown
110	F105C1	Num	8	5C1 - Descending always normal
111	F105C2	Num	8	5C2 - Descending ever tortuous
112	F105C3	Num	8	5C3 - Descending ever dilated
113	F105C4	Num	8	5C4 - Descending ever dissected
114	F105C5	Num	8	5C5 - Descending unknown

Num	Variable	Type	Len	Label
115	F105D1	Num	8	5D1 - Abdominal always normal
116	F105D2	Num	8	5D2 - Abdominal ever tortuous
117	F105D3	Num	8	5D3 - Abdominal ever dilated
118	F105D4	Num	8	5D4 - Abdominal ever dissected
119	F105D5	Num	8	5D5 - Abdominal unknown
120	F105E1	Num	8	5E1 - Sinus of Valsalva always normal
121	F105E2	Num	8	5E2 - Sinus of Valsalva ever tortuous
122	F105E3	Num	8	5E3 - Sinus of Valsalva ever dilated
123	F105E4	Num	8	5E4 - Sinus of Valsalva ever dissected
124	F105E5	Num	8	5E5 - Sinus of Valsalva unknown
125	F117A01	Num	8	17A1 - Pectus carinatum
126	F117A02	Num	8	17A2 - Pectus excavatum
127	F117A03	Num	8	17A3 - Shield chest
128	F117A04	Num	8	17A4 - Recurrent dislocations/subluxations
129	F117A05	Num	8	17A5 - Joint hypermobility in >1 joint
130	F117A06	Num	8	17A6 - Wrist sign
131	F117A07	Num	8	17A7 - Scoliosis that is clinically evident
132	F117A08	Num	8	17A8 - Abnormal kyphoscoliosis/lordosis
133	F117A09	Num	8	17A9 - Pes planus
134	F117A11	Num	8	17A11 - Osteopenia/osteoporosis
135	F117A12	Num	8	17A12 - Congenital bilateral dislocated hips
136	F117A15	Num	8	17A15 - Joint pain, arthralgia
137	F117A16	Num	8	17A16 - Thumb sign
138	F117A21	Num	8	17A21 - Clubfoot
139	F117A22	Num	8	17A22 - Reduced elbow extension (<170°)
140	F117A23	Num	8	17A23 - Long fingers, arachnodactyly
141	F117A27	Num	8	17A27 - Genu recurvatum
142	F117B01	Num	8	17B1 - Pneumothorax
143	F117B02	Num	8	17B2 - Asthma
144	F117C01	Num	8	17C1 - Patent ductus arteriosus
145	F117C02	Num	8	17C2 - Atrial septal defect (ASD)/PFO
146	F117C03	Num	8	17C3 - Ventricular septal defect (VSD)
147	F117C04	Num	8	17C4 - Tetralogy of Fallot
148	F117C05	Num	8	17C5 - Other congenital heart defect
149	F117C06	Num	8	17C6 - Mitral valve prolapse
150	F117C07	Num	8	17C7 - Mitral valve stenosis
151	F117C08	Num	8	17C8 - Mitral valve regurgitation > trace
152	F117C09	Num	8	17C9 - Calcified mitral annulus
153	F117C10	Num	8	17C10 - Aortic valve regurgitation

Num	Variable	Type	Len	Label
154	F117C11	Num	8	17C11 - Aortic valve stenosis
155	F117C12	Num	8	17C12 - Aortic coarctation, current/repared
156	F117C13	Num	8	17C13 - Bicuspid aortic valve (BAV)
157	F117C14	Num	8	17C14 - Tricuspid regurgitation > trace
158	F117C15	Num	8	17C15 - Pulmonary stenosis/right ventricular outflow obstruction
159	F117C16	Num	8	17C16 - Pulmonary regurgitation > trace
160	F117C18	Num	8	17C18 - Endocarditis
161	F117C19	Num	8	17C19 - Atrial arrhythmia
162	F117C20	Num	8	17C20 - Cardiac arrhythmia (not atrial)
163	F117C21	Num	8	17C21 - Coronary dissection
164	F117C22	Num	8	17C22 - Coronary ectasia
165	F117C23	Num	8	17C23 - Carotid dissection
166	F117C24	Num	8	17C24 - Symptomatic coronary artery disease
167	F117C26	Num	8	17C26 - Congestive heart failure/left ventricular function
168	F117C27	Num	8	17C27 - Left ventricular dilation
169	F117C28	Num	8	17C28 - Left ventricular hypertrophy
170	F117C29	Num	8	17C29 - Right ventricular hypertrophy
171	F117C30	Num	8	17C30 - Right ventricular dysfunction/failure
172	F117C31	Num	8	17C31 - Dilatation of the pulmonary artery
173	F117C32	Num	8	17C32 - Other pulmonary artery abnormality
174	F117C33	Num	8	17C33 - Other Pulmonary
175	F117D01	Num	8	17D1 - High palate/dental crowding
176	F117D02	Num	8	17D2 - Dolicocephaly
177	F117D03	Num	8	17D3 - Malar hypoplasia
178	F117D04	Num	8	17D4 - Enophthalmos
179	F117D05	Num	8	17D5 - Retrognathia
180	F117D06	Num	8	17D6 - Down-slanting palpebral fissures
181	F117D07	Num	8	17D7 - Cleft palate
182	F117D08	Num	8	17D8 - Bifid or broad-based uvula
183	F117D09	Num	8	17D9 - Craniosynostosis
184	F117EXMN	Num	8	F117E - Examiner type
185	F117LAMP	Num	8	F117E - Slit lamp exam
186	F117E01	Num	8	17E1 - Lens dislocation
187	F117E02	Num	8	17E2 - Glaucome
188	F117E04	Num	8	17E4 - Hypertelorism
189	F117E05	Num	8	17E5 - Retinal detachment
190	F117E06	Num	8	17E6 - Amblyopia
191	F117E07	Num	8	17E7 - Strabismus
192	F117E09	Num	8	17E9 - Myopia >4 diopters

Num	Variable	Type	Len	Label
193	F117E10	Num	8	17E10 - Cataracts, <50 years of age
194	F117E11	Num	8	17E11 - Iris Flocculi
195	F117E12	Num	8	17E12 - Blue/grey sclera
196	F117E15	Num	8	17E15 - Iridodonesis
197	F117F01	Num	8	17F1 - Skin hyperextensibility
198	F117F02	Num	8	17F2 - Wide atrophic scars
199	F117F03	Num	8	17F3 - Poor wound healing
200	F117F04	Num	8	17F4 - Easy bruising
201	F117F05	Num	8	17F5 - Soft, velvety or doughy skin
202	F117F06	Num	8	17F6 - Tissue fragility
203	F117F08	Num	8	17F8 - Striae atrophicae
204	F117F09	Num	8	17F9 - Hernia
205	F117F10	Num	8	17F10 - Recurrent hernia
206	F117F11	Num	8	17F11 - Thin translucent skin
207	F117F12	Num	8	17F12 - Webbed neck
208	F117G01	Num	8	17G1 - Lumbosacral dural ectasia
209	F117G02	Num	8	17G2 - Hemorrhagic stroke
210	F117G03	Num	8	17G3 - Ischemic stroke
211	F117G04	Num	8	17G4 - Stroke, type unknown
212	F117G05	Num	8	17G5 - Arnold-Chiari malformation
213	F117G06	Num	8	17G6 - Migraines
214	F117G07	Num	8	17G7 - Cerebral aneurysms
215	F117H01	Num	8	17H1 - Early-onset varicose veins, <40 years of age
216	F117H02	Num	8	17H2 - Arteriovenous malformation
217	F117H03	Num	8	17H3 - Arterial rupture
218	F117H04	Num	8	17H4 - Lymphedema
219	F117I01	Num	8	17I1 - Ulcerative colitis
220	F117I02	Num	8	17I2 - Ruptured bowel
221	F117I03	Num	8	17I3 - Crohn's disease
222	F117I04	Num	8	17I4 - Irritable bowel syndrome
223	F117I05	Num	8	17I5 - Diverticulosis/diverticulitis
224	F117J01	Num	8	17J1 - Uterine rupture
225	F117J02	Num	8	17J2 - Ovarian failure
226	F117J03	Num	8	17J3 - Endometriosis
227	F117J04	Num	8	17J4 - Uterine fibroids
228	F117J05	Num	8	17J5 - Premature rupture of membranes
229	F117J06	Num	8	17J6 - Other reproductive
230	F117K01	Num	8	17K1 - Learning disability
231	F117K02	Num	8	17K2 - ADHD

Num	Variable	Type	Len	Label
232	F117K03	Num	8	17K3 - Other cognitive
233	F117K04	Num	8	17K4 - Other cognitive
234	F117L01	Num	8	17L1 - Immediate family history of TAA
235	F117L02	Num	8	17L2 - Secondary family history of TAA
236	F118	Num	8	18 - Diagnosed with diabetes
237	F118AUN	Num	8	18A - Age at onset of diabetes (unknown)
238	F118B	Num	8	18B - Insulin
239	F119	Num	8	19 - Ever diagnosed with cancer
240	F1191CUN	Num	8	191C - Cancer #1 age at onset (unknown)
241	F1191D	Num	8	191D - Cancer #1 metastatic
242	F1192CUN	Num	8	192C - Cancer #2 age at onset (unknown)
243	F1192D	Num	8	192D - Cancer #2 metastatic
244	F120	Num	8	20 - Family members enrolled in registry
245	F121A	Num	8	21A - Beta blockers
246	F121B	Num	8	21B - Losartan
247	F121C	Num	8	21C - Other ARB
248	F121D	Num	8	21D - ACE Inhibitor
249	F121E	Num	8	21E - Statins
250	F121F	Num	8	21F - Verapamil or Diltiazem
251	F121G	Num	8	21G - Other CA+ channel blocker
252	F121H	Num	8	21H - Other BP lowering drug
253	F122	Num	8	22 - Patient ever undergone cardiovascular related surgery
254	F122A	Num	8	22A - Coronary artery bypass
255	F122B	Num	8	22B - Aortic valve repair or replacement
256	F122C	Num	8	22C - Isolated aortic valve replacement
257	F122D	Num	8	22D - Aortic root replacement
258	F122E	Num	8	22E - Valve-sparing aortic root replacement
259	F122F	Num	8	22F - Ascending aortic replacement
260	F122G	Num	8	22G - Aortic arch replacement
261	F122H	Num	8	22H - Mitral valve repair replacement
262	F122I	Num	8	22I - Coarctation repair
263	F122J	Num	8	22J - Pacemaker/ICD implantation
264	F122K	Num	8	22K - Descending thoracic aortic replacement
265	F122L	Num	8	22L - Thoracoabdominal aortic replacement
266	F122M	Num	8	22M - Open arterial bypass
267	F122N	Num	8	22N - Repair of pectus deformity
268	F122O	Num	8	22O - Percutaneous/endovascular intervention
269	F122P	Num	8	22P - Aorta to pulmonary shunt
270	F122Q	Num	8	22Q - TOF repair



Num	Variable	Type	Len	Label
271	F122R	Num	8	22R - Pulmonary valve replacement
272	F122S	Num	8	22S - Tricuspid valve surgery
273	F122T	Num	8	22T - Other surgical intervention
274	F122B2	Num	8	Number of surgical intervention forms (unknown)
275	F1241	Num	8	24 - Source - records/tests at your institution
276	F1242	Num	8	24 - Source - records/tests done elsewhere
277	F1243	Num	8	24 - Source - patient interviews and clinical history
278	F1244	Num	8	24 - Source - Direct patient interview specifically for this study
279	F125UN	Num	8	25 - Patient not seen at this institution
280	f105a_months	Num	8	5A - Date of earliest ascending abnormality (months to enrollment). Estimated when mth & yr are reported
281	f105b_months	Num	8	5B - Date of earliest arch abnormality (months to enrollment). Estimated when mth & yr are reported
282	f105c_months	Num	8	5C - Date of earliest descending abnormality (months to enrollment). Estimated when mth & yr are reported
283	f105d_months	Num	8	5D - Date of earliest abdominal abnormality (months to enrollment). Estimated when mth & yr are reported
284	f105e_months	Num	8	5E - Date of earliest sinus abnormality (months to enrollment). Estimated when mth & yr are reported
285	f121a_months	Num	8	21A - Beta blockers Earliest start date (months to enrollment). Estimated when mth & yr are reported
286	f121b_months	Num	8	21B - Losartan Earliest start date (months to enrollment). Estimated when mth & yr are reported
287	f121c_months	Num	8	21C - Other ARB Earliest start date (months to enrollment). Estimated when mth & yr are reported
288	f121d_months	Num	8	21D - ACE Inhibitor Earliest start date (months to enrollment). Estimated when mth & yr are reported
289	f121e_months	Num	8	21E - Statins Earliest start date (months from enrollment). Estimated when mth & yr are reported
290	f121f_months	Num	8	21F - Verapamil or Diltiazem Earliest start date (months to enrollment). Estimated when mth & yr are reported
291	f121g_months	Num	8	21G - Other CA+ channel blocker Earliest start date (months to enrollment). Estimated only when mth & yr are reported
292	f121h_months	Num	8	21H - Other BP lowering drug (months to enrollment). Estimated when mth & yr are reported
293	f122a_months	Num	8	22A - Coronary artery bypass (months to enrollment). Estimated when mth & yr are reported
294	f122b_months	Num	8	22B - Aortic valve repair or replacement (months to enrollment). Estimated when mth & yr are reported
295	f122c_months	Num	8	22C - Isolated aortic valve replacement (months to enrollment). Estimated when mth & yr are reported
296	f122d_months	Num	8	22D - Aortic root replacement (months to enrollment). Estimated when mth & yr are reported
297	f122e_months	Num	8	22E - Valve-sparing aortic root replacement (months to enrollment). Estimated when mth & yr are reported
298	f122f_months	Num	8	22F - Ascending aortic replacement (months to enrollment). Estimated when mth & yr are reported
299	f122g_months	Num	8	22G - Aortic arch replacement (months to enrollment). Estimated when mth & yr are reported
300	f122h_months	Num	8	22H - Mitral valve repair replacement (months to enrollment). Estimated when mth & yr are reported
301	f122i_months	Num	8	22I - Coarctation repair (months to enrollment). Estimated when mth & yr are reported
302	f122j_months	Num	8	22J - Pacemaker/ICD implantation (months to enrollment). Estimated when mth & yr are reported
303	f122k_months	Num	8	22K - Descending thoracic aortic replacement (months to enrollment). Estimated when mth & yr are reported

Num	Variable	Type	Len	Label
304	f122l_months	Num	8	22L - Thoracoabdominal aortic replacement (months to enrollment). Estimated when mth & yr are reported
305	f122m_months	Num	8	22M - Open arterial bypass (months to enrollment). Estimated when mth & yr are reported
306	f122n_months	Num	8	22N - Repair of pectus deformity (months to enrollment). Estimated when mth & yr are reported
307	f122o_months	Num	8	22O - Percutaneous/endovascular intervention (months to enrollment). Estimated when mth & yr are reported
308	f122p_months	Num	8	22P - Aorta to pulmonary shunt (months to enrollment). Estimated when mth & yr are reported
309	f122q_months	Num	8	22Q - TOF repair (months to enrollment). Estimated when mth & yr are reported
310	f122r_months	Num	8	22R - Pulmonary valve replacement (months to enrollment). Estimated when mth & yr are reported
311	f122s_months	Num	8	22S - Tricuspid valve surgery (months to enrollment). Estimated when mth & yr are reported
312	f122t_months	Num	8	22T - Other surgical intervention (months to enrollment). Estimated when mth & yr are reported

**Data Set Name: gentacform2.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F2_YY	Num	8	Today's Date (year)
3	F2A01YY	Num	8	A1 - Birth Date (year)
4	F2C04	Num	8	C4 - Total number years smoked cig.
5	F2E03A	Char	20	E3A - Strenuous activities (hrs/wk)
6	F2E03B	Char	20	E3B - Moderate activities (hrs/wk)
7	F2E03C	Char	20	E3C - Slight activity (hrs/wk)
8	F2E05A	Num	8	E5A - Cut down on time spent on work/activities
9	F2E05B	Num	8	E5B - Accomplished less than would like
10	F2E05C	Num	8	E5C - Limited in the kind of work/activities
11	F2E05D	Num	8	E5D - Difficulty performing work/activities
12	F2E08A	Num	8	E8A - Get sick easier than others
13	F2E08B	Num	8	E8B - Am as healthy as anyone I know
14	F2E08C	Num	8	E8C - Expect my health to worsen
15	F2E08D	Num	8	E8D - Health is excellent
16	F2F01	Num	8	F1 - Average hours sleep a night
17	F2H03	Num	8	H3 - Number times pregnant
18	F2J0101A	Num	8	J11 - Marfan (age at diagnosis)
19	F2J0102A	Num	8	J12 - Turner syndrome (age at diagnosis)
20	F2J0103A	Num	8	J13 - Ehlers-Danlos (age at diagnosis)
21	F2J0104A	Num	8	J14 - Loeys-Dietz (age at diagnosis)
22	F2J0105A	Num	8	J15 - FBN1, TGFBR1, TGFBR2 (age diag)
23	F2J0106A	Num	8	J16 - Bicuspid aortic valve (age diagnosis)
24	F2J0151A	Num	8	J151 - Coarctation (age)
25	F2J0107A	Num	8	J17 - Shprintzen-Goldberg (age diagnosis)
26	F2J0150A	Num	8	J150 - Thoracic aortic aneurysm or dissection (age)
27	F2J0108A	Num	8	J18 - Heart murmur (age at diagnosis)
28	F2J0109A	Num	8	J19 - Heart palpitation (age at diagnosis)
29	F2J0110A	Num	8	J110 - Angina (age at diagnosis)
30	F2J0111A	Num	8	J111 - Heart attack (age at diagnosis)
31	F2J0112A	Num	8	J112 - Atherosclerosis (age at diagnosis)
32	F2J0113A	Num	8	J113 - Heart infection (age at diagnosis)
33	F2J0114A	Num	8	J114 - Cardiomyopathy (age at diagnosis)
34	F2J0115A	Num	8	J115 - Congenital heart disease (age diag)
35	F2J0116A	Num	8	J116 - Other heart disease (age diagnosis)
36	F2J0117A	Num	8	J117 - Hypertension (age at diagnosis)

Num	Variable	Type	Len	Label
37	F2J0118A	Num	8	J118 - Stroke (age at diagnosis)
38	F2J0119A	Num	8	J119 - Aneurysms outside aorta (age diag)
39	F2J0120A	Num	8	J120 - Asthma (age at diagnosis)
40	F2J0121A	Num	8	J121 - Emphysema (age at diagnosis)
41	F2J0122A	Num	8	J122 - Pneumonia (age at diagnosis)
42	F2J0123A	Num	8	J123 - Pneumothorax (age at diagnosis)
43	F2J0124A	Num	8	J124 - Other lung disease (age diag)
44	F2J0125A	Num	8	J125 - Cancer (age at diagnosis)
45	F2J0126A	Num	8	J126 - Cancer (age at diagnosis)
46	F2J0127A	Num	8	J127 - Diabetes (age at diagnosis)
47	F2J0128A	Num	8	J128 - Bleeding disorder (age diagnosis)
48	F2J0129A	Num	8	J129 - Blood clotting disorder (age diag)
49	F2J0130A	Num	8	J130 - Endometriosis (age at diag)
50	F2J0131A	Num	8	J131 - Uterine fibroids (age at diagnosis)
51	F2J0132A	Num	8	J132 - Raynaud syndrome (age diagnosis)
52	F2J0133A	Num	8	J133 - Liver disease (age at diagnosis)
53	F2J0134A	Num	8	J134 - Digestive problems (agea diagnosis)
54	F2J0135A	Num	8	J135 - Rheumatoid arthritis (age diagnosis)
55	F2J0136A	Num	8	J136 - Ankylosing spondylitis (age diag)
56	F2J0137A	Num	8	J137 - Arthritis, other (age at diagnosis)
57	F2J0138A	Num	8	J138 - Lupus (age at diagnosis)
58	F2J0139A	Num	8	J139 - Scleroderma (age at diagnosis)
59	F2J0140A	Num	8	J140 - Other autoimmune (age diagnosis)
60	F2J0141A	Num	8	J141 - Joint dislocation (age diagnosis)
61	F2J0142A	Num	8	J142 - Other joint disease (age diagnosis)
62	F2J0143A	Num	8	J143 - Kidney disease (age diagnosis)
63	F2J0144A	Num	8	J144 - Nerve disease (age diagnosis)
64	F2J0145A	Num	8	J145 - Memory loss/problems (age diag)
65	F2J0146A	Num	8	J146 - Learning problems (age diagnosis)
66	F2J0147A	Num	8	J147 - Depression (age diagnosis)
67	F2J0149A	Num	8	J149 - Other important health concern (age)
68	F2J0148A	Num	8	J148 - Other mental health concern (age)
69	F2K2A	Num	8	K2A - Number aspirin taken per week
70	F2K3A	Num	8	K3A - Number NSAIDS taken per week
71	F2K4A	Num	8	K4A - Number celebrex per week
72	F2A02	Num	8	A2 - Gender
73	F2A04	Num	8	A4 - Hispanic origin
74	F2A05	Num	8	A5 - Highest education
75	F2A06	Num	8	A6 - Marital status

Num	Variable	Type	Len	Label
76	F2A07	Num	8	A7 - Health insurance
77	F2A07A	Num	8	A7A - Type of insurance
78	F2A08	Num	8	A8 - Household income
79	F2A09	Num	8	A9 - Primary current employment status
80	under_18	Num	8	Under 18 y.o
81	F2B01	Num	8	B1 - Alcohol last 12 months (how often)
82	F2B02	Num	8	B2 - Alcohol last 12 months (how many)
83	F2C01	Num	8	C1 - 100+ cigarettes in lifetime
84	F2C02	Num	8	C2 - Smoke cigarettes now
85	F2C03	Num	8	C3 - Average cigarettes each day
86	F2D01	Num	8	D1 - Crack cocaine
87	F2D02	Num	8	D2 - Other cocaine, like powder
88	F2D03	Num	8	D3 - Stimulants
89	F2D04	Num	8	D4 - Narcotics
90	F2D05	Num	8	D5 - Hallucinogens
91	F2D06	Num	8	D6 - Cannabis
92	F2D07	Num	8	D7 - Tranquilizers
93	F2D08	Num	8	D8 - Depressants
94	F2D09	Num	8	D9 - Inhalants
95	F2D10	Num	8	D10 - Psychotropic or antidepressants
96	F2D11	Num	8	D11 - Anabolic steroids
97	F2D12	Num	8	D12 - 2 or more drugs taken together
98	F2D13	Num	8	D13 - Other
99	F2D14	Num	8	D14 - Other
100	F2E01	Num	8	E1 - Overall health
101	F2E02	Num	8	E2 - Health compared to a year ago
102	F2E04A1	Num	8	E4A - Vigorous activities limited
103	F2E04J1	Num	8	E4J - Bathing/dressing self limited
104	F2E04B1	Num	8	E4B - Moderate activities limited
105	F2E04C1	Num	8	E4C - Lifting limited
106	F2E04D1	Num	8	E4D - Climbing several flights stairs limited
107	F2E04E1	Num	8	E4E - Climbing one flight stairs limited
108	F2E04F1	Num	8	E4F - Bending or kneeling limited
109	F2E04G1	Num	8	E4G - Walking >1 mile limited
110	F2E04H1	Num	8	E4H - Walking several 100 yards limited
111	F2E04I1	Num	8	E4I - Walking 100 yards limited
112	F2E04I2	Num	8	E4I - Walking 100 yards limited by doc
113	F2E04H2	Num	8	E4H - Walking several 100 yards limited by doc
114	F2E04G2	Num	8	E4G - Walking >1 mile limited by doc

Num	Variable	Type	Len	Label
115	F2E04F2	Num	8	E4F - Bending or kneeling limited by doc
116	F2E04E2	Num	8	E4E - Climbing one flight stairs limited by doc
117	F2E04D2	Num	8	E4D - Climbing several flights stairs limited by doc
118	F2E04C2	Num	8	E4C - Lifting limited by doc
119	F2E04B2	Num	8	E4B - Moderate activities limited by doc
120	F2E04J2	Num	8	E4J - Bathing/dressing self limited by doc
121	F2E04A2	Num	8	E4A - Vigorous activities limited by doc
122	F2E06	Num	8	E6 - Bodily pain past 4 weeks
123	F2E07	Num	8	E7 - Pain interfere w/ normal work past 4 weeks
124	F2F02	Num	8	F2 - Trouble sleeping
125	F2F03	Num	8	F3 - Wake up several times a night
126	F2F04	Num	8	F4 - Others complain about snoring
127	F2G01	Num	8	G1 - Hearing Aid
128	F2G02	Num	8	G2 - Difficulty hearing TV/radio
129	F2G03	Num	8	G3 - Eyeglasses or contact lenses
130	F2G04	Num	8	G4 - Vision w/out glasses or contacts
131	MaleQ	Num	8	Male?
132	F2H01	Num	8	H1- Ever pregnant
133	F2H02	Num	8	H2 - Currently pregnant
134	F2J0101	Num	8	J11 - Marfan
135	F2J0102	Num	8	J12 - Turner syndrome
136	F2J0103	Num	8	J13 - Ehlers-Danlos
137	F2J0104	Num	8	J14 - Loeys-Dietz
138	F2J0105	Num	8	J15 - FBN1, TGFBR1, TGFBR2
139	F2J0106	Num	8	J16 - Bicuspid aortic valve
140	F2J0151	Num	8	J151 - Coarctation
141	F2J0107	Num	8	J17 - Shprintzen-Goldberg
142	F2J0150	Num	8	J150 - Thoracic aortic aneurysm or dissection
143	F2J0108	Num	8	J18 - Heart murmur
144	F2J0109	Num	8	J19 - Heart palpitation
145	F2J0110	Num	8	J110 - Angina
146	F2J0111	Num	8	J111 - Heart attack
147	F2J0112	Num	8	J112 - Atherosclerosis
148	F2J0113	Num	8	J113 - Heart infection
149	F2J0114	Num	8	J114 - Cardiomyopathy
150	F2J0115	Num	8	J115 - Congenital heart disease
151	F2J0116	Num	8	J116 - Other heart disease
152	F2J0117	Num	8	J117 - Hypertension
153	F2J0118	Num	8	J118 - Stroke

Num	Variable	Type	Len	Label
154	F2J0119	Num	8	J119 - Aneurysms outside aorta
155	F2J0120	Num	8	J120 - Asthma
156	F2J0121	Num	8	J121 - Emphysema
157	F2J0122	Num	8	J122 - Pneumonia
158	F2J0123	Num	8	J123 - Pneumothorax
159	F2J0124	Num	8	J124 - Other lung disease
160	F2J0125	Num	8	J125 - Cancer
161	F2J0126	Num	8	J126 - Cancer
162	F2J0127	Num	8	J127 - Diabetes
163	F2J0128	Num	8	J128 - Bleeding disorder
164	F2J0129	Num	8	J129 - Blood clotting disorder
165	F2J0130	Num	8	J130 - Endometriosis
166	F2J0131	Num	8	J131 - Uterine fibroids
167	F2J0132	Num	8	J132 - Raynaud syndrome
168	F2J0133	Num	8	J133 - Liver disease
169	F2J0134	Num	8	J134 - Digestive problems
170	F2J0135	Num	8	J135 - Rheumatoid arthritis
171	F2J0136	Num	8	J136 - Ankylosing spondylitis
172	F2J0137	Num	8	J137 - Arthritis, other
173	F2J0138	Num	8	J138 - Lupus
174	F2J0139	Num	8	J139 - Scleroderma
175	F2J0140	Num	8	J140 - Other autoimmune disease
176	F2J0141	Num	8	J141 - Joint dislocation
177	F2J0142	Num	8	J142 - Other joint disease
178	F2J0143	Num	8	J143 - Kidney disease
179	F2J0144	Num	8	J144 - Nerve disease
180	F2J0145	Num	8	J145 - Memory loss/problems
181	F2J0146	Num	8	J146 - Learning problems
182	F2J0147	Num	8	J147 - Depression
183	F2J0148	Num	8	J148 - Other mental health concern
184	F2J0149	Num	8	J149 - Other important health concern
185	F2J02	Num	8	J02 - Ever had surgery or being hospitalized for therapeutic/medical procedure
186	F2K1A01	Num	8	K1A1 - benazepril (Lotensin)
187	F2K1A02	Num	8	K1A2 - captopril (Capoten)
188	F2K1A03	Num	8	K1A3 - enalapril (Vasotec)
189	F2K1A04	Num	8	K1A4 - fosinopril (Monopril)
190	F2K1A05	Num	8	K1A5 - isinopril (Prinivil, Zestril)
191	F2K1A06	Num	8	K1A6 - moexipril (Univasc)
192	F2K1A07	Num	8	K1A7 - perindopril (Aceon)

Num	Variable	Type	Len	Label
193	F2K1A08	Num	8	K1A8 - quinapril (Accupril)
194	F2K1A09	Num	8	K1A9 - ramipril (Altace)
195	F2K1A10	Num	8	K1A10 - randolapril (Mavik)
196	F2K1A11	Num	8	K1A11 - Other ACE inhibitor
197	F2K1A12	Num	8	K1A12 - Other ACE inhibitor
198	F2K1B01	Num	8	K1B1 - candesartan (Atacand)
199	F2K1B02	Num	8	K1B2 - eprosartan (Tevetan)
200	F2K1B03	Num	8	K1B3 - irbesartan (Avapro)
201	F2K1B04	Num	8	K1B4 - losartan (Cozaar)
202	F2K1B05	Num	8	K1B5 - telmisartan (Mycardis)
203	F2K1B06	Num	8	K1B6 - valsartan (Diovan)
204	F2K1B07	Num	8	K1B7 - Other Angiotensin Blockers
205	F2K1B08	Num	8	K1B8 - Other Angiotensin Blockers
206	F2K1C01	Num	8	K1C1 - acebutolol (Sectral)
207	F2K1C02	Num	8	K1C2 - atenolol (Tenormin)
208	F2K1C03	Num	8	K1C3 - betaxolol (Kerlone)
209	F2K1C04	Num	8	K1C4 - bisoprolol fumarate (Zebeta)
210	F2K1C05	Num	8	K1C5 - carteolol hydrochloride (Cartro)
211	F2K1C06	Num	8	K1C6 - carvedilol (Coreg)
212	F2K1C07	Num	8	K1C7 - labetalol (Trandate)
213	F2K1C08	Num	8	K1C8 - metoprolol tartrate (Lopressor)
214	F2K1C09	Num	8	K1C9 - metoprolol succinate (Toprol-XL)
215	F2K1C10	Num	8	K1C10 - nadolol (Corgard)
216	F2K1C11	Num	8	K1C11 - penbutolol sulfate (Levatol)
217	F2K1C12	Num	8	K1C12 - pindolol (Visken)
218	F2K1C13	Num	8	K1C13 - propranolol hydrochloride (Inderal, Inderal LA)
219	F2K1C14	Num	8	K1C14 - Other Beta Blocker
220	F2K1C15	Num	8	K1C15 - Other Beta Blocker
221	F2K1D01	Num	8	K1D1 - bumetanide (Bumex)
222	F2K1D02	Num	8	K1D2 - chlorothiazide or CTZ (Diuril)
223	F2K1D03	Num	8	K1D3 - eplerone (Inspra)
224	F2K1D04	Num	8	K1D4 - furosemide (Lasix)
225	F2K1D05	Num	8	K1D5 - hydrochlorothiazide or HCTZ (Hydrodiuril)
226	F2K1D06	Num	8	K1D6 - indapamide (Lozol)
227	F2K1D07	Num	8	K1D7 - metolazone (Mykrox, Zaroxolyn)
228	F2K1D08	Num	8	K1D8 - spironolactone (Aldactone)
229	F2K1D09	Num	8	K1D9 - torsemide (Demadex)
230	F2K1D10	Num	8	K1D10 - Other diuretics
231	F2K1D11	Num	8	K1D11 - Other diuretics



Num	Variable	Type	Len	Label
232	F2K1E01	Num	8	K1E1 - amlodipine (Norvasc)
233	F2K1E02	Num	8	K1E2 - bepridil (Vascor)
234	F2K1E03	Num	8	K1E3 - diltiazem (Cardizem)
235	F2K1E04	Num	8	K1E4 - felodipine (Plendil)
236	F2K1E05	Num	8	K1E5 - isradipine (Dynacirc)
237	F2K1E06	Num	8	K1E6 - neifedipine (Adalat, Procardia)
238	F2K1E07	Num	8	K1E7 - nicardipine (Cardene)
239	F2K1E08	Num	8	K1E8 - nimodipine (Nimotop)
240	F2K1E09	Num	8	K1E9 - nisoldipine (Sular)
241	F2K1E10	Num	8	K1E10 - verapamil (Calan, Isoptin)
242	F2K1E11	Num	8	K1E11 - Other Calcium Blockers
243	F2K1E12	Num	8	K1E12 - Other Calcium Blockers
244	F2K1F01	Num	8	K1F1 - atorvastatin (Lipitor)
245	F2K1F02	Num	8	K1F2 - fluvastatin (Lescol)
246	F2K1F03	Num	8	K1F3 - lovastatin (Mevacor)
247	F2K1F04	Num	8	K1F4 - pravastatin (Pravachol)
248	F2K1F05	Num	8	K1F5 - rosuvastatin (Crestor)
249	F2K1F06	Num	8	K1F6 - simvastatin (Zocor)
250	F2K1F07	Num	8	K1F7 - Other Statins
251	F2K1F08	Num	8	K1F8 - Other Statins
252	F2K1G01	Num	8	K1G1 - alfuzosin (Uroxatral)
253	F2K1G02	Num	8	K1G2 - doxazosin (Cardura)
254	F2K1G03	Num	8	K1G3 - prazosin (Minipress)
255	F2K1G04	Num	8	K1G4 - tamsulosin (Flomax)
256	F2K1G05	Num	8	K1G5 - terazosin (Hytrin)
257	F2K1G06	Num	8	K1G6 - Other Alpha Blocker
258	F2K1G07	Num	8	K1G7 - Other Alpha Blocker
259	F2K1H01	Num	8	K1H1 - clonidine (Catapres)
260	F2K1H02	Num	8	K1H2 - clopidogrel (Plavex)
261	F2K1H03	Num	8	K1H3 - enoxaparin (Lovenox)
262	F2K1H04	Num	8	K1H4 - hydralizine (Hydra-Zide)
263	F2K1H05	Num	8	K1H5 - Hypoglycemics, oral
264	F2K1H06	Num	8	K1H6 - Insulin
265	F2K1H07	Num	8	K1H7 - methyl dopa (Aldomet)
266	F2K1H08	Num	8	K1H8 - Methylphenidate (Ritalin)
267	F2K1H09	Num	8	K1H9 - minoxidil (Loniten)
268	F2K1H10	Num	8	K1H10 - Nitrates
269	F2K1H11	Num	8	K1H11 - warfarin (Coumadin)
270	F2K1H12	Num	8	K1H12 - Other medications

Num	Variable	Type	Len	Label
271	F2K1H13	Num	8	K1H13 - Other medications
272	F2K1I01	Num	8	K1I1 - Other medication
273	F2K1I02	Num	8	K1I2 - Other medication
274	F2K1I03	Num	8	K1I3 - Other medication
275	F2K2	Num	8	K2 - Do you take aspirin
276	F2K3	Num	8	K3 - NSAIDS
277	F2K4	Num	8	K4 - Do you take Celebrex
278	F2S01A	Num	8	S1A - Heart bypass or coronary bypass (year)
279	F2S01B	Num	8	S1B - Aortic root replacement (year)
280	F2S01C	Num	8	S1C - Aortic arch replacement (year)
281	F2S01D	Num	8	S1D - Ascending aortic replacement (year)
282	F2S01E	Num	8	S1E - Aortic valve repair (valve-replacing) (year)
283	F2S01F	Num	8	S1F - Aortic valve repair (non-root) (year)
284	F2S01G	Num	8	S1G - Valve-sparing aortic root replacement (year)
285	F2S01H	Num	8	S1H - Mitral valve repair or replacement (year)
286	F2S01I	Num	8	S1I - Pulmonary valve replacement (year)
287	F2S01J	Num	8	S1J - Pacemaker or defibrillator implantation (year)
288	F2S01K	Num	8	S1K - Descending thoracic aortic replacement (year)
289	F2S01L	Num	8	S1L -Thoracoabdominal aortic replacement (year)
290	F2S01M	Num	8	S1M - Aorto-femoral bypass surgery (year)
291	F2S01N	Num	8	S1N - Repair of pectus deformity (year)
292	F2S01O	Num	8	S1O - Angioplasty (year)
293	F2S01P	Num	8	S1P - Aorta to pulmonary shunt (year)
294	F2S01Q	Num	8	S1Q - Tetralogy repair (year)
295	F2S01R	Num	8	S1R - Coarctation repair (year)
296	F2S01S	Num	8	S1S - Other heart surgery (year)
297	F2S01	Num	8	S1 - Ever had heart or vascular surgeries?
298	f2_months	Num	8	Today's Date (months from enrollment)
299	F2A01_months	Num	8	A1 - Birth Date (months from enrollment)-Estimated when mth & yr are reported
300	F2A031	Num	8	A3 - White
301	F2A032	Num	8	A3 - Black/African American
302	F2A033	Num	8	A3 - Asian
303	F2A034	Num	8	A3 - American Indian/Alaska Native
304	F2A035	Num	8	A3 - Native Hawaiian/Pacific Islander
305	F2C051	Num	8	C5 - Pipe
306	F2C052	Num	8	C5 - Cigars
307	F2C053	Num	8	C5 - Cigarillos
308	F2C054	Num	8	C5 - Chewing tobacco
309	F2C055	Num	8	C5 - Snuff

Num	Variable	Type	Len	Label
310	F2C056	Num	8	C5 - No tobacco for >=6 months
311	F2G051	Num	8	G5 - Surgical procedure for vision - NO
312	F2G052	Num	8	G5 - Surgical procedure for vision - LASIK
313	F2G053	Num	8	G5 - Surgical procedure for vision - Lens extraction
314	F2G054	Num	8	G5 - Surgical procedure for vision - Implant contact lens
315	F2G055	Num	8	G5 - Surgical procedure for vision - Cataract Removal
316	F2G056	Num	8	G5 - Surgical procedure for vision - Other
317	F2S01A2	Num	8	S1A - Heart bypass or coronary bypass
318	F2S01B2	Num	8	S1B - Aortic root replacement
319	F2S01C2	Num	8	S1C - Aortic arch replacement
320	F2S01D2	Num	8	S1D - Ascending aortic replacement
321	F2S01E2	Num	8	S1E - Aortic valve repair (valve-replacing)
322	F2S01F2	Num	8	S1F - Aortic valve repair (non-root)
323	F2S01G2	Num	8	S1G - Valve-sparing aortic root replacement
324	F2S01H2	Num	8	S1H - Mitral valve repair or replacement
325	F2S01I2	Num	8	S1I - Pulmonary valve replacement
326	F2S01J2	Num	8	S1J - Pacemaker or defibrillator implantation
327	F2S01K2	Num	8	S1K - Descending thoracic aortic replacement
328	F2S01L2	Num	8	S1L - Thoracoabdominal aortic replacement
329	F2S01M2	Num	8	S1M - Aorto-femoral bypass surgery
330	F2S01N2	Num	8	S1N - Repair of pectus deformity
331	F2S01O2	Num	8	S1O - Angioplasty
332	F2S01P2	Num	8	S1P - Aorta to pulmonary shunt
333	F2S01Q2	Num	8	S1Q - Tetralogy repair
334	F2S01R2	Num	8	S1R - Coarctation repair
335	F2S01S2	Num	8	S1S - Other heart surgery

**Data Set Name: gentacform2\_pregnancies.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F2H03	Num	8	H3 - Number times pregnant
3	F2H041Y	Num	8	H4 - Pregnancy (year)
4	F2H051N	Num	8	H5 - How many
5	F2H0811N	Num	8	H81 - # Live Birth
6	F2H0812N	Num	8	H82 - # Still Birth
7	F2H0813N	Num	8	H83 - # Miscarriage
8	F2H0814N	Num	8	H84 - # Abortion
9	F2H0815N	Num	8	H85 - #Tubal
10	F2H0816N	Num	8	H86 - # Other
11	F2H0817N	Num	8	H87 - # Currently pregnant
12	F2H0811	Char	2	H81 - Live Birth
13	MaleQ	Num	8	Male?
14	F2H01	Num	8	H1- Ever pregnant
15	F2H02	Num	8	H2 - Currently pregnant
16	F2H051	Num	8	H5 - Multiples
17	F2H071	Num	8	H7 - While pregnant, birth defect
18	F2H0812	Num	8	H82 - Still Birth
19	F2H0813	Num	8	H83 - Miscarriage
20	F2H0814	Num	8	H84 - Abortion
21	F2H0815	Num	8	H85 - Tubal
22	F2H0816	Num	8	H86 - Other
23	F2H0817	Num	8	H87 - Currently pregnant
24	F2H091	Num	8	H9 - After pregnancy, birth defect
25	F2H111	Num	8	H11 - Bed rest during pregnancy
26	F2H041_MONTHS	Num	8	H4 - Pregnancy date (months from enrollment)- Estimated when mth & yr are reported
27	F2H0611	Num	8	H6 - No help getting pregnant
28	F2H0612	Num	8	H6 - Pills
29	F2H0613	Num	8	H6 - Artificial insemination
30	F2H0614	Num	8	H6 - In vitro fertilization
31	F2H0615	Num	8	H6 - Donor egg
32	F2H0616	Num	8	H6 - Donor sperm
33	F2H0617	Num	8	H6 - Other
34	F2H1011	Num	8	H10 - None of listed conditions
35	F2H1012	Num	8	H10 - High blood pressure, toxemia
36	F2H1013	Num	8	H10 - Maternal diabetes

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
37	F2H1014	Num	8	H10 - Premature rupture of membranes
38	F2H1015	Num	8	H10 - Change in aortic dimension
39	F2H1016	Num	8	H10 - Aortic dissection
40	F2H1017	Num	8	H10 - Aortic rupture
41	F2H1211	Num	8	H12 - None of listed conditions aft preg
42	F2H1212	Num	8	H12 - Change aortic dimension aft preg
43	F2H1213	Num	8	H12 - Aortic dissection after pregnancy
44	F2H1214	Num	8	H12 - Aortic rupture after pregnancy

**Data Set Name: gentacform2new.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F2_YY	Num	8	Today's Date (year)
3	F2A01YY	Num	8	A1 - Birth Date (year)
4	F2C04	Num	8	C4 - Total number years smoked cig.
5	F2E03A	Char	20	E3A - Strenuous activities (hrs/wk)
6	F2E03B	Char	20	E3B - Moderate activities (hrs/wk)
7	F2E03C	Char	20	E3C - Slight activity (hrs/wk)
8	F2E05A	Num	8	E5A - Cut down on time spent on work/activities
9	F2E05B	Num	8	E5B - Accomplished less than would like
10	F2E05C	Num	8	E5C - Limited in the kind of work/activities
11	F2E05D	Num	8	E5D - Difficulty performing work/activities
12	F2E08A	Num	8	E8A - Get sick easier than others
13	F2E08B	Num	8	E8B - Am as healthy as anyone I know
14	F2E08C	Num	8	E8C - Expect my health to worsen
15	F2E08D	Num	8	E8D - Health is excellent
16	F2F01	Num	8	F1 - Average hours sleep a night
17	F2H03	Num	8	H3 - Number times pregnant
18	F2J0101A	Num	8	J11 - Marfan (age at diagnosis)
19	F2J0102A	Num	8	J12 - Turner syndrome (age at diagnosis)
20	F2J0103A	Num	8	J13 - Ehlers-Danlos (age at diagnosis)
21	F2J0104A	Num	8	J14 - Loeys-Dietz (age at diagnosis)
22	F2J0105A	Num	8	J15 - FBN1, TGFBR1, TGFBR2 (age diag)
23	F2J0106A	Num	8	J16 - Bicuspid aortic valve (age diagnosis)
24	F2J0151A	Num	8	J151 - Coarctation (age)
25	F2J0107A	Num	8	J17 - Shprintzen-Goldberg (age diagnosis)
26	F2J0150A	Num	8	J150 - Thoracic aortic aneurysm or dissection (age)
27	F2J0108A	Num	8	J18 - Heart murmur (age at diagnosis)
28	F2J0109A	Num	8	J19 - Heart palpitation (age at diagnosis)
29	F2J0110A	Num	8	J110 - Angina (age at diagnosis)
30	F2J0111A	Num	8	J111 - Heart attack (age at diagnosis)
31	F2J0112A	Num	8	J112 - Atherosclerosis (age at diagnosis)
32	F2J0113A	Num	8	J113 - Heart infection (age at diagnosis)
33	F2J0114A	Num	8	J114 - Cardiomyopathy (age at diagnosis)
34	F2J0115A	Num	8	J115 - Congenital heart disease (age diag)
35	F2J0116A	Num	8	J116 - Other heart disease (age diagnosis)
36	F2J0117A	Num	8	J117 - Hypertension (age at diagnosis)

Num	Variable	Type	Len	Label
37	F2J0118A	Num	8	J118 - Stroke (age at diagnosis)
38	F2J0119A	Num	8	J119 - Aneurysms outside aorta (age diag)
39	F2J0120A	Num	8	J120 - Asthma (age at diagnosis)
40	F2J0121A	Num	8	J121 - Emphysema (age at diagnosis)
41	F2J0122A	Num	8	J122 - Pneumonia (age at diagnosis)
42	F2J0123A	Num	8	J123 - Pneumothorax (age at diagnosis)
43	F2J0124A	Num	8	J124 - Other lung disease (age diag)
44	F2J0125A	Num	8	J125 - Cancer (age at diagnosis)
45	F2J0126A	Num	8	J126 - Cancer (age at diagnosis)
46	F2J0127A	Num	8	J127 - Diabetes (age at diagnosis)
47	F2J0128A	Num	8	J128 - Bleeding disorder (age diagnosis)
48	F2J0129A	Num	8	J129 - Blood clotting disorder (age diag)
49	F2J0130A	Num	8	J130 - Endometriosis (age at diag)
50	F2J0131A	Num	8	J131 - Uterine fibroids (age at diagnosis)
51	F2J0132A	Num	8	J132 - Raynaud syndrome (age diagnosis)
52	F2J0133A	Num	8	J133 - Liver disease (age at diagnosis)
53	F2J0134A	Num	8	J134 - Digestive problems (agea diagnosis)
54	F2J0135A	Num	8	J135 - Rheumatoid arthritis (age diagnosis)
55	F2J0136A	Num	8	J136 - Ankylosing spondylitis (age diag)
56	F2J0137A	Num	8	J137 - Arthritis, other (age at diagnosis)
57	F2J0138A	Num	8	J138 - Lupus (age at diagnosis)
58	F2J0139A	Num	8	J139 - Scleroderma (age at diagnosis)
59	F2J0140A	Num	8	J140 - Other autoimmune (age diagnosis)
60	F2J0141A	Num	8	J141 - Joint dislocation (age diagnosis)
61	F2J0142A	Num	8	J142 - Other joint disease (age diagnosis)
62	F2J0143A	Num	8	J143 - Kidney disease (age diagnosis)
63	F2J0144A	Num	8	J144 - Nerve disease (age diagnosis)
64	F2J0145A	Num	8	J145 - Memory loss/problems (age diag)
65	F2J0146A	Num	8	J146 - Learning problems (age diagnosis)
66	F2J0147A	Num	8	J147 - Depression (age diagnosis)
67	F2J0149A	Num	8	J149 - Other important health concern (age)
68	F2J0148A	Num	8	J148 - Other mental health concern (age)
69	F2K2A	Num	8	K2A - Number aspirin taken per week
70	F2K3A	Num	8	K3A - Number NSAIDS taken per week
71	F2K4A	Num	8	K4A - Number celebrex per week
72	F2A02	Num	8	A2 - Gender
73	F2A04	Num	8	A4 - Hispanic origin
74	F2A05	Num	8	A5 - Highest education
75	F2A06	Num	8	A6 - Marital status

Num	Variable	Type	Len	Label
76	F2A07	Num	8	A7 - Health insurance
77	F2A07A	Num	8	A7A - Type of insurance
78	F2A08	Num	8	A8 - Household income
79	F2A09	Num	8	A9 - Primary current employment status
80	under_18	Num	8	Under 18 y.o
81	F2B01	Num	8	B1 - Alcohol last 12 months (how often)
82	F2B02	Num	8	B2 - Alcohol last 12 months (how many)
83	F2C01	Num	8	C1 - 100+ cigarettes in lifetime
84	F2C02	Num	8	C2 - Smoke cigarettes now
85	F2C03	Num	8	C3 - Average cigarettes each day
86	F2D01	Num	8	D1 - Crack cocaine
87	F2D02	Num	8	D2 - Other cocaine, like powder
88	F2D03	Num	8	D3 - Stimulants
89	F2D04	Num	8	D4 - Narcotics
90	F2D05	Num	8	D5 - Hallucinogens
91	F2D06	Num	8	D6 - Cannabis
92	F2D07	Num	8	D7 - Tranquilizers
93	F2D08	Num	8	D8 - Depressants
94	F2D09	Num	8	D9 - Inhalants
95	F2D10	Num	8	D10 - Psychotropic or antidepressants
96	F2D11	Num	8	D11 - Anabolic steroids
97	F2D12	Num	8	D12 - 2 or more drugs taken together
98	F2D13	Num	8	D13 - Other
99	F2D14	Num	8	D14 - Other
100	F2E01	Num	8	E1 - Overall health
101	F2E02	Num	8	E2 - Health compared to a year ago
102	F2E04A1	Num	8	E4A - Vigorous activities limited
103	F2E04J1	Num	8	E4J - Bathing/dressing self limited
104	F2E04B1	Num	8	E4B - Moderate activities limited
105	F2E04C1	Num	8	E4C - Lifting limited
106	F2E04D1	Num	8	E4D - Climbing several flights stairs limited
107	F2E04E1	Num	8	E4E - Climbing one flight stairs limited
108	F2E04F1	Num	8	E4F - Bending or kneeling limited
109	F2E04G1	Num	8	E4G - Walking >1 mile limited
110	F2E04H1	Num	8	E4H - Walking several 100 yards limited
111	F2E04I1	Num	8	E4I - Walking 100 yards limited
112	F2E04I2	Num	8	E4I - Walking 100 yards limited by doc
113	F2E04H2	Num	8	E4H - Walking several 100 yards limited by doc
114	F2E04G2	Num	8	E4G - Walking >1 mile limited by doc



Num	Variable	Type	Len	Label
115	F2E04F2	Num	8	E4F - Bending or kneeling limited by doc
116	F2E04E2	Num	8	E4E - Climbing one flight stairs limited by doc
117	F2E04D2	Num	8	E4D - Climbing several flights stairs limited by doc
118	F2E04C2	Num	8	E4C - Lifting limited by doc
119	F2E04B2	Num	8	E4B - Moderate activities limited by doc
120	F2E04J2	Num	8	E4J - Bathing/dressing self limited by doc
121	F2E04A2	Num	8	E4A - Vigorous activities limited by doc
122	F2E06	Num	8	E6 - Bodily pain past 4 weeks
123	F2E07	Num	8	E7 - Pain interfere w/ normal work past 4 weeks
124	F2F02	Num	8	F2 - Trouble sleeping
125	F2F03	Num	8	F3 - Wake up several times a night
126	F2F04	Num	8	F4 - Others complain about snoring
127	F2G01	Num	8	G1 - Hearing Aid
128	F2G02	Num	8	G2 - Difficulty hearing TV/radio
129	F2G03	Num	8	G3 - Eyeglasses or contact lenses
130	F2G04	Num	8	G4 - Vision w/out glasses or contacts
131	MaleQ	Num	8	Male?
132	F2H01	Num	8	H1- Ever pregnant
133	F2H02	Num	8	H2 - Currently pregnant
134	F2J0101	Num	8	J11 - Marfan
135	F2J0102	Num	8	J12 - Turner syndrome
136	F2J0103	Num	8	J13 - Ehlers-Danlos
137	F2J0104	Num	8	J14 - Loeys-Dietz
138	F2J0105	Num	8	J15 - FBN1, TGFBR1, TGFBR2
139	F2J0106	Num	8	J16 - Bicuspid aortic valve
140	F2J0151	Num	8	J151 - Coarctation
141	F2J0107	Num	8	J17 - Shprintzen-Goldberg
142	F2J0150	Num	8	J150 - Thoracic aortic aneurysm or dissection
143	F2J0108	Num	8	J18 - Heart murmur
144	F2J0109	Num	8	J19 - Heart palpitation
145	F2J0110	Num	8	J110 - Angina
146	F2J0111	Num	8	J111 - Heart attack
147	F2J0112	Num	8	J112 - Atherosclerosis
148	F2J0113	Num	8	J113 - Heart infection
149	F2J0114	Num	8	J114 - Cardiomyopathy
150	F2J0115	Num	8	J115 - Congenital heart disease
151	F2J0116	Num	8	J116 - Other heart disease
152	F2J0117	Num	8	J117 - Hypertension
153	F2J0118	Num	8	J118 - Stroke

Num	Variable	Type	Len	Label
154	F2J0119	Num	8	J119 - Aneurysms outside aorta
155	F2J0120	Num	8	J120 - Asthma
156	F2J0121	Num	8	J121 - Emphysema
157	F2J0122	Num	8	J122 - Pneumonia
158	F2J0123	Num	8	J123 - Pneumothorax
159	F2J0124	Num	8	J124 - Other lung disease
160	F2J0125	Num	8	J125 - Cancer
161	F2J0126	Num	8	J126 - Cancer
162	F2J0127	Num	8	J127 - Diabetes
163	F2J0128	Num	8	J128 - Bleeding disorder
164	F2J0129	Num	8	J129 - Blood clotting disorder
165	F2J0130	Num	8	J130 - Endometriosis
166	F2J0131	Num	8	J131 - Uterine fibroids
167	F2J0132	Num	8	J132 - Raynaud syndrome
168	F2J0133	Num	8	J133 - Liver disease
169	F2J0134	Num	8	J134 - Digestive problems
170	F2J0135	Num	8	J135 - Rheumatoid arthritis
171	F2J0136	Num	8	J136 - Ankylosing spondylitis
172	F2J0137	Num	8	J137 - Arthritis, other
173	F2J0138	Num	8	J138 - Lupus
174	F2J0139	Num	8	J139 - Scleroderma
175	F2J0140	Num	8	J140 - Other autoimmune disease
176	F2J0141	Num	8	J141 - Joint dislocation
177	F2J0142	Num	8	J142 - Other joint disease
178	F2J0143	Num	8	J143 - Kidney disease
179	F2J0144	Num	8	J144 - Nerve disease
180	F2J0145	Num	8	J145 - Memory loss/problems
181	F2J0146	Num	8	J146 - Learning problems
182	F2J0147	Num	8	J147 - Depression
183	F2J0148	Num	8	J148 - Other mental health concern
184	F2J0149	Num	8	J149 - Other important health concern
185	F2J02	Num	8	J02 - Ever had surgery or being hospitalized for therapeutic/medical procedure
186	F2K1A01	Num	8	K1A1 - benazepril (Lotensin)
187	F2K1A02	Num	8	K1A2 - captopril (Capoten)
188	F2K1A03	Num	8	K1A3 - enalapril (Vasotec)
189	F2K1A04	Num	8	K1A4 - fosinopril (Monopril)
190	F2K1A05	Num	8	K1A5 - isinopril (Prinivil, Zestril)
191	F2K1A06	Num	8	K1A6 - moexipril (Univasc)
192	F2K1A07	Num	8	K1A7 - perindopril (Aceon)

Num	Variable	Type	Len	Label
193	F2K1A08	Num	8	K1A8 - quinapril (Accupril)
194	F2K1A09	Num	8	K1A9 - ramipril (Altace)
195	F2K1A10	Num	8	K1A10 - randolapril (Mavik)
196	F2K1A11	Num	8	K1A11 - Other ACE inhibitor
197	F2K1A12	Num	8	K1A12 - Other ACE inhibitor
198	F2K1B01	Num	8	K1B1 - candesartan (Atacand)
199	F2K1B02	Num	8	K1B2 - eprosartan (Tevetan)
200	F2K1B03	Num	8	K1B3 - irbesartan (Avapro)
201	F2K1B04	Num	8	K1B4 - losartan (Cozaar)
202	F2K1B05	Num	8	K1B5 - telmisartan (Mycardis)
203	F2K1B06	Num	8	K1B6 - valsartan (Diovan)
204	F2K1B07	Num	8	K1B7 - Other Angiotensin Blockers
205	F2K1B08	Num	8	K1B8 - Other Angiotensin Blockers
206	F2K1C01	Num	8	K1C1 - acebutolol (Sectral)
207	F2K1C02	Num	8	K1C2 - atenolol (Tenormin)
208	F2K1C03	Num	8	K1C3 - betaxolol (Kerlone)
209	F2K1C04	Num	8	K1C4 - bisoprolol fumarate (Zebeta)
210	F2K1C05	Num	8	K1C5 - carteolol hydrochloride (Cartro)
211	F2K1C06	Num	8	K1C6 - carvedilol (Coreg)
212	F2K1C07	Num	8	K1C7 - labetalol (Trandate)
213	F2K1C08	Num	8	K1C8 - metoprolol tartrate (Lopressor)
214	F2K1C09	Num	8	K1C9 - metoprolol succinate (Toprol-XL)
215	F2K1C10	Num	8	K1C10 - nadolol (Corgard)
216	F2K1C11	Num	8	K1C11 - penbutolol sulfate (Levatol)
217	F2K1C12	Num	8	K1C12 - pindolol (Visken)
218	F2K1C13	Num	8	K1C13 - propranolol hydrochloride (Inderal, Inderal LA)
219	F2K1C14	Num	8	K1C14 - Other Beta Blocker
220	F2K1C15	Num	8	K1C15 - Other Beta Blocker
221	F2K1D01	Num	8	K1D1 - bumetanide (Bumex)
222	F2K1D02	Num	8	K1D2 - chlorothiazide or CTZ (Diuril)
223	F2K1D03	Num	8	K1D3 - eplerone (Inspra)
224	F2K1D04	Num	8	K1D4 - furosemide (Lasix)
225	F2K1D05	Num	8	K1D5 - hydrochlorothiazide or HCTZ (Hydrodiuril)
226	F2K1D06	Num	8	K1D6 - indapamide (Lozol)
227	F2K1D07	Num	8	K1D7 - metolazone (Mykrox, Zaroxolyn)
228	F2K1D08	Num	8	K1D8 - spironolactone (Aldactone)
229	F2K1D09	Num	8	K1D9 - torsemide (Demadex)
230	F2K1D10	Num	8	K1D10 - Other diuretics
231	F2K1D11	Num	8	K1D11 - Other diuretics

Num	Variable	Type	Len	Label
232	F2K1E01	Num	8	K1E1 - amlodipine (Norvasc)
233	F2K1E02	Num	8	K1E2 - bepridil (Vascor)
234	F2K1E03	Num	8	K1E3 - diltiazem (Cardizem)
235	F2K1E04	Num	8	K1E4 - felodipine (Plendil)
236	F2K1E05	Num	8	K1E5 - isradipine (Dynacirc)
237	F2K1E06	Num	8	K1E6 - neifedipine (Adalat, Procardia)
238	F2K1E07	Num	8	K1E7 - nicardipine (Cardene)
239	F2K1E08	Num	8	K1E8 - nimodipine (Nimotop)
240	F2K1E09	Num	8	K1E9 - nisoldipine (Sular)
241	F2K1E10	Num	8	K1E10 - verapamil (Calan, Isoptin)
242	F2K1E11	Num	8	K1E11 - Other Calcium Blockers
243	F2K1E12	Num	8	K1E12 - Other Calcium Blockers
244	F2K1F01	Num	8	K1F1 - atorvastatin (Lipitor)
245	F2K1F02	Num	8	K1F2 - fluvastatin (Lescol)
246	F2K1F03	Num	8	K1F3 - lovastatin (Mevacor)
247	F2K1F04	Num	8	K1F4 - pravastatin (Pravachol)
248	F2K1F05	Num	8	K1F5 - rosuvastatin (Crestor)
249	F2K1F06	Num	8	K1F6 - simvastatin (Zocor)
250	F2K1F07	Num	8	K1F7 - Other Statins
251	F2K1F08	Num	8	K1F8 - Other Statins
252	F2K1G01	Num	8	K1G1 - alfuzosin (Uroxatral)
253	F2K1G02	Num	8	K1G2 - doxazosin (Cardura)
254	F2K1G03	Num	8	K1G3 - prazosin (Minipress)
255	F2K1G04	Num	8	K1G4 - tamsulosin (Flomax)
256	F2K1G05	Num	8	K1G5 - terazosin (Hytrin)
257	F2K1G06	Num	8	K1G6 - Other Alpha Blocker
258	F2K1G07	Num	8	K1G7 - Other Alpha Blocker
259	F2K1H01	Num	8	K1H1 - clonidine (Catapres)
260	F2K1H02	Num	8	K1H2 - clopidogrel (Plavex)
261	F2K1H03	Num	8	K1H3 - enoxaparin (Lovenox)
262	F2K1H04	Num	8	K1H4 - hydralizine (Hydra-Zide)
263	F2K1H05	Num	8	K1H5 - Hypoglycemics, oral
264	F2K1H06	Num	8	K1H6 - Insulin
265	F2K1H07	Num	8	K1H7 - methyl dopa (Aldomet)
266	F2K1H08	Num	8	K1H8 - Methylphenidate (Ritalin)
267	F2K1H09	Num	8	K1H9 - minoxidil (Loniten)
268	F2K1H10	Num	8	K1H10 - Nitrates
269	F2K1H11	Num	8	K1H11 - warfarin (Coumadin)
270	F2K1H12	Num	8	K1H12 - Other medications

Num	Variable	Type	Len	Label
271	F2K1H13	Num	8	K1H13 - Other medications
272	F2K1I01	Num	8	K1I1 - Other medication
273	F2K1I02	Num	8	K1I2 - Other medication
274	F2K1I03	Num	8	K1I3 - Other medication
275	F2K2	Num	8	K2 - Do you take aspirin
276	F2K3	Num	8	K3 - NSAIDS
277	F2K4	Num	8	K4 - Do you take Celebrex
278	F2S01A	Num	8	S1A - Heart bypass or coronary bypass (year)
279	F2S01B	Num	8	S1B - Aortic root replacement (year)
280	F2S01C	Num	8	S1C - Aortic arch replacement (year)
281	F2S01D	Num	8	S1D - Ascending aortic replacement (year)
282	F2S01E	Num	8	S1E - Aortic valve repair (valve-replacing) (year)
283	F2S01F	Num	8	S1F - Aortic valve repair (non-root) (year)
284	F2S01G	Num	8	S1G - Valve-sparing aortic root replacement (year)
285	F2S01H	Num	8	S1H - Mitral valve repair or replacement (year)
286	F2S01I	Num	8	S1I - Pulmonary valve replacement (year)
287	F2S01J	Num	8	S1J - Pacemaker or defibrillator implantation (year)
288	F2S01K	Num	8	S1K - Descending thoracic aortic replacement (year)
289	F2S01L	Num	8	S1L -Thoracoabdominal aortic replacement (year)
290	F2S01M	Num	8	S1M - Aorto-femoral bypass surgery (year)
291	F2S01N	Num	8	S1N - Repair of pectus deformity (year)
292	F2S01O	Num	8	S1O - Angioplasty (year)
293	F2S01P	Num	8	S1P - Aorta to pulmonary shunt (year)
294	F2S01Q	Num	8	S1Q - Tetralogy repair (year)
295	F2S01R	Num	8	S1R - Coarctation repair (year)
296	F2S01S	Num	8	S1S - Other heart surgery (year)
297	F2S01	Num	8	S1 - Ever had heart or vascular surgeries?
298	f2_months	Num	8	Today's Date (months from enrollment)
299	F2A01_months	Num	8	A1 - Birth Date (months from enrollment)-Estimated when mth & yr are reported
300	F2A031	Num	8	A3 - White
301	F2A032	Num	8	A3 - Black/African American
302	F2A033	Num	8	A3 - Asian
303	F2A034	Num	8	A3 - American Indian/Alaska Native
304	F2A035	Num	8	A3 - Native Hawaiian/Pacific Islander
305	F2C051	Num	8	C5 - Pipe
306	F2C052	Num	8	C5 - Cigars
307	F2C053	Num	8	C5 - Cigarillos
308	F2C054	Num	8	C5 - Chewing tobacco
309	F2C055	Num	8	C5 - Snuff

Num	Variable	Type	Len	Label
310	F2C056	Num	8	C5 - No tobacco for >=6 months
311	F2G051	Num	8	G5 - Surgical procedure for vision - NO
312	F2G052	Num	8	G5 - Surgical procedure for vision - LASIK
313	F2G053	Num	8	G5 - Surgical procedure for vision - Lens extraction
314	F2G054	Num	8	G5 - Surgical procedure for vision - Implant contact lens
315	F2G055	Num	8	G5 - Surgical procedure for vision - Cataract Removal
316	F2G056	Num	8	G5 - Surgical procedure for vision - Other
317	F2S01A2	Num	8	S1A - Heart bypass or coronary bypass
318	F2S01B2	Num	8	S1B - Aortic root replacement
319	F2S01C2	Num	8	S1C - Aortic arch replacement
320	F2S01D2	Num	8	S1D - Ascending aortic replacement
321	F2S01E2	Num	8	S1E - Aortic valve repair (valve-replacing)
322	F2S01F2	Num	8	S1F - Aortic valve repair (non-root)
323	F2S01G2	Num	8	S1G - Valve-sparing aortic root replacement
324	F2S01H2	Num	8	S1H - Mitral valve repair or replacement
325	F2S01I2	Num	8	S1I - Pulmonary valve replacement
326	F2S01J2	Num	8	S1J - Pacemaker or defibrillator implantation
327	F2S01K2	Num	8	S1K - Descending thoracic aortic replacement
328	F2S01L2	Num	8	S1L - Thoracoabdominal aortic replacement
329	F2S01M2	Num	8	S1M - Aorto-femoral bypass surgery
330	F2S01N2	Num	8	S1N - Repair of pectus deformity
331	F2S01O2	Num	8	S1O - Angioplasty
332	F2S01P2	Num	8	S1P - Aorta to pulmonary shunt
333	F2S01Q2	Num	8	S1Q - Tetralogy repair
334	F2S01R2	Num	8	S1R - Coarctation repair
335	F2S01S2	Num	8	S1S - Other heart surgery

**Data Set Name: gentacform2new\_pregnancies.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F2H03	Num	8	H3 - Number times pregnant
3	F2H041Y	Num	8	H4 - Pregnancy (year)
4	F2H051N	Num	8	H5 - How many
5	F2H0811N	Num	8	H81 - # Live Birth
6	F2H0812N	Num	8	H82 - # Still Birth
7	F2H0813N	Num	8	H83 - # Miscarriage
8	F2H0814N	Num	8	H84 - # Abortion
9	F2H0815N	Num	8	H85 - #Tubal
10	F2H0816N	Num	8	H86 - # Other
11	F2H0817N	Num	8	H87 - # Currently pregnant
12	F2H0811	Char	2	H81 - Live Birth
13	MaleQ	Num	8	Male?
14	F2H01	Num	8	H1- Ever pregnant
15	F2H02	Num	8	H2 - Currently pregnant
16	F2H051	Num	8	H5 - Multiples
17	F2H071	Num	8	H7 - While pregnant, birth defect
18	F2H0812	Num	8	H82 - Still Birth
19	F2H0813	Num	8	H83 - Miscarriage
20	F2H0814	Num	8	H84 - Abortion
21	F2H0815	Num	8	H85 - Tubal
22	F2H0816	Num	8	H86 - Other
23	F2H0817	Num	8	H87 - Currently pregnant
24	F2H091	Num	8	H9 - After pregnancy, birth defect
25	F2H111	Num	8	H11 - Bed rest during pregnancy
26	F2H041_MONTHS	Num	8	H4 - Pregnancy date (months from enrollment)- Estimated when mth & yr are reported
27	F2H0611	Num	8	H6 - No help getting pregnant
28	F2H0612	Num	8	H6 - Pills
29	F2H0613	Num	8	H6 - Artificial insemination
30	F2H0614	Num	8	H6 - In vitro fertilization
31	F2H0615	Num	8	H6 - Donor egg
32	F2H0616	Num	8	H6 - Donor sperm
33	F2H0617	Num	8	H6 - Other
34	F2H1011	Num	8	H10 - None of listed conditions
35	F2H1012	Num	8	H10 - High blood pressure, toxemia
36	F2H1013	Num	8	H10 - Maternal diabetes

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
37	F2H1014	Num	8	H10 - Premature rupture of membranes
38	F2H1015	Num	8	H10 - Change in aortic dimension
39	F2H1016	Num	8	H10 - Aortic dissection
40	F2H1017	Num	8	H10 - Aortic rupture
41	F2H1211	Num	8	H12 - None of listed conditions aft preg
42	F2H1212	Num	8	H12 - Change aortic dimension aft preg
43	F2H1213	Num	8	H12 - Aortic dissection after pregnancy
44	F2H1214	Num	8	H12 - Aortic rupture after pregnancy



**Data Set Name: gentacform3.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F3A02B	Num	8	A2 - How many whole Brothers
3	F3A02S	Num	8	A2 - How many whole Sisters
4	F3A03B	Num	8	A3 - How many half brothers, same father
5	F3A03S	Num	8	A3 - How many half sisters, same father
6	F3A04B	Num	8	A4 - How many half brothers, same mother
7	F3A04S	Num	8	A4 - How many half sisters, same mother
8	F3A05S	Num	8	A5 - How many biological children - Sons
9	F3A05D	Num	8	A5 - How many biological children - Daughters
10	F3A02BD	Num	8	A2 - How many whole Brothers (don't know)
11	F3A02SD	Num	8	A2 - How many whole Sisters (don't know)
12	F3A03BD	Num	8	A3 - How many half brothers, same father (don't know)
13	F3A03SD	Num	8	A3 - How many half sisters, same father (don't know)
14	F3A04BD	Num	8	A4 - How many half brothers, same mother (don't know)
15	F3A04SD	Num	8	A4 - How many half sisters, same mother (don't know)
16	F3A06	Num	8	A6 - Are you adopted
17	F3A01_months	Num	8	A1 - Today's Date (months from enrollment)

**Data Set Name: gentacform4.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F4E01YY	Num	8	E1 - Imaging Study (year)
3	F4E02	Num	8	E2 - Height (cm)
4	F4E03	Num	8	E3 - Weight (kg)
5	F4E04SY	Num	8	E4 - Blood Pressure (systolic)
6	F4E04DS	Num	8	E4 - Blood Pressure (diastolic)
7	F4E08	Num	8	E8 - Aortic valve annulus
8	F4E09	Num	8	E9 - Sinus of Valsalva
9	F4E10	Num	8	E10 - Sino-tubular junction
10	F4E11	Num	8	E11 - Ascending aorta (largest)
11	F4E12	Num	8	E12 - Transverse arch
12	F4E13	Num	8	E13 - Isthmus
13	F4E14	Num	8	E14 - Mid-descending thoracic aorta
14	F4E15	Num	8	E15 - Lower-descending thoracic aorta
15	F4E16	Num	8	E16 - Thoracoabdominal aorta
16	F4E18	Num	8	E18 - Pararenal abdominal aorta
17	F4E24S	Num	8	E24 - Aneurysm 1 - Start Location
18	F4E24E	Num	8	E24 - Aneurysm 1 - End Location
19	F4E24L	Num	8	E24 - Aneurysm 1 - Length (cm)
20	F4E24D	Num	8	E24 - Aneurysm 1 - Diameter (cm)
21	F4E25S	Num	8	E25 - Aneurysm 2 - Start Location
22	F4E25E	Num	8	E25 - Aneurysm 2 - End Location
23	F4E25L	Num	8	E25 - Aneurysm 2 - Length (cm)
24	F4E25D	Num	8	E25 - Aneurysm 2 - Diameter (cm)
25	F4E26S	Num	8	E26 - Aneurysm 3 - Start Location
26	F4E26E	Num	8	E26 - Aneurysm 3 - End Location
27	F4E26L	Num	8	E26 - Aneurysm 3 - Length (cm)
28	F4E26D	Num	8	E26 - Aneurysm 3 - Diameter (cm)
29	F4E28S	Num	8	E28 - Dissection 1 - Start Location
30	F4E28E	Num	8	E28 - Dissection 1 - End Location
31	F4E28L	Num	8	E28 - Dissection 1 - Length (cm)
32	F4E28D	Num	8	E28 - Dissection 1 - Diameter (cm)
33	F4E29S	Num	8	E29 - Dissection 2 - Start Location
34	F4E29E	Num	8	E29 - Dissection 2 - End Location
35	F4E29L	Num	8	E29 - Dissection 2 - Length (cm)
36	F4E29D	Num	8	E29 - Dissection 2 - Diameter (cm)

Num	Variable	Type	Len	Label
37	F4E31S	Num	8	E31 - Graft 1 - Start Location
38	F4E31E	Num	8	E31 - Graft 1 - End Location
39	F4E31L	Num	8	E31 - Graft 1 - Length (cm)
40	F4E31D	Num	8	E31 - Graft 1 - Diameter (cm)
41	F4E32S	Num	8	E32 - Graft 2 - Start Location
42	F4E32E	Num	8	E32 - Graft 2 - End Location
43	F4E32L	Num	8	E32 - Graft 2 - Length (cm)
44	F4E32D	Num	8	E32 - Graft 2 - Diameter (cm)
45	F4E33S	Num	8	E33 - Graft 3 - Start Location
46	F4E33E	Num	8	E33 - Graft 3 - End Location
47	F4E33L	Num	8	E33 - Graft 3 - Length (cm)
48	F4E33D	Num	8	E33 - Graft 3 - Diameter (cm)
49	F4E34S	Num	8	E34 - Graft 4 - Start Location
50	F4E34E	Num	8	E34 - Graft 4 - End Location
51	F4E34L	Num	8	E34 - Graft 4 - Length (cm)
52	F4E34D	Num	8	E34 - Graft 4 - Diameter (cm)
53	F4E35	Num	8	E35 - Mitral valve annular diameter
54	F4E39	Num	8	E39 - Tricuspid valve diameter
55	F4E40	Num	8	E40 - Tricuspid regurgitation velocity
56	F4E42	Num	8	E42 - Pulmonary valve annular diameter
57	F4E44	Num	8	E44 - Pulmonary stenosis
58	F4E45	Num	8	E45 - Main pulmonary artery diameter
59	F4E46	Num	8	E46 - Right pulmonary artery diameter
60	F4E47	Num	8	E47 - Left pulmonary artery diameter
61	F4E40Units	Char	20	E40 - Tricuspid regurgitation velocity, units
62	F4E44Units	Char	20	E44 - Pulmonary stenosis, peak doppler velocity, units
63	F4E52	Num	8	E52 - Peak aortic gradient
64	F4E53	Num	8	E53 - Mean aortic gradient
65	F4E56	Num	8	E56 - Left ventricular end diastolic volume
66	F4E57	Num	8	E57 - Left ventricular end systolic volume
67	F4E58	Num	8	E58 - Left ventricular end diastolic dimension
68	F4E59	Num	8	E59 - Left ventricular end systolic dimension
69	F4E60	Num	8	E60 - Ejection fraction (left ventricle)
70	F4E61	Num	8	E61 - Shortening fraction (left ventricle)
71	F4E52Units	Char	20	E52 - Peak aortic gradient, units
72	F4E53Units	Char	20	E53 - Mean aortic gradient, units
73	F4E56Units	Char	20	E56 - Left ventricular end diastolic volume, units
74	F4E57Units	Char	20	E57 - Left ventricular end systolic volume, units
75	F4E63	Num	8	E63 - Right ventricular end diastolic volume

Num	Variable	Type	Len	Label
76	F4E64	Num	8	E64 - Right ventricular end systolic volume
77	F4E65	Num	8	E65 - Ejection fraction (right ventricle)
78	F4E66	Num	8	E66 - Pulmonary regurgitant fraction (right ventricle)
79	F4E63Units	Char	20	E63 - Right ventricular end diastolic volume, units
80	F4E64Units	Char	20	E64 - Right ventricular end systolic volume, units
81	F4C01YY	Num	8	C1 - Imaging Study (year)
82	F4C02	Num	8	C2 - Height (cm)
83	F4C03	Num	8	C3 - Weight (kg)
84	F4C04SY	Num	8	C4 - Blood Pressure (systolic)
85	F4C04DS	Num	8	C4 - Blood Pressure (diastolic)
86	F4C09	Num	8	C9 - Sinus of Valsalva
87	F4C10	Num	8	C10 - Sino-tubular junction
88	F4C11	Num	8	C11 - Ascending aorta (largest)
89	F4C12	Num	8	C12 - Transverse arch
90	F4C13	Num	8	C13 - Isthmus
91	F4C14	Num	8	C14 - Mid-descending thoracic aorta
92	F4C15	Num	8	C15 - Lower-descending thoracic aorta
93	F4C16	Num	8	C16 - Thoracoabdominal aorta
94	F4C17	Num	8	C17 - Suprarenal abdominal aorta
95	F4C18	Num	8	C18 - Pararenal abdominal aorta
96	F4C19	Num	8	C19 - Infrarenal aorta
97	F4C08	Num	8	C8 - Aortic valve annulus
98	F4C24S	Num	8	C24 - Aneurysm 1 - Start Location
99	F4C24E	Num	8	C24 - Aneurysm 1 - End Location
100	F4C24L	Num	8	C24 - Aneurysm 1 - Length (cm)
101	F4C24D	Num	8	C24 - Aneurysm 1 - Diameter (cm)
102	F4C25S	Num	8	C25 - Aneurysm 2 - Start Location
103	F4C25E	Num	8	C25 - Aneurysm 2 - End Location
104	F4C25L	Num	8	C25 - Aneurysm 2 - Length (cm)
105	F4C25D	Num	8	C25 - Aneurysm 2 - Diameter (cm)
106	F4C26S	Num	8	C26 - Aneurysm 3 - Start Location
107	F4C26E	Num	8	C26 - Aneurysm 3 - End Location
108	F4C26L	Num	8	C26 - Aneurysm 3 - Length (cm)
109	F4C26D	Num	8	C26 - Aneurysm 3 - Diameter (cm)
110	F4C28S	Num	8	C28 - Dissection 1 - Start Location
111	F4C28E	Num	8	C28 - Dissection 1 - End Location
112	F4C28L	Num	8	C28 - Dissection 1 - Length (cm)
113	F4C28D	Num	8	C28 - Dissection 1 - Diameter (cm)
114	F4C29S	Num	8	C29 - Dissection 2 - Start Location

Num	Variable	Type	Len	Label
115	F4C29E	Num	8	C29 - Dissection 2 - End Location
116	F4C29L	Num	8	C29 - Dissection 2 - Length (cm)
117	F4C29D	Num	8	C29 - Dissection 2 - Diameter (cm)
118	F4C31S	Num	8	C31 - Graft 1 - Start Location
119	F4C31E	Num	8	C31 - Graft 1 - End Location
120	F4C31L	Num	8	C31 - Graft 1 - Length (cm)
121	F4C31D	Num	8	C31 - Graft 1 - Diameter (cm)
122	F4C32S	Num	8	C32 - Graft 2 - Start Location
123	F4C32E	Num	8	C32 - Graft 2 - End Location
124	F4C32L	Num	8	C32 - Graft 2 - Length (cm)
125	F4C32D	Num	8	C32 - Graft 2 - Diameter (cm)
126	F4C33S	Num	8	C33 - Graft 3 - Start Location
127	F4C33E	Num	8	C33 - Graft 3 - End Location
128	F4C33L	Num	8	C33 - Graft 3 - Length (cm)
129	F4C33D	Num	8	C33 - Graft 3 - Diameter (cm)
130	F4C34S	Num	8	C34 - Graft 4 - Start Location
131	F4C34E	Num	8	C34 - Graft 4 - End Location
132	F4C34L	Num	8	C34 - Graft 4 - Length (cm)
133	F4C34D	Num	8	C34 - Graft 4 - Diameter (cm)
134	F4C35	Num	8	C35 - Mitral valve annular diameter
135	F4C39	Num	8	C39 - Tricuspid valve diameter
136	F4C42	Num	8	C42 - Pulmonary valve annular diameter
137	F4C44	Num	8	C44 - Pulmonary stenosis
138	F4C45	Num	8	C45 - Main pulmonary artery diameter
139	F4C46	Num	8	C46 - Right pulmonary artery diameter
140	F4C47	Num	8	C47 - Left pulmonary artery diameter
141	F4C56	Num	8	C56 - Left ventricular end diastolic volume
142	F4C57	Num	8	C57 - Left ventricular end systolic volume
143	F4C58	Num	8	C58 - Left ventricular end diastolic dimension
144	F4C59	Num	8	C59 - Left ventricular end systolic dimension
145	F4C60	Num	8	C60 - Ejection fraction (left ventricle)
146	F4C61	Num	8	C61 - Shortening fraction (left ventricle)
147	F4C56Units	Char	20	C56 - Left ventricular end diastolic volume, units
148	F4C57Units	Char	20	C57 - Left ventricular end systolic volume, untid
149	F4C63	Num	8	C63 - Right ventricular end diastolic volume
150	F4C64	Num	8	C64 - Right ventricular end systolic volume
151	F4C65	Num	8	C65 - Ejection fraction (right ventricle)
152	F4C66	Num	8	C66 - Pulmonary regurgitant fraction (right ventricle)
153	F4C63Units	Char	20	C63 - Right ventricular end diastolic volume, units

Num	Variable	Type	Len	Label
154	F4C64Units	Char	20	C64 - Right ventricular end systolic volume, units
155	F4M01YY	Num	8	M1 - Imaging Study (year)
156	F4M02	Num	8	M2 - Height (cm)
157	F4M03	Num	8	M3 - Weight (kg)
158	F4M04SY	Num	8	M4 - Blood Pressure (systolic)
159	F4M04DS	Num	8	M4 - Blood Pressure (diastolic)
160	F4M08	Num	8	M8 - Aortic valve annulus
161	F4M09	Num	8	M9 - Sinus of Valsalva
162	F4M10	Num	8	M10 - Sino-tubular junction
163	F4M11	Num	8	M11 - Ascending aorta (largest)
164	F4M12	Num	8	M12 - Transverse arch
165	F4M13	Num	8	M13 - Isthmus
166	F4M14	Num	8	M14 - Mid-descending thoracic aorta
167	F4M15	Num	8	M15 - Lower-descending thoracic aorta
168	F4M16	Num	8	M16 - Thoracoabdominal aorta
169	F4M17	Num	8	M17 - Suprarenal abdominal aorta
170	F4M18	Num	8	M18 - Pararenal abdominal aorta
171	F4M19	Num	8	M19 - Infrarenal aorta
172	F4M24S	Num	8	M24 - Aneurysm 1 - Start Location
173	F4M24E	Num	8	M24 - Aneurysm 1 - End Location
174	F4M24L	Num	8	M24 - Aneurysm 1 - Length (cm)
175	F4M24D	Num	8	M24 - Aneurysm 1 - Diameter (cm)
176	F4M25S	Num	8	M25 - Aneurysm 2 - Start Location
177	F4M25E	Num	8	M25 - Aneurysm 2 - End Location
178	F4M25L	Num	8	M25 - Aneurysm 2 - Length (cm)
179	F4M25D	Num	8	M25 - Aneurysm 2 - Diameter (cm)
180	F4M26S	Num	8	M26 - Aneurysm 3 - Start Location
181	F4M26E	Num	8	M26 - Aneurysm 3 - End Location
182	F4M26L	Num	8	M26 - Aneurysm 3 - Length (cm)
183	F4M26D	Num	8	M26 - Aneurysm 3 - Diameter (cm)
184	F4M28S	Num	8	M28 - Dissection 1 - Start Location
185	F4M28E	Num	8	M28 - Dissection 1 - End Location
186	F4M28L	Num	8	M28 - Dissection 1 - Length (cm)
187	F4M28D	Num	8	M28 - Dissection 1 - Diameter (cm)
188	F4M29S	Num	8	M29 - Dissection 2 - Start Location
189	F4M29E	Num	8	M29 - Dissection 2 - End Location
190	F4M29L	Num	8	M29 - Dissection 2 - Length (cm)
191	F4M29D	Num	8	M29 - Dissection 2 - Diameter (cm)
192	F4M31S	Num	8	M31 - Graft 1 - Start Location

Num	Variable	Type	Len	Label
193	F4M31E	Num	8	M31 - Graft 1 - End Location
194	F4M31L	Num	8	M31 - Graft 1 - Length (cm)
195	F4M31D	Num	8	M31 - Graft 1 - Diameter (cm)
196	F4M32S	Num	8	M32 - Graft 2 - Start Location
197	F4M32E	Num	8	M32 - Graft 2 - End Location
198	F4M32L	Num	8	M32 - Graft 2 - Length (cm)
199	F4M32D	Num	8	M32 - Graft 2 - Diameter (cm)
200	F4M33S	Num	8	M33 - Graft 3 - Start Location
201	F4M33E	Num	8	M33 - Graft 3 - End Location
202	F4M33L	Num	8	M33 - Graft 3 - Length (cm)
203	F4M33D	Num	8	M33 - Graft 3 - Diameter (cm)
204	F4M34S	Num	8	M34 - Graft 4 - Start Location
205	F4M34E	Num	8	M34 - Graft 4 - End Location
206	F4M34L	Num	8	M34 - Graft 4 - Length (cm)
207	F4M34D	Num	8	M34 - Graft 4 - Diameter (cm)
208	F4M35	Num	8	M35 - Mitral valve annular diameter
209	F4M39	Num	8	M39 - Tricuspid valve diameter
210	F4M42	Num	8	M42 - Pulmonary valve annular diameter
211	F4M44	Num	8	M44 - Pulmonary stenosis
212	F4M45	Num	8	M45 - Main pulmonary artery diameter
213	F4M46	Num	8	M46 - Right pulmonary artery diameter
214	F4M47	Num	8	M47 - Left pulmonary artery diameter
215	F4M44Units	Char	20	M44 - Pulmonary stenosis, units
216	F4M52	Num	8	M52 - Peak aortic gradient
217	F4M53	Num	8	M53 - Mean aortic gradient
218	F4M56	Num	8	M56 - Left ventricular end diastolic volume
219	F4M57	Num	8	M57 - Left ventricular end systolic volume
220	F4M58	Num	8	M58 - Left ventricular end diastolic dimension
221	F4M59	Num	8	M59 - Left ventricular end systolic dimension
222	F4M60	Num	8	M60 - Ejection fraction (left ventricle)
223	F4M61	Num	8	M61 - Shortening fraction (left ventricle)
224	F4M56Units	Char	20	M56 - Left ventricular end diastolic volume, units
225	F4M57Units	Char	20	M57 - Left ventricular end systolic volume, units
226	F4M63	Num	8	M63 - Right ventricular end diastolic volume
227	F4M64	Num	8	M64 - Right ventricular end systolic volume
228	F4M65	Num	8	M65 - Ejection fraction (right ventricle)
229	F4M66	Num	8	M66 - Pulmonary regurgitant fraction (right ventricle)
230	F4M72SP	Char	500	M72 - Other cardiac anomaly (specify)
231	F4M63Units	Char	20	M63 - Right ventricular end diastolic volume, units

Num	Variable	Type	Len	Label
232	F4M64Units	Char	20	M64 - Right ventricular end systolic volume, units
233	F4C7412	Char	10	C74 - Aneurysm - None
234	F4C7512	Char	10	C75 - Dissection - None
235	F4E051	Num	8	E5 - Data Source, Medical Records
236	F4E052	Num	8	E5 - Data Source, Imaging Report
237	F4E053	Num	8	E5 - Data Source, Hard Copy/Digital Image
238	F4E054	Num	8	E5 - Data Source, Other
239	F4E06	Num	8	Q6 - For ECHO, indicate dimensions taken
240	F4E07	Num	8	E7 - Measurement Convention
241	F4E20	Num	8	E20 - Right coronary artery
242	F4E21	Num	8	E21 - Left coronary artery
243	F4E22	Num	8	E22 - Coronary fistulae
244	F4E23	Num	8	E23 - Evidence of Aortic Aneurysm
245	F4E27	Num	8	E27 - Evidence of Aortic Dissection
246	F4E30	Num	8	E30 - Evidence of Aortic Graft
247	F4E36	Num	8	E36 - Mitral regurgitation
248	F4E37	Num	8	E37 - Mitral valve prolapse
249	F4E38	Num	8	E38 - Tricuspid regurgitation
250	F4E41	Num	8	E41 - Tricuspid valve prolapse
251	F4E43	Num	8	E43 - Pulmonary regurgitation
252	F4E49	Num	8	E49 - Aortic valve morphology
253	F4E50	Num	8	E50 - Type of fusion
254	F4E51	Num	8	E51 - Aortic regurgitation
255	F4E54	Num	8	E54 - Arch sidedness
256	F4E551	Num	8	E55 - E55 - Ventricular Function, Parasternal short
257	F4E552	Num	8	E55 - Ventricular Function, Parasternal long
258	F4E553	Num	8	E55 - Ventricular Function, Simpson's biplane
259	F4E554	Num	8	E55 - Ventricular Function, unknown
260	F4E62	Num	8	E62 - Right ventricular function
261	F4E67	Num	8	E67 - Patent Foramen Ovale (PFO)/Atrial Septal Defect (ASD)
262	F4E68	Num	8	E68 - Ventricular Septal Defect
263	F4E69	Num	8	E69 - Subaortic membrane
264	F4E70	Num	8	E70 - Aortic Coarctation
265	F4E71	Num	8	E71 - Patent Ductus Arteriosus (PDA)
266	F4E72	Num	8	E72 - Other cardiac anomaly
267	F4CT	Num	8	Which modality - CT
268	F4C051	Num	8	C5 - Data Source, Medical Records
269	F4C052	Num	8	C5 - Data Source, Imaging Report
270	F4C053	Num	8	C5 - Data Source, Hard Copy/Digital Image



Num	Variable	Type	Len	Label
271	F4C054	Num	8	C5 - Data Source, Other
272	F4C07A1	Num	8	C7A - Measurement Convention (Axial)
273	F4C07B1	Num	8	C7B - Measurement Convention (Non-Contrast)
274	F4C20	Num	8	C20 - Right coronary artery
275	F4C21	Num	8	C21 - Left coronary artery
276	F4C07A2	Num	8	C7A - Measurement Convention (Double Oblique)
277	F4C07B2	Num	8	C7A - Measurement Convention (Contrast)
278	F4C23	Num	8	C23 - Evidence of Aortic Aneurysm
279	F4C27	Num	8	C27 - Evidence of Aortic Dissection
280	F4C30	Num	8	C30 - Evidence of Aortic Graft
281	F4C36	Num	8	C36 - Mitral regurgitation
282	F4C37	Num	8	C37 - Mitral valve prolapse
283	F4C38	Num	8	C38 - Tricuspid regurgitation
284	F4C41	Num	8	C41 - Tricuspid valve prolapse
285	F4C43	Num	8	C43 - Pulmonary regurgitation
286	F4C49	Num	8	C49 - Aortic valve morphology
287	F4C50	Num	8	C50 - Type of fusion
288	F4C51	Num	8	C51 - Aortic regurgitation
289	F4C54	Num	8	C54 - Arch sidedness
290	F4C55	Num	8	C55 - Ventricular Function
291	F4C62	Num	8	C62 - Right ventricular function
292	F4C67	Num	8	C67 - Patent Foramen Ovale (PFO)/Atrial Septal Defect (ASD)
293	F4C68	Num	8	C68 - Ventricular Septal Defect
294	F4C69	Num	8	C69 - Subaortic membrane
295	F4C70	Num	8	C70 - Aortic Coarctation
296	F4C71	Num	8	C71 - Patent Ductus Arteriosus (PDA)
297	F4C72	Num	8	C72 - Other cardiac anomaly
298	F4C73	Num	8	C73 - Aneurysm - Arterial tortuosity (vessels)
299	F4C76	Num	8	C76 - Scoliosis
300	F4C77	Num	8	C77 - Spondylolisthesis
301	F4C78	Num	8	C78 - Pectus deformity excavatum
302	F4C79	Num	8	C79 - Pectus deformity caranatum
303	F4C80	Num	8	C80 - Emphysema
304	F4C81	Num	8	C81 - Dural ectasia/Tarlov cyst
305	F4C82	Num	8	C82 - Pulmonary bullae
306	F4MRI	Num	8	Which modality - MRI
307	F4M051	Num	8	M5 - Data Source, Medical Records
308	F4M052	Num	8	M5 - Data Source, Imaging Report
309	F4M053	Num	8	M5 - Data Source, Hard Copy/Digital Image

Num	Variable	Type	Len	Label
310	F4M054	Num	8	M5 - Data Source, Other
311	F4M07A1	Num	8	M7A - Measurement Convention, axial
312	F4M07B1	Num	8	M7B - Measurement Convention, MRI
313	F4M20	Num	8	M20 - Right coronary artery
314	F4M21	Num	8	M21 - Left coronary artery
315	F4M07A2	Num	8	M7A - Measurement Convention, Double Oblique
316	F4M07B2	Num	8	M7B - Measurement Convention, MRA
317	F4M23	Num	8	M23 - Evidence of Aortic Aneurysm
318	F4M27	Num	8	M27 - Evidence of Aortic Dissection
319	F4M30	Num	8	M30 - Evidence of Aortic Graft
320	F4M36	Num	8	M36 - Mitral regurgitation
321	F4M37	Num	8	M37 - Mitral valve prolapse
322	F4M38	Num	8	M38 - Tricuspid regurgitation
323	F4M41	Num	8	M41 - Tricuspid valve prolapse
324	F4M43	Num	8	M43 - Pulmonary regurgitation
325	F4M49	Num	8	M49 - Aortic valve morphology
326	F4M50	Num	8	M50 - Type of fusion
327	F4M51	Num	8	M51 - Aortic regurgitation
328	F4M54	Num	8	M54 - Arch sidedness
329	F4M55	Num	8	M55 - Ventricular Function
330	F4M62	Num	8	M62 - Right ventricular function
331	F4M67	Num	8	M67 - Patent Foramen Ovale (PFO)/Atrial Septal Defect (ASD)
332	F4M68	Num	8	M68 - Ventricular Septal Defect
333	F4M69	Num	8	M69 - Subaortic membrane
334	F4M70	Num	8	M70 - Aortic Coarctation
335	F4M71	Num	8	M71 - Patent Ductus Arteriosus (PDA)
336	F4M72	Num	8	M72 - Other cardiac anomaly
337	F4M73	Num	8	M73 - Aneurysm - Arterial tortuosity (vessels)
338	F4M76	Num	8	M76 - Scoliosis
339	F4M77	Num	8	M77 - Spondylolisthesis
340	F4M78	Num	8	M78 - Pectus deformity excavatum
341	F4M79	Num	8	M79 - Pectus deformity caranatum
342	F4M80	Num	8	M80 - Emphysema
343	F4M81	Num	8	M81 - Dural ectasia\Tarlof cyst
344	F4M82	Num	8	M82 - Pulmonary bullae
345	F4M34A0	Char	50	F4M34A0
346	F4E05A	Num	8	E5A -Actual images available for transmission to DCC?
347	F4E08A	Num	8	E8A - Aortic valve annulus (Dissection)
348	F4E08B	Num	8	E8B - Aortic valve annulus (Graft)

Num	Variable	Type	Len	Label
349	F4E09A	Num	8	E9A - Sinus of Valsalva (Dissection)
350	F4E09B	Num	8	E9B - Sinus of Valsalva (Graft)
351	F4E10A	Num	8	E10A - Sino-tubular junction (Dissection)
352	F4E10B	Num	8	E10B - Sino-tubular junction (Graft)
353	F4E11A	Num	8	E11A - Ascending aorta (largest) (Dissection)
354	F4E11B	Num	8	E11A - Ascending aorta (largest) (Graft)
355	F4E12A	Num	8	E12A - Transverse arch (Dissection)
356	F4E12B	Num	8	E12B - Transverse arch (Graft)
357	F4E13A	Num	8	E13A - Isthmus (Dissection)
358	F4E13B	Num	8	E13B - Isthmus (Graft)
359	F4E14A	Num	8	E14A - Mid-descending thoracic aorta (Dissection)
360	F4E14B	Num	8	E14B - Mid-descending thoracic aorta (Graft)
361	F4E15A	Num	8	E15 - Lower-descending thoracic aorta (Dissection)
362	F4E15B	Num	8	E15 - Lower-descending thoracic aorta (Graft)
363	F4E16A	Num	8	E16 - Thoracoabdominal aorta (Dissection)
364	F4E16B	Num	8	E16 - Thoracoabdominal aorta (Graft)
365	F4E17A	Num	8	E17A- Suprarenal abdominal aorta (Dissection)
366	F4E17B	Num	8	E17B - Suprarenal abdominal aorta (Graft)
367	F4E18A	Num	8	E18A - Pararenal abdominal aorta (Dissection)
368	F4E18B	Num	8	E18B - Pararenal abdominal aorta (Graft)
369	F4E19A	Num	8	E19A - Infrarenal aorta (Dissection)
370	F4E19B	Num	8	E19B - Infrarenal aorta (Graft)
371	F4E51A	Num	8	E51A - Aortic stenosis
372	F4C05A	Num	8	Are the actual images available for review and transmission to DCC?
373	F4C08A	Num	8	C8 - Aortic valve annulus (Dissection)
374	F4C08B	Num	8	C8 - Aortic valve annulus (Graft)
375	F4C09A	Num	8	C9 - Sinus of Valsalva (Dissection)
376	F4C09B	Num	8	C9 - Sinus of Valsalva (Graft)
377	F4C10A	Num	8	C10 - Sino-tubular junction (Dissection)
378	F4C10B	Num	8	C10 - Sino-tubular junction (Graft)
379	F4C11A	Num	8	C11 - Ascending aorta (largest) (Dissection)
380	F4C11B	Num	8	C11 - Ascending aorta (largest) (Graft)
381	F4C12A	Num	8	C12 - Transverse arch (Dissection)
382	F4C12B	Num	8	C12 - Transverse arch (Graft)
383	F4C13A	Num	8	C13 - Isthmus (Dissection)
384	F4C13B	Num	8	C13 - Isthmus (Graft)
385	F4C14A	Num	8	C14 - Mid-descending thoracic aorta (Dissection)
386	F4C14B	Num	8	C14 - Mid-descending thoracic aorta (Graft)
387	F4C15A	Num	8	C15 - Lower-descending thoracic aorta (Dissection)

Num	Variable	Type	Len	Label
388	F4C15B	Num	8	C15 - Lower-descending thoracic aorta (Graft)
389	F4C16A	Num	8	C16 - Thoracoabdominal aorta (Dissection)
390	F4C16B	Num	8	C16 - Thoracoabdominal aorta (Graft)
391	F4C17A	Num	8	C17 - Suprarenal abdominal aorta (Dissection)
392	F4C17B	Num	8	C17 - Suprarenal abdominal aorta (Graft)
393	F4C18A	Num	8	C18 - Pararenal abdominal aorta (Dissection)
394	F4C18B	Num	8	C18 - Pararenal abdominal aorta (Graft)
395	F4C19A	Num	8	C19 - Infrarenal aorta (Dissection)
396	F4C19B	Num	8	C19 - Infrarenal aorta (Graft)
397	F4C51A	Num	8	C51A - Aortic stenosis
398	F4M05A	Num	8	M5A - Are the actual images available for review and transmission to DCC?
399	F4M08A	Num	8	M8 - Aortic valve annulus (Dissection)
400	F4M08B	Num	8	M8 - Aortic valve annulus (Graft)
401	F4M09A	Num	8	M9A - Sinus of Valsalva (Dissection)
402	F4M09B	Num	8	M9B - Sinus of Valsalva (Graft)
403	F4M10A	Num	8	M10A - Sino-tubular junction (Dissection)
404	F4M10B	Num	8	M10B - Sino-tubular junction (Graft)
405	F4M11A	Num	8	M11 - Ascending aorta (largest) (Dissection)
406	F4M11B	Num	8	M11 - Ascending aorta (largest) (Graft)
407	F4M12A	Num	8	M12 - Transverse arch (Dissection)
408	F4M12B	Num	8	M12 - Transverse arch (Graft)
409	F4M13A	Num	8	M13 - Isthmus (Dissection)
410	F4M13B	Num	8	M13 - Isthmus (Graft)
411	F4M14A	Num	8	M14 - Mid-descending thoracic aorta (Dissection)
412	F4M14B	Num	8	M14 - Mid-descending thoracic aorta (Graft)
413	F4M15A	Num	8	M15 - Lower-descending thoracic aorta (Dissection)
414	F4M15B	Num	8	M15 - Lower-descending thoracic aorta (Graft)
415	F4M16A	Num	8	M16 - Thoracoabdominal aorta (Dissection)
416	F4M16B	Num	8	M16 - Thoracoabdominal aorta (Graft)
417	F4M17A	Num	8	M17 - Suprarenal abdominal aorta (Dissection)
418	F4M17B	Num	8	M17 - Suprarenal abdominal aorta (Graft)
419	F4M18A	Num	8	M18 - Pararenal abdominal aorta (Dissection)
420	F4M18B	Num	8	M18 - Pararenal abdominal aorta (Graft)
421	F4M19A	Num	8	M19 - Infrarenal aorta (Dissection)
422	F4M19B	Num	8	M19 - Infrarenal aorta (Graft)
423	F4M51A	Num	8	M51A - Aortic stenosis
424	f4e01_months	Num	8	E1 - ECHO date (months from enrollment) - Estimated when mth & yr are reported
425	f4c01_months	Num	8	C1 - CT date (months from enrollment) - Estimated when mth & yr are reported
426	f4m01_months	Num	8	M1 - MRI date (months from enrollment) - Estimated when mth & yr are reported

Num	Variable	Type	Len	Label
427	F4C480	Num	8	C48 - Branch pulmonary stenosis (left)
428	F4C481	Num	8	C48 - Branch pulmonary stenosis (right)
429	F4C740	Num	8	C74 - Aneurysm - None
430	F4C741	Num	8	C74 - Aneurysm - Cerebral
431	F4C742	Num	8	C74 - Aneurysm - Carotid
432	F4C743	Num	8	C74 - Aneurysm - Subclavian
433	F4C744	Num	8	C74 - Aneurysm - Vertebral
434	F4C745	Num	8	C74 - Aneurysm - Iliac
435	F4C746	Num	8	C74 - Aneurysm - Renal
436	F4C747	Num	8	C74 - Aneurysm - Infrarenal
437	F4C748	Num	8	C74 - Aneurysm - Superior mesenteric
438	F4C749	Num	8	C74 - Aneurysm - Inferior mesenteric
439	F4C750	Num	8	C75 - Dissection - None
440	F4C751	Num	8	C75 - Dissection - Cerebral
441	F4C752	Num	8	C75 - Dissection - Carotid
442	F4C753	Num	8	C75 - Dissection - Subclavian
443	F4C754	Num	8	C75 - Dissection - Vertebral
444	F4C755	Num	8	C75 - Dissection - Iliac
445	F4C756	Num	8	C75 - Dissection - Renal
446	F4C757	Num	8	C75 - Dissection - Infrarenal
447	F4C758	Num	8	C75 - Dissection - Superior mesenteric
448	F4C759	Num	8	C75 - Dissection - Inferior mesenteric
449	F4C7410	Num	8	C74 - Aneurysm - Pelvic
450	F4C7411	Num	8	C74 - Aneurysm - Femoral
451	F4C7510	Num	8	C75 - Dissection - Pelvic
452	F4C7511	Num	8	C75 - Dissection - Femoral
453	F4C34A4	Num	8	C34 - Presence of prosthetic valves - Pulmonic
454	F4C34A1	Num	8	C34 - Presence of prosthetic valves - Aortic
455	F4C34A2	Num	8	C34 - Presence of prosthetic valves - Tricuspid
456	F4C34A3	Num	8	C34 - Presence of prosthetic valves - Mitral
457	F4E480	Num	8	E48 - Branch pulmonary stenosis (left)
458	F4E481	Num	8	E48 - Branch pulmonary stenosis (right)
459	F4E34A4	Num	8	E34 - Presence of prosthetic valves - Pulmonic
460	F4E34A1	Num	8	E34 - Presence of prosthetic valves - Aortic
461	F4E34A2	Num	8	E34 - Presence of prosthetic valves - Tricuspid
462	F4E34A3	Num	8	E34 - Presence of prosthetic valves - Mitral
463	F4M480	Num	8	M48 - Branch pulmonary stenosis (left)
464	F4M481	Num	8	M48 - Branch pulmonary stenosis (right)
465	F4M740	Num	8	M74 - Aneurysm - None

Num	Variable	Type	Len	Label
466	F4M741	Num	8	M74 - Aneurysm - Cerebral
467	F4M742	Num	8	M74 - Aneurysm - Carotid
468	F4M743	Num	8	M74 - Aneurysm - Subclavian
469	F4M744	Num	8	M74 - Aneurysm - Vertebral
470	F4M745	Num	8	M74 - Aneurysm - Iliac
471	F4M746	Num	8	M74 - Aneurysm - Renal
472	F4M747	Num	8	M74 - Aneurysm - Infrarenal
473	F4M748	Num	8	M74 - Aneurysm - Superior mesenteric
474	F4M749	Num	8	M74 - Aneurysm - Inferior mesenteric
475	F4M750	Num	8	M75 - Dissection - None
476	F4M751	Num	8	M75 - Dissection - Cerebral
477	F4M752	Num	8	M75 - Dissection - Carotid
478	F4M753	Num	8	M75 - Dissection - Subclavian
479	F4M754	Num	8	M75 - Dissection - Vertebral
480	F4M755	Num	8	M75 - Dissection - Iliac
481	F4M756	Num	8	M75 - Dissection - Renal
482	F4M757	Num	8	M75 - Dissection - Infrarenal
483	F4M758	Num	8	M75 - Dissection - Superior mesenteric
484	F4M759	Num	8	M75 - Dissection - Inferior mesenteric
485	F4M7410	Num	8	M74 - Aneurysm - Pelvic
486	F4M7411	Num	8	M74 - Aneurysm - Femoral
487	F4M7510	Num	8	M75 - Dissection - Pelvic
488	F4M7511	Num	8	M75 - Dissection - Femoral
489	F4M34A4	Num	8	M34 - Presence of prosthetic valves - Pulmonic
490	F4M34A1	Num	8	M34 - Presence of prosthetic valves - Aortic
491	F4M34A2	Num	8	M34 - Presence of prosthetic valves - Tricuspid
492	F4M34A3	Num	8	M34 - Presence of prosthetic valves - Mitral

**Data Set Name: gentacform4new.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F4E01YY	Num	8	E1 - Imaging Study (year)
3	F4E02	Num	8	E2 - Height (cm)
4	F4E03	Num	8	E3 - Weight (kg)
5	F4E04SY	Num	8	E4 - Blood Pressure (systolic)
6	F4E04DS	Num	8	E4 - Blood Pressure (diastolic)
7	F4E08	Num	8	E8 - Aortic valve annulus
8	F4E09	Num	8	E9 - Sinus of Valsalva
9	F4E10	Num	8	E10 - Sino-tubular junction
10	F4E11	Num	8	E11 - Ascending aorta (largest)
11	F4E12	Num	8	E12 - Transverse arch
12	F4E13	Num	8	E13 - Isthmus
13	F4E14	Num	8	E14 - Mid-descending thoracic aorta
14	F4E15	Num	8	E15 - Lower-descending thoracic aorta
15	F4E16	Num	8	E16 - Thoracoabdominal aorta
16	F4E18	Num	8	E18 - Pararenal abdominal aorta
17	F4E24S	Num	8	E24 - Aneurysm 1 - Start Location
18	F4E24E	Num	8	E24 - Aneurysm 1 - End Location
19	F4E24L	Num	8	E24 - Aneurysm 1 - Length (cm)
20	F4E24D	Num	8	E24 - Aneurysm 1 - Diameter (cm)
21	F4E25S	Num	8	E25 - Aneurysm 2 - Start Location
22	F4E25E	Num	8	E25 - Aneurysm 2 - End Location
23	F4E25L	Num	8	E25 - Aneurysm 2 - Length (cm)
24	F4E25D	Num	8	E25 - Aneurysm 2 - Diameter (cm)
25	F4E26S	Num	8	E26 - Aneurysm 3 - Start Location
26	F4E26E	Num	8	E26 - Aneurysm 3 - End Location
27	F4E26L	Num	8	E26 - Aneurysm 3 - Length (cm)
28	F4E26D	Num	8	E26 - Aneurysm 3 - Diameter (cm)
29	F4E28S	Num	8	E28 - Dissection 1 - Start Location
30	F4E28E	Num	8	E28 - Dissection 1 - End Location
31	F4E28L	Num	8	E28 - Dissection 1 - Length (cm)
32	F4E28D	Num	8	E28 - Dissection 1 - Diameter (cm)
33	F4E29S	Num	8	E29 - Dissection 2 - Start Location
34	F4E29E	Num	8	E29 - Dissection 2 - End Location
35	F4E29L	Num	8	E29 - Dissection 2 - Length (cm)
36	F4E29D	Num	8	E29 - Dissection 2 - Diameter (cm)

Num	Variable	Type	Len	Label
37	F4E31S	Num	8	E31 - Graft 1 - Start Location
38	F4E31E	Num	8	E31 - Graft 1 - End Location
39	F4E31L	Num	8	E31 - Graft 1 - Length (cm)
40	F4E31D	Num	8	E31 - Graft 1 - Diameter (cm)
41	F4E32S	Num	8	E32 - Graft 2 - Start Location
42	F4E32E	Num	8	E32 - Graft 2 - End Location
43	F4E32L	Num	8	E32 - Graft 2 - Length (cm)
44	F4E32D	Num	8	E32 - Graft 2 - Diameter (cm)
45	F4E33S	Num	8	E33 - Graft 3 - Start Location
46	F4E33E	Num	8	E33 - Graft 3 - End Location
47	F4E33L	Num	8	E33 - Graft 3 - Length (cm)
48	F4E33D	Num	8	E33 - Graft 3 - Diameter (cm)
49	F4E34S	Num	8	E34 - Graft 4 - Start Location
50	F4E34E	Num	8	E34 - Graft 4 - End Location
51	F4E34L	Num	8	E34 - Graft 4 - Length (cm)
52	F4E34D	Num	8	E34 - Graft 4 - Diameter (cm)
53	F4E35	Num	8	E35 - Mitral valve annular diameter
54	F4E39	Num	8	E39 - Tricuspid valve diameter
55	F4E40	Num	8	E40 - Tricuspid regurgitation velocity
56	F4E42	Num	8	E42 - Pulmonary valve annular diameter
57	F4E44	Num	8	E44 - Pulmonary stenosis
58	F4E45	Num	8	E45 - Main pulmonary artery diameter
59	F4E46	Num	8	E46 - Right pulmonary artery diameter
60	F4E47	Num	8	E47 - Left pulmonary artery diameter
61	F4E40Units	Char	20	E40 - Tricuspid regurgitation velocity, units
62	F4E44Units	Char	20	E44 - Pulmonary stenosis, peak doppler velocity, units
63	F4E52	Num	8	E52 - Peak aortic gradient
64	F4E53	Num	8	E53 - Mean aortic gradient
65	F4E56	Num	8	E56 - Left ventricular end diastolic volume
66	F4E57	Num	8	E57 - Left ventricular end systolic volume
67	F4E58	Num	8	E58 - Left ventricular end diastolic dimension
68	F4E59	Num	8	E59 - Left ventricular end systolic dimension
69	F4E60	Num	8	E60 - Ejection fraction (left ventricle)
70	F4E61	Num	8	E61 - Shortening fraction (left ventricle)
71	F4E52Units	Char	20	E52 - Peak aortic gradient, units
72	F4E53Units	Char	20	E53 - Mean aortic gradient, units
73	F4E56Units	Char	20	E56 - Left ventricular end diastolic volume, units
74	F4E57Units	Char	20	E57 - Left ventricular end systolic volume, units
75	F4E63	Num	8	E63 - Right ventricular end diastolic volume



Num	Variable	Type	Len	Label
76	F4E64	Num	8	E64 - Right ventricular end systolic volume
77	F4E65	Num	8	E65 - Ejection fraction (right ventricle)
78	F4E66	Num	8	E66 - Pulmonary regurgitant fraction (right ventricle)
79	F4E63Units	Char	20	E63 - Right ventricular end diastolic volume, units
80	F4E64Units	Char	20	E64 - Right ventricular end systolic volume, units
81	F4C01YY	Num	8	C1 - Imaging Study (year)
82	F4C02	Num	8	C2 - Height (cm)
83	F4C03	Num	8	C3 - Weight (kg)
84	F4C04SY	Num	8	C4 - Blood Pressure (systolic)
85	F4C04DS	Num	8	C4 - Blood Pressure (diastolic)
86	F4C09	Num	8	C9 - Sinus of Valsalva
87	F4C10	Num	8	C10 - Sino-tubular junction
88	F4C11	Num	8	C11 - Ascending aorta (largest)
89	F4C12	Num	8	C12 - Transverse arch
90	F4C13	Num	8	C13 - Isthmus
91	F4C14	Num	8	C14 - Mid-descending thoracic aorta
92	F4C15	Num	8	C15 - Lower-descending thoracic aorta
93	F4C16	Num	8	C16 - Thoracoabdominal aorta
94	F4C17	Num	8	C17 - Suprarenal abdominal aorta
95	F4C18	Num	8	C18 - Pararenal abdominal aorta
96	F4C19	Num	8	C19 - Infrarenal aorta
97	F4C08	Num	8	C8 - Aortic valve annulus
98	F4C24S	Num	8	C24 - Aneurysm 1 - Start Location
99	F4C24E	Num	8	C24 - Aneurysm 1 - End Location
100	F4C24L	Num	8	C24 - Aneurysm 1 - Length (cm)
101	F4C24D	Num	8	C24 - Aneurysm 1 - Diameter (cm)
102	F4C25S	Num	8	C25 - Aneurysm 2 - Start Location
103	F4C25E	Num	8	C25 - Aneurysm 2 - End Location
104	F4C25L	Num	8	C25 - Aneurysm 2 - Length (cm)
105	F4C25D	Num	8	C25 - Aneurysm 2 - Diameter (cm)
106	F4C26S	Num	8	C26 - Aneurysm 3 - Start Location
107	F4C26E	Num	8	C26 - Aneurysm 3 - End Location
108	F4C26L	Num	8	C26 - Aneurysm 3 - Length (cm)
109	F4C26D	Num	8	C26 - Aneurysm 3 - Diameter (cm)
110	F4C28S	Num	8	C28 - Dissection 1 - Start Location
111	F4C28E	Num	8	C28 - Dissection 1 - End Location
112	F4C28L	Num	8	C28 - Dissection 1 - Length (cm)
113	F4C28D	Num	8	C28 - Dissection 1 - Diameter (cm)
114	F4C29S	Num	8	C29 - Dissection 2 - Start Location

Num	Variable	Type	Len	Label
115	F4C29E	Num	8	C29 - Dissection 2 - End Location
116	F4C29L	Num	8	C29 - Dissection 2 - Length (cm)
117	F4C29D	Num	8	C29 - Dissection 2 - Diameter (cm)
118	F4C31S	Num	8	C31 - Graft 1 - Start Location
119	F4C31E	Num	8	C31 - Graft 1 - End Location
120	F4C31L	Num	8	C31 - Graft 1 - Length (cm)
121	F4C31D	Num	8	C31 - Graft 1 - Diameter (cm)
122	F4C32S	Num	8	C32 - Graft 2 - Start Location
123	F4C32E	Num	8	C32 - Graft 2 - End Location
124	F4C32L	Num	8	C32 - Graft 2 - Length (cm)
125	F4C32D	Num	8	C32 - Graft 2 - Diameter (cm)
126	F4C33S	Num	8	C33 - Graft 3 - Start Location
127	F4C33E	Num	8	C33 - Graft 3 - End Location
128	F4C33L	Num	8	C33 - Graft 3 - Length (cm)
129	F4C33D	Num	8	C33 - Graft 3 - Diameter (cm)
130	F4C34S	Num	8	C34 - Graft 4 - Start Location
131	F4C34E	Num	8	C34 - Graft 4 - End Location
132	F4C34L	Num	8	C34 - Graft 4 - Length (cm)
133	F4C34D	Num	8	C34 - Graft 4 - Diameter (cm)
134	F4C35	Num	8	C35 - Mitral valve annular diameter
135	F4C39	Num	8	C39 - Tricuspid valve diameter
136	F4C42	Num	8	C42 - Pulmonary valve annular diameter
137	F4C44	Num	8	C44 - Pulmonary stenosis
138	F4C45	Num	8	C45 - Main pulmonary artery diameter
139	F4C46	Num	8	C46 - Right pulmonary artery diameter
140	F4C47	Num	8	C47 - Left pulmonary artery diameter
141	F4C56	Num	8	C56 - Left ventricular end diastolic volume
142	F4C57	Num	8	C57 - Left ventricular end systolic volume
143	F4C58	Num	8	C58 - Left ventricular end diastolic dimension
144	F4C59	Num	8	C59 - Left ventricular end systolic dimension
145	F4C60	Num	8	C60 - Ejection fraction (left ventricle)
146	F4C61	Num	8	C61 - Shortening fraction (left ventricle)
147	F4C56Units	Char	20	C56 - Left ventricular end diastolic volume, units
148	F4C57Units	Char	20	C57 - Left ventricular end systolic volume, untid
149	F4C63	Num	8	C63 - Right ventricular end diastolic volume
150	F4C64	Num	8	C64 - Right ventricular end systolic volume
151	F4C65	Num	8	C65 - Ejection fraction (right ventricle)
152	F4C66	Num	8	C66 - Pulmonary regurgitant fraction (right ventricle)
153	F4C63Units	Char	20	C63 - Right ventricular end diastolic volume, units

Num	Variable	Type	Len	Label
154	F4C64Units	Char	20	C64 - Right ventricular end systolic volume, units
155	F4M01YY	Num	8	M1 - Imaging Study (year)
156	F4M02	Num	8	M2 - Height (cm)
157	F4M03	Num	8	M3 - Weight (kg)
158	F4M04SY	Num	8	M4 - Blood Pressure (systolic)
159	F4M04DS	Num	8	M4 - Blood Pressure (diastolic)
160	F4M08	Num	8	M8 - Aortic valve annulus
161	F4M09	Num	8	M9 - Sinus of Valsalva
162	F4M10	Num	8	M10 - Sino-tubular junction
163	F4M11	Num	8	M11 - Ascending aorta (largest)
164	F4M12	Num	8	M12 - Transverse arch
165	F4M13	Num	8	M13 - Isthmus
166	F4M14	Num	8	M14 - Mid-descending thoracic aorta
167	F4M15	Num	8	M15 - Lower-descending thoracic aorta
168	F4M16	Num	8	M16 - Thoracoabdominal aorta
169	F4M17	Num	8	M17 - Suprarenal abdominal aorta
170	F4M18	Num	8	M18 - Pararenal abdominal aorta
171	F4M19	Num	8	M19 - Infrarenal aorta
172	F4M24S	Num	8	M24 - Aneurysm 1 - Start Location
173	F4M24E	Num	8	M24 - Aneurysm 1 - End Location
174	F4M24L	Num	8	M24 - Aneurysm 1 - Length (cm)
175	F4M24D	Num	8	M24 - Aneurysm 1 - Diameter (cm)
176	F4M25S	Num	8	M25 - Aneurysm 2 - Start Location
177	F4M25E	Num	8	M25 - Aneurysm 2 - End Location
178	F4M25L	Num	8	M25 - Aneurysm 2 - Length (cm)
179	F4M25D	Num	8	M25 - Aneurysm 2 - Diameter (cm)
180	F4M26S	Num	8	M26 - Aneurysm 3 - Start Location
181	F4M26E	Num	8	M26 - Aneurysm 3 - End Location
182	F4M26L	Num	8	M26 - Aneurysm 3 - Length (cm)
183	F4M26D	Num	8	M26 - Aneurysm 3 - Diameter (cm)
184	F4M28S	Num	8	M28 - Dissection 1 - Start Location
185	F4M28E	Num	8	M28 - Dissection 1 - End Location
186	F4M28L	Num	8	M28 - Dissection 1 - Length (cm)
187	F4M28D	Num	8	M28 - Dissection 1 - Diameter (cm)
188	F4M29S	Num	8	M29 - Dissection 2 - Start Location
189	F4M29E	Num	8	M29 - Dissection 2 - End Location
190	F4M29L	Num	8	M29 - Dissection 2 - Length (cm)
191	F4M29D	Num	8	M29 - Dissection 2 - Diameter (cm)
192	F4M31S	Num	8	M31 - Graft 1 - Start Location

Num	Variable	Type	Len	Label
193	F4M31E	Num	8	M31 - Graft 1 - End Location
194	F4M31L	Num	8	M31 - Graft 1 - Length (cm)
195	F4M31D	Num	8	M31 - Graft 1 - Diameter (cm)
196	F4M32S	Num	8	M32 - Graft 2 - Start Location
197	F4M32E	Num	8	M32 - Graft 2 - End Location
198	F4M32L	Num	8	M32 - Graft 2 - Length (cm)
199	F4M32D	Num	8	M32 - Graft 2 - Diameter (cm)
200	F4M33S	Num	8	M33 - Graft 3 - Start Location
201	F4M33E	Num	8	M33 - Graft 3 - End Location
202	F4M33L	Num	8	M33 - Graft 3 - Length (cm)
203	F4M33D	Num	8	M33 - Graft 3 - Diameter (cm)
204	F4M34S	Num	8	M34 - Graft 4 - Start Location
205	F4M34E	Num	8	M34 - Graft 4 - End Location
206	F4M34L	Num	8	M34 - Graft 4 - Length (cm)
207	F4M34D	Num	8	M34 - Graft 4 - Diameter (cm)
208	F4M35	Num	8	M35 - Mitral valve annular diameter
209	F4M39	Num	8	M39 - Tricuspid valve diameter
210	F4M42	Num	8	M42 - Pulmonary valve annular diameter
211	F4M44	Num	8	M44 - Pulmonary stenosis
212	F4M45	Num	8	M45 - Main pulmonary artery diameter
213	F4M46	Num	8	M46 - Right pulmonary artery diameter
214	F4M47	Num	8	M47 - Left pulmonary artery diameter
215	F4M44Units	Char	20	M44 - Pulmonary stenosis, units
216	F4M52	Num	8	M52 - Peak aortic gradient
217	F4M53	Num	8	M53 - Mean aortic gradient
218	F4M56	Num	8	M56 - Left ventricular end diastolic volume
219	F4M57	Num	8	M57 - Left ventricular end systolic volume
220	F4M58	Num	8	M58 - Left ventricular end diastolic dimension
221	F4M59	Num	8	M59 - Left ventricular end systolic dimension
222	F4M60	Num	8	M60 - Ejection fraction (left ventricle)
223	F4M61	Num	8	M61 - Shortening fraction (left ventricle)
224	F4M56Units	Char	20	M56 - Left ventricular end diastolic volume, units
225	F4M57Units	Char	20	M57 - Left ventricular end systolic volume, units
226	F4M63	Num	8	M63 - Right ventricular end diastolic volume
227	F4M64	Num	8	M64 - Right ventricular end systolic volume
228	F4M65	Num	8	M65 - Ejection fraction (right ventricle)
229	F4M66	Num	8	M66 - Pulmonary regurgitant fraction (right ventricle)
230	F4M72SP	Char	500	M72 - Other cardiac anomaly (specify)
231	F4M63Units	Char	20	M63 - Right ventricular end diastolic volume, units

Num	Variable	Type	Len	Label
232	F4M64Units	Char	20	M64 - Right ventricular end systolic volume, units
233	F4C7412	Char	10	C74 - Aneurysm - None
234	F4C7512	Char	10	C75 - Dissection - None
235	F4E051	Num	8	E5 - Data Source, Medical Records
236	F4E052	Num	8	E5 - Data Source, Imaging Report
237	F4E053	Num	8	E5 - Data Source, Hard Copy/Digital Image
238	F4E054	Num	8	E5 - Data Source, Other
239	F4E06	Num	8	Q6 - For ECHO, indicate dimensions taken
240	F4E07	Num	8	E7 - Measurement Convention
241	F4E20	Num	8	E20 - Right coronary artery
242	F4E21	Num	8	E21 - Left coronary artery
243	F4E22	Num	8	E22 - Coronary fistulae
244	F4E23	Num	8	E23 - Evidence of Aortic Aneurysm
245	F4E27	Num	8	E27 - Evidence of Aortic Dissection
246	F4E30	Num	8	E30 - Evidence of Aortic Graft
247	F4E36	Num	8	E36 - Mitral regurgitation
248	F4E37	Num	8	E37 - Mitral valve prolapse
249	F4E38	Num	8	E38 - Tricuspid regurgitation
250	F4E41	Num	8	E41 - Tricuspid valve prolapse
251	F4E43	Num	8	E43 - Pulmonary regurgitation
252	F4E49	Num	8	E49 - Aortic valve morphology
253	F4E50	Num	8	E50 - Type of fusion
254	F4E51	Num	8	E51 - Aortic regurgitation
255	F4E54	Num	8	E54 - Arch sidedness
256	F4E551	Num	8	E55 - E55 - Ventricular Function, Parasternal short
257	F4E552	Num	8	E55 - Ventricular Function, Parasternal long
258	F4E553	Num	8	E55 - Ventricular Function, Simpson's biplane
259	F4E554	Num	8	E55 - Ventricular Function, unknown
260	F4E62	Num	8	E62 - Right ventricular function
261	F4E67	Num	8	E67 - Patent Foramen Ovale (PFO)/Atrial Septal Defect (ASD)
262	F4E68	Num	8	E68 - Ventricular Septal Defect
263	F4E69	Num	8	E69 - Subaortic membrane
264	F4E70	Num	8	E70 - Aortic Coarctation
265	F4E71	Num	8	E71 - Patent Ductus Arteriosus (PDA)
266	F4E72	Num	8	E72 - Other cardiac anomaly
267	F4CT	Num	8	Which modality - CT
268	F4C051	Num	8	C5 - Data Source, Medical Records
269	F4C052	Num	8	C5 - Data Source, Imaging Report
270	F4C053	Num	8	C5 - Data Source, Hard Copy/Digital Image

Num	Variable	Type	Len	Label
271	F4C054	Num	8	C5 - Data Source, Other
272	F4C07A1	Num	8	C7A - Measurement Convention (Axial)
273	F4C07B1	Num	8	C7B - Measurement Convention (Non-Contrast)
274	F4C20	Num	8	C20 - Right coronary artery
275	F4C21	Num	8	C21 - Left coronary artery
276	F4C07A2	Num	8	C7A - Measurement Convention (Double Oblique)
277	F4C07B2	Num	8	C7A - Measurement Convention (Contrast)
278	F4C23	Num	8	C23 - Evidence of Aortic Aneurysm
279	F4C27	Num	8	C27 - Evidence of Aortic Dissection
280	F4C30	Num	8	C30 - Evidence of Aortic Graft
281	F4C36	Num	8	C36 - Mitral regurgitation
282	F4C37	Num	8	C37 - Mitral valve prolapse
283	F4C38	Num	8	C38 - Tricuspid regurgitation
284	F4C41	Num	8	C41 - Tricuspid valve prolapse
285	F4C43	Num	8	C43 - Pulmonary regurgitation
286	F4C49	Num	8	C49 - Aortic valve morphology
287	F4C50	Num	8	C50 - Type of fusion
288	F4C51	Num	8	C51 - Aortic regurgitation
289	F4C54	Num	8	C54 - Arch sidedness
290	F4C55	Num	8	C55 - Ventricular Function
291	F4C62	Num	8	C62 - Right ventricular function
292	F4C67	Num	8	C67 - Patent Foramen Ovale (PFO)/Atrial Septal Defect (ASD)
293	F4C68	Num	8	C68 - Ventricular Septal Defect
294	F4C69	Num	8	C69 - Subaortic membrane
295	F4C70	Num	8	C70 - Aortic Coarctation
296	F4C71	Num	8	C71 - Patent Ductus Arteriosus (PDA)
297	F4C72	Num	8	C72 - Other cardiac anomaly
298	F4C73	Num	8	C73 - Aneurysm - Arterial tortuosity (vessels)
299	F4C76	Num	8	C76 - Scoliosis
300	F4C77	Num	8	C77 - Spondylolisthesis
301	F4C78	Num	8	C78 - Pectus deformity excavatum
302	F4C79	Num	8	C79 - Pectus deformity caranatum
303	F4C80	Num	8	C80 - Emphysema
304	F4C81	Num	8	C81 - Dural ectasia/Tarlov cyst
305	F4C82	Num	8	C82 - Pulmonary bullae
306	F4MRI	Num	8	Which modality - MRI
307	F4M051	Num	8	M5 - Data Source, Medical Records
308	F4M052	Num	8	M5 - Data Source, Imaging Report
309	F4M053	Num	8	M5 - Data Source, Hard Copy/Digital Image

Num	Variable	Type	Len	Label
310	F4M054	Num	8	M5 - Data Source, Other
311	F4M07A1	Num	8	M7A - Measurement Convention, axial
312	F4M07B1	Num	8	M7B - Measurement Convention, MRI
313	F4M20	Num	8	M20 - Right coronary artery
314	F4M21	Num	8	M21 - Left coronary artery
315	F4M07A2	Num	8	M7A - Measurement Convention, Double Oblique
316	F4M07B2	Num	8	M7B - Measurement Convention, MRA
317	F4M23	Num	8	M23 - Evidence of Aortic Aneurysm
318	F4M27	Num	8	M27 - Evidence of Aortic Dissection
319	F4M30	Num	8	M30 - Evidence of Aortic Graft
320	F4M36	Num	8	M36 - Mitral regurgitation
321	F4M37	Num	8	M37 - Mitral valve prolapse
322	F4M38	Num	8	M38 - Tricuspid regurgitation
323	F4M41	Num	8	M41 - Tricuspid valve prolapse
324	F4M43	Num	8	M43 - Pulmonary regurgitation
325	F4M49	Num	8	M49 - Aortic valve morphology
326	F4M50	Num	8	M50 - Type of fusion
327	F4M51	Num	8	M51 - Aortic regurgitation
328	F4M54	Num	8	M54 - Arch sidedness
329	F4M55	Num	8	M55 - Ventricular Function
330	F4M62	Num	8	M62 - Right ventricular function
331	F4M67	Num	8	M67 - Patent Foramen Ovale (PFO)/Atrial Septal Defect (ASD)
332	F4M68	Num	8	M68 - Ventricular Septal Defect
333	F4M69	Num	8	M69 - Subaortic membrane
334	F4M70	Num	8	M70 - Aortic Coarctation
335	F4M71	Num	8	M71 - Patent Ductus Arteriosus (PDA)
336	F4M72	Num	8	M72 - Other cardiac anomaly
337	F4M73	Num	8	M73 - Aneurysm - Arterial tortuosity (vessels)
338	F4M76	Num	8	M76 - Scoliosis
339	F4M77	Num	8	M77 - Spondylolisthesis
340	F4M78	Num	8	M78 - Pectus deformity excavatum
341	F4M79	Num	8	M79 - Pectus deformity caranatum
342	F4M80	Num	8	M80 - Emphysema
343	F4M81	Num	8	M81 - Dural ectasia\Tarlof cyst
344	F4M82	Num	8	M82 - Pulmonary bullae
345	F4E05A	Num	8	E5A -Actual images available for transmission to DCC?
346	F4E08A	Num	8	E8A - Aortic valve annulus (Dissection)
347	F4E08B	Num	8	E8B - Aortic valve annulus (Graft)
348	F4E09A	Num	8	E9A - Sinus of Valsalva (Dissection)

Num	Variable	Type	Len	Label
349	F4E09B	Num	8	E9B - Sinus of Valsalva (Graft)
350	F4E10A	Num	8	E10A - Sino-tubular junction (Dissection)
351	F4E10B	Num	8	E10B - Sino-tubular junction (Graft)
352	F4E11A	Num	8	E11A - Ascending aorta (largest) (Dissection)
353	F4E11B	Num	8	E11A - Ascending aorta (largest) (Graft)
354	F4E12A	Num	8	E12A - Transverse arch (Dissection)
355	F4E12B	Num	8	E12B - Transverse arch (Graft)
356	F4E13A	Num	8	E13A - Isthmus (Dissection)
357	F4E13B	Num	8	E13B - Isthmus (Graft)
358	F4E14A	Num	8	E14A - Mid-descending thoracic aorta (Dissection)
359	F4E14B	Num	8	E14B - Mid-descending thoracic aorta (Graft)
360	F4E15A	Num	8	E15 - Lower-descending thoracic aorta (Dissection)
361	F4E15B	Num	8	E15 - Lower-descending thoracic aorta (Graft)
362	F4E16A	Num	8	E16 - Thoracoabdominal aorta (Dissection)
363	F4E16B	Num	8	E16 - Thoracoabdominal aorta (Graft)
364	F4E17A	Num	8	E17A- Suprarenal abdominal aorta (Dissection)
365	F4E17B	Num	8	E17B - Suprarenal abdominal aorta (Graft)
366	F4E18A	Num	8	E18A - Pararenal abdominal aorta (Dissection)
367	F4E18B	Num	8	E18B - Pararenal abdominal aorta (Graft)
368	F4E19A	Num	8	E19A - Infrarenal aorta (Dissection)
369	F4E19B	Num	8	E19B - Infrarenal aorta (Graft)
370	F4E51A	Num	8	E51A - Aortic stenosis
371	F4C05A	Num	8	Are the actual images available for review and transmission to DCC?
372	F4C08A	Num	8	C8 - Aortic valve annulus (Dissection)
373	F4C08B	Num	8	C8 - Aortic valve annulus (Graft)
374	F4C09A	Num	8	C9 - Sinus of Valsalva (Dissection)
375	F4C09B	Num	8	C9 - Sinus of Valsalva (Graft)
376	F4C10A	Num	8	C10 - Sino-tubular junction (Dissection)
377	F4C10B	Num	8	C10 - Sino-tubular junction (Graft)
378	F4C11A	Num	8	C11 - Ascending aorta (largest) (Dissection)
379	F4C11B	Num	8	C11 - Ascending aorta (largest) (Graft)
380	F4C12A	Num	8	C12 - Transverse arch (Dissection)
381	F4C12B	Num	8	C12 - Transverse arch (Graft)
382	F4C13A	Num	8	C13 - Isthmus (Dissection)
383	F4C13B	Num	8	C13 - Isthmus (Graft)
384	F4C14A	Num	8	C14 - Mid-descending thoracic aorta (Dissection)
385	F4C14B	Num	8	C14 - Mid-descending thoracic aorta (Graft)
386	F4C15A	Num	8	C15 - Lower-descending thoracic aorta (Dissection)
387	F4C15B	Num	8	C15 - Lower-descending thoracic aorta (Graft)



Num	Variable	Type	Len	Label
388	F4C16A	Num	8	C16 - Thoracoabdominal aorta (Dissection)
389	F4C16B	Num	8	C16 - Thoracoabdominal aorta (Graft)
390	F4C17A	Num	8	C17 - Suprarenal abdominal aorta (Dissection)
391	F4C17B	Num	8	C17 - Suprarenal abdominal aorta (Graft)
392	F4C18A	Num	8	C18 - Pararenal abdominal aorta (Dissection)
393	F4C18B	Num	8	C18 - Pararenal abdominal aorta (Graft)
394	F4C19A	Num	8	C19 - Infrarenal aorta (Dissection)
395	F4C19B	Num	8	C19 - Infrarenal aorta (Graft)
396	F4C51A	Num	8	C51A - Aortic stenosis
397	F4M05A	Num	8	M5A - Are the actual images available for review and transmission to DCC?
398	F4M08A	Num	8	M8 - Aortic valve annulus (Dissection)
399	F4M08B	Num	8	M8 - Aortic valve annulus (Graft)
400	F4M09A	Num	8	M9A - Sinus of Valsalva (Dissection)
401	F4M09B	Num	8	M9B - Sinus of Valsalva (Graft)
402	F4M10A	Num	8	M10A - Sino-tubular junction (Dissection)
403	F4M10B	Num	8	M10B - Sino-tubular junction (Graft)
404	F4M11A	Num	8	M11 - Ascending aorta (largest) (Dissection)
405	F4M11B	Num	8	M11 - Ascending aorta (largest) (Graft)
406	F4M12A	Num	8	M12 - Transverse arch (Dissection)
407	F4M12B	Num	8	M12 - Transverse arch (Graft)
408	F4M13A	Num	8	M13 - Isthmus (Dissection)
409	F4M13B	Num	8	M13 - Isthmus (Graft)
410	F4M14A	Num	8	M14 - Mid-descending thoracic aorta (Dissection)
411	F4M14B	Num	8	M14 - Mid-descending thoracic aorta (Graft)
412	F4M15A	Num	8	M15 - Lower-descending thoracic aorta (Dissection)
413	F4M15B	Num	8	M15 - Lower-descending thoracic aorta (Graft)
414	F4M16A	Num	8	M16 - Thoracoabdominal aorta (Dissection)
415	F4M16B	Num	8	M16 - Thoracoabdominal aorta (Graft)
416	F4M17A	Num	8	M17 - Suprarenal abdominal aorta (Dissection)
417	F4M17B	Num	8	M17 - Suprarenal abdominal aorta (Graft)
418	F4M18A	Num	8	M18 - Pararenal abdominal aorta (Dissection)
419	F4M18B	Num	8	M18 - Pararenal abdominal aorta (Graft)
420	F4M19A	Num	8	M19 - Infrarenal aorta (Dissection)
421	F4M19B	Num	8	M19 - Infrarenal aorta (Graft)
422	F4M51A	Num	8	M51A - Aortic stenosis
423	f4e01_months	Num	8	E1 - ECHO date (months from enrollment) - Estimated when mth & yr are reported
424	f4c01_months	Num	8	C1 - CT date (months from enrollment) - Estimated when mth & yr are reported
425	f4m01_months	Num	8	M1 - MRI date (months from enrollment) - Estimated when mth & yr are reported
426	F4C480	Num	8	C48 - Branch pulmonary stenosis (left)

Num	Variable	Type	Len	Label
427	F4C481	Num	8	C48 - Branch pulmonary stenosis (right)
428	F4C740	Num	8	C74 - Aneurysm - None
429	F4C741	Num	8	C74 - Aneurysm - Cerebral
430	F4C742	Num	8	C74 - Aneurysm - Carotid
431	F4C743	Num	8	C74 - Aneurysm - Subclavian
432	F4C744	Num	8	C74 - Aneurysm - Vertebral
433	F4C745	Num	8	C74 - Aneurysm - Iliac
434	F4C746	Num	8	C74 - Aneurysm - Renal
435	F4C747	Num	8	C74 - Aneurysm - Infrarenal
436	F4C748	Num	8	C74 - Aneurysm - Superior mesenteric
437	F4C749	Num	8	C74 - Aneurysm - Inferior mesenteric
438	F4C750	Num	8	C75 - Dissection - None
439	F4C751	Num	8	C75 - Dissection - Cerebral
440	F4C752	Num	8	C75 - Dissection - Carotid
441	F4C753	Num	8	C75 - Dissection - Subclavian
442	F4C754	Num	8	C75 - Dissection - Vertebral
443	F4C755	Num	8	C75 - Dissection - Iliac
444	F4C756	Num	8	C75 - Dissection - Renal
445	F4C757	Num	8	C75 - Dissection - Infrarenal
446	F4C758	Num	8	C75 - Dissection - Superior mesenteric
447	F4C759	Num	8	C75 - Dissection - Inferior mesenteric
448	F4C7410	Num	8	C74 - Aneurysm - Pelvic
449	F4C7411	Num	8	C74 - Aneurysm - Femoral
450	F4C7510	Num	8	C75 - Dissection - Pelvic
451	F4C7511	Num	8	C75 - Dissection - Femoral
452	F4C34A4	Num	8	C34 - Presence of prosthetic valves - Pulmonic
453	F4C34A1	Num	8	C34 - Presence of prosthetic valves - Aortic
454	F4C34A2	Num	8	C34 - Presence of prosthetic valves - Tricuspid
455	F4C34A3	Num	8	C34 - Presence of prosthetic valves - Mitral
456	F4E480	Num	8	E48 - Branch pulmonary stenosis (left)
457	F4E481	Num	8	E48 - Branch pulmonary stenosis (right)
458	F4E34A4	Num	8	E34 - Presence of prosthetic valves - Pulmonic
459	F4E34A1	Num	8	E34 - Presence of prosthetic valves - Aortic
460	F4E34A2	Num	8	E34 - Presence of prosthetic valves - Tricuspid
461	F4E34A3	Num	8	E34 - Presence of prosthetic valves - Mitral
462	F4M480	Num	8	M48 - Branch pulmonary stenosis (left)
463	F4M481	Num	8	M48 - Branch pulmonary stenosis (right)
464	F4M740	Num	8	M74 - Aneurysm - None
465	F4M741	Num	8	M74 - Aneurysm - Cerebral

Num	Variable	Type	Len	Label
466	F4M742	Num	8	M74 - Aneurysm - Carotid
467	F4M743	Num	8	M74 - Aneurysm - Subclavian
468	F4M744	Num	8	M74 - Aneurysm - Vertebral
469	F4M745	Num	8	M74 - Aneurysm - Iliac
470	F4M746	Num	8	M74 - Aneurysm - Renal
471	F4M747	Num	8	M74 - Aneurysm - Infrarenal
472	F4M748	Num	8	M74 - Aneurysm - Superior mesenteric
473	F4M749	Num	8	M74 - Aneurysm - Inferior mesenteric
474	F4M750	Num	8	M75 - Dissection - None
475	F4M751	Num	8	M75 - Dissection - Cerebral
476	F4M752	Num	8	M75 - Dissection - Carotid
477	F4M753	Num	8	M75 - Dissection - Subclavian
478	F4M754	Num	8	M75 - Dissection - Vertebral
479	F4M755	Num	8	M75 - Dissection - Iliac
480	F4M756	Num	8	M75 - Dissection - Renal
481	F4M757	Num	8	M75 - Dissection - Infrarenal
482	F4M758	Num	8	M75 - Dissection - Superior mesenteric
483	F4M759	Num	8	M75 - Dissection - Inferior mesenteric
484	F4M7410	Num	8	M74 - Aneurysm - Pelvic
485	F4M7411	Num	8	M74 - Aneurysm - Femoral
486	F4M7510	Num	8	M75 - Dissection - Pelvic
487	F4M7511	Num	8	M75 - Dissection - Femoral
488	F4M34A4	Num	8	M34 - Presence of prosthetic valves - Pulmonic
489	F4M34A1	Num	8	M34 - Presence of prosthetic valves - Aortic
490	F4M34A2	Num	8	M34 - Presence of prosthetic valves - Tricuspid
491	F4M34A3	Num	8	M34 - Presence of prosthetic valves - Mitral

**Data Set Name: gentacform6.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F6A1YY	Num	8	A1 - Karyotyping year
3	F6A2YY	Num	8	A2 - FISH year
4	F6A3AYY	Num	8	A3A - FBN1 year
5	F6A3BYY	Num	8	A3B - FBN2 year
6	F6A3CYY	Num	8	A3C - TGFBR1 year
7	F6A3DYY	Num	8	A3D - TGFBR2 year
8	F6A3EYY	Num	8	A3E - COL5A1 year
9	F6A3FYY	Num	8	A3F - COL5A2 year
10	F6A3GY	Num	8	A3G - COL3A1 year
11	F6A3HYY	Num	8	A3H - Tenascin X year
12	F6A3IYY	Num	8	A3I - ACTA2 year
13	F6A3JYY	Num	8	A3J - MYH11 year
14	F6A1KT	Num	8	A1 - Was Karyotyping done on this patient?
15	F6A2FS	Num	8	A2 - Was FISH analysis done on this patient?
16	F6A3GT	Num	8	A3 - Was genetic testing done on this patient?
17	F6A3ARS	Num	8	A3A - FBN1 result
18	F6A3AMD	Num	8	A3A - FBN1 mode
19	F6A3ATT	Num	8	A3A - FBN1 test type
20	F6A3BRS	Num	8	A3B - FBN2 result
21	F6A3BMD	Num	8	A3B - FBN2 mode
22	F6A3BTT	Num	8	A3B - FBN2 test type
23	F6A3CRS	Num	8	A3C - TGFBR1 result
24	F6A3CMD	Num	8	A3C - TGFBR1 mode
25	F6A3CTT	Num	8	A3C - TGFBR1 test type
26	F6A3DRS	Num	8	A3D - TGFBR2 result
27	F6A3DMD	Num	8	A3D - TGFBR2 mode
28	F6A3DTT	Num	8	A3D - TGFBR2 test type
29	F6A3ERS	Num	8	A3E - COL5A1 result
30	F6A3EMD	Num	8	A3E - COL5A1 mode
31	F6A3ETT	Num	8	A3E - COL5A1 test type
32	F6A3FRS	Num	8	A3F - COL5A2 result
33	F6A3FMD	Num	8	A3F - COL5A2 mode
34	F6A3FTT	Num	8	A3F - COL5A2 test type
35	F6A3GRS	Num	8	A3G - COL3A1 result
36	F6A3GMD	Num	8	A3G - COL3A1 mode

Num	Variable	Type	Len	Label
37	F6A3GTT	Num	8	A3G - COL3A1 test type
38	F6A3HRS	Num	8	A3H - Tenascin X result
39	F6A3HMD	Num	8	A3H - Tenascin X mode
40	F6A3HTT	Num	8	A3H - Tenascin X test type
41	F6A3IRS	Num	8	A3I - ACTA2 result
42	F6A3IMD	Num	8	A3I - ACTA2 mode
43	F6A3ITT	Num	8	A3I - ACTA2 test type
44	F6A3JRS	Num	8	A3J - MYH11 result
45	F6A3JMD	Num	8	A3J - MYH11 mode
46	F6A3JTT	Num	8	A3J - MYH11 test type
47	f6a1_months	Num	8	A1 - Karyotyping date(months from enrollment). Estimated when month & year are reported
48	f6a2_months	Num	8	A2 - FISH date (months from enrollment). Estimated when month & year are reported
49	f6a3a_months	Num	8	A3A - FBN1 date (months from enrollment). Estimated when month & year are reported
50	f6a3b_months	Num	8	A3B - FBN2 date (months from enrollment). Estimated when month & year are reported
51	f6a3c_months	Num	8	A3C - TGFBR1 date (months from enrollment). Estimated when month & year are reported
52	f6a3d_months	Num	8	A3D - TGFBR2 date (months from enrollment). Estimated when month & year are reported
53	f6a3e_months	Num	8	A3E - COL5A1 date (months from enrollment). Estimated when month & year are reported
54	f6a3f_months	Num	8	A3F - COL5A2 date (months from enrollment). Estimated when month & year are reported
55	f6a3g_months	Num	8	A3G - COL3A1 date (months from enrollment). Estimated when month & year are reported
56	f6a3h_months	Num	8	A3H - Tenascin X date (months from enrollment). Estimated when month & year are reported
57	f6a3i_months	Num	8	A3I - ACTA2 date (months from enrollment). Estimated when month & year are reported
58	f6a3j_months	Num	8	A3J - MYH11 date (months from enrollment). Estimated when month & year are reported

**Data Set Name: gentacform6fu.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F6A1YY	Num	8	A1 - Karyotyping year
3	F6A2YY	Num	8	A2 - FISH year
4	F6A3AYY	Num	8	A3A - FBN1 year
5	F6A3BYY	Num	8	A3B - FBN2 year
6	F6A3CYY	Num	8	A3C - TGFBR1 year
7	F6A3DYY	Num	8	A3D - TGFBR2 year
8	F6A3EYY	Num	8	A3E - COL5A1 year
9	F6A3FYY	Num	8	A3F - COL5A2 year
10	F6A3GY	Num	8	A3G - COL3A1 year
11	F6A3HYY	Num	8	A3H - Tenascin X year
12	F6A3IYY	Num	8	A3I - ACTA2 year
13	F6A3JYY	Num	8	A3J - MYH11 year
14	F6A1KT	Num	8	A1 - Was Karyotyping done on this patient?
15	F6A2FS	Num	8	A2 - Was FISH analysis done on this patient?
16	F6A3GT	Num	8	A3 - Was genetic testing done on this patient?
17	F6A3ARS	Num	8	A3A - FBN1 result
18	F6A3AMD	Num	8	A3A - FBN1 mode
19	F6A3ATT	Num	8	A3A - FBN1 test type
20	F6A3BRS	Num	8	A3B - FBN2 result
21	F6A3BMD	Num	8	A3B - FBN2 mode
22	F6A3BTT	Num	8	A3B - FBN2 test type
23	F6A3CRS	Num	8	A3C - TGFBR1 result
24	F6A3CMD	Num	8	A3C - TGFBR1 mode
25	F6A3CTT	Num	8	A3C - TGFBR1 test type
26	F6A3DRS	Num	8	A3D - TGFBR2 result
27	F6A3DMD	Num	8	A3D - TGFBR2 mode
28	F6A3DTT	Num	8	A3D - TGFBR2 test type
29	F6A3ERS	Num	8	A3E - COL5A1 result
30	F6A3EMD	Num	8	A3E - COL5A1 mode
31	F6A3ETT	Num	8	A3E - COL5A1 test type
32	F6A3FRS	Num	8	A3F - COL5A2 result
33	F6A3FMD	Num	8	A3F - COL5A2 mode
34	F6A3FTT	Num	8	A3F - COL5A2 test type
35	F6A3GRS	Num	8	A3G - COL3A1 result
36	F6A3GMD	Num	8	A3G - COL3A1 mode

Num	Variable	Type	Len	Label
37	F6A3GTT	Num	8	A3G - COL3A1 test type
38	F6A3HRS	Num	8	A3H - Tenascin X result
39	F6A3HMD	Num	8	A3H - Tenascin X mode
40	F6A3HTT	Num	8	A3H - Tenascin X test type
41	F6A3IRS	Num	8	A3I - ACTA2 result
42	F6A3IMD	Num	8	A3I - ACTA2 mode
43	F6A3ITT	Num	8	A3I - ACTA2 test type
44	F6A3JRS	Num	8	A3J - MYH11 result
45	F6A3JMD	Num	8	A3J - MYH11 mode
46	F6A3JTT	Num	8	A3J - MYH11 test type
47	f6a1_months	Num	8	A1 - Karyotyping date(months from enrollment). Estimated when month & year are reported
48	f6a2_months	Num	8	A2 - FISH date (months from enrollment). Estimated when month & year are reported
49	f6a3a_months	Num	8	A3A - FBN1 date (months from enrollment). Estimated when month & year are reported
50	f6a3b_months	Num	8	A3B - FBN2 date (months from enrollment). Estimated when month & year are reported
51	f6a3c_months	Num	8	A3C - TGFBR1 date (months from enrollment). Estimated when month & year are reported
52	f6a3d_months	Num	8	A3D - TGFBR2 date (months from enrollment). Estimated when month & year are reported
53	f6a3e_months	Num	8	A3E - COL5A1 date (months from enrollment). Estimated when month & year are reported
54	f6a3f_months	Num	8	A3F - COL5A2 date (months from enrollment). Estimated when month & year are reported
55	f6a3g_months	Num	8	A3G - COL3A1 date (months from enrollment). Estimated when month & year are reported
56	f6a3h_months	Num	8	A3H - Tenascin X date (months from enrollment). Estimated when month & year are reported
57	f6a3i_months	Num	8	A3I - ACTA2 date (months from enrollment). Estimated when month & year are reported
58	f6a3j_months	Num	8	A3J - MYH11 date (months from enrollment). Estimated when month & year are reported

**Data Set Name: gentacform6new.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F6A1YY	Num	8	A1 - Karyotyping year
3	F6A2YY	Num	8	A2 - FISH year
4	F6A3AYY	Num	8	A3A - FBN1 year
5	F6A3BYY	Num	8	A3B - FBN2 year
6	F6A3CYY	Num	8	A3C - TGFBR1 year
7	F6A3DYY	Num	8	A3D - TGFBR2 year
8	F6A3EYY	Num	8	A3E - COL5A1 year
9	F6A3FYY	Num	8	A3F - COL5A2 year
10	F6A3GY	Num	8	A3G - COL3A1 year
11	F6A3HYY	Num	8	A3H - Tenascin X year
12	F6A3IYY	Num	8	A3I - ACTA2 year
13	F6A3JYY	Num	8	A3J - MYH11 year
14	F6A1KT	Num	8	A1 - Was Karyotyping done on this patient?
15	F6A2FS	Num	8	A2 - Was FISH analysis done on this patient?
16	F6A3GT	Num	8	A3 - Was genetic testing done on this patient?
17	F6A3ARS	Num	8	A3A - FBN1 result
18	F6A3AMD	Num	8	A3A - FBN1 mode
19	F6A3ATT	Num	8	A3A - FBN1 test type
20	F6A3BRS	Num	8	A3B - FBN2 result
21	F6A3BMD	Num	8	A3B - FBN2 mode
22	F6A3BTT	Num	8	A3B - FBN2 test type
23	F6A3CRS	Num	8	A3C - TGFBR1 result
24	F6A3CMD	Num	8	A3C - TGFBR1 mode
25	F6A3CTT	Num	8	A3C - TGFBR1 test type
26	F6A3DRS	Num	8	A3D - TGFBR2 result
27	F6A3DMD	Num	8	A3D - TGFBR2 mode
28	F6A3DTT	Num	8	A3D - TGFBR2 test type
29	F6A3ERS	Num	8	A3E - COL5A1 result
30	F6A3EMD	Num	8	A3E - COL5A1 mode
31	F6A3ETT	Num	8	A3E - COL5A1 test type
32	F6A3FRS	Num	8	A3F - COL5A2 result
33	F6A3FMD	Num	8	A3F - COL5A2 mode
34	F6A3FTT	Num	8	A3F - COL5A2 test type
35	F6A3GRS	Num	8	A3G - COL3A1 result
36	F6A3GMD	Num	8	A3G - COL3A1 mode



Num	Variable	Type	Len	Label
37	F6A3GTT	Num	8	A3G - COL3A1 test type
38	F6A3HRS	Num	8	A3H - Tenascin X result
39	F6A3HMD	Num	8	A3H - Tenascin X mode
40	F6A3HTT	Num	8	A3H - Tenascin X test type
41	F6A3IRS	Num	8	A3I - ACTA2 result
42	F6A3IMD	Num	8	A3I - ACTA2 mode
43	F6A3ITT	Num	8	A3I - ACTA2 test type
44	F6A3JRS	Num	8	A3J - MYH11 result
45	F6A3JMD	Num	8	A3J - MYH11 mode
46	F6A3JTT	Num	8	A3J - MYH11 test type
47	f6a1_months	Num	8	A1 - Karyotyping date(months from enrollment). Estimated when month & year are reported
48	f6a2_months	Num	8	A2 - FISH date (months from enrollment). Estimated when month & year are reported
49	f6a3a_months	Num	8	A3A - FBN1 date (months from enrollment). Estimated when month & year are reported
50	f6a3b_months	Num	8	A3B - FBN2 date (months from enrollment). Estimated when month & year are reported
51	f6a3c_months	Num	8	A3C - TGFBR1 date (months from enrollment). Estimated when month & year are reported
52	f6a3d_months	Num	8	A3D - TGFBR2 date (months from enrollment). Estimated when month & year are reported
53	f6a3e_months	Num	8	A3E - COL5A1 date (months from enrollment). Estimated when month & year are reported
54	f6a3f_months	Num	8	A3F - COL5A2 date (months from enrollment). Estimated when month & year are reported
55	f6a3g_months	Num	8	A3G - COL3A1 date (months from enrollment). Estimated when month & year are reported
56	f6a3h_months	Num	8	A3H - Tenascin X date (months from enrollment). Estimated when month & year are reported
57	f6a3i_months	Num	8	A3I - ACTA2 date (months from enrollment). Estimated when month & year are reported
58	f6a3j_months	Num	8	A3J - MYH11 date (months from enrollment). Estimated when month & year are reported

**Data Set Name: gentacform7.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F7A1YY	Num	8	A1 - Date of procedure (year)
3	F7C043	Num	8	C04 - Aortic root replacement (specify max diameter)
4	F7C053	Num	8	C05 - Valve-sparing aortic root replacement (specify max diameter)
5	F7C073	Num	8	C07 - Aortic arch replacement (specify max diameter)
6	F07C063	Num	8	C05 - Ascending aortic replacement (specify max diameter)
7	F7C163	Num	8	C163 - Descending thoracic aortic replacement (specify max diameter)
8	F7C174	Num	8	C174 - Descending thoracic aortic replacement (specify max diameter)
9	F7C2163	Num	8	C2163 - Specify max aortic diameter
10	F7C2166	Num	8	C2166 - Number of grafts used
11	F7D1TM	Num	8	D1 - Cardiopulmonary bypass (time)
12	F7D2TM	Num	8	D2 - Hypothermic circulatory arrest (time)
13	F7E1	Num	8	E1 - Total number of nights patient hospitalized for this intervention
14	F7E2	Num	8	E2 - How many nights hospitalized post-intervention only
15	F7C1722	Char	2	C17 - Type (Branched visceral reattachment)
16	F7A2A	Num	8	A2 - Type of procedure (Coronary artery bypass)
17	F7A2B	Num	8	A2 - Type of procedure (Aortic valve repair)
18	F7A2C	Num	8	A2 - Type of procedure (Isolated aortic valve replacement)
19	F7A2D	Num	8	A2 - Type of procedure (Aortic root replacement)
20	F7A2E	Num	8	A2 - Type of procedure (Valve-sparing aortic root replacement)
21	F7A2F	Num	8	A2 - Type of procedure (Ascending aortic replacement)
22	F7A2G	Num	8	A2 - Type of procedure (Aortic arch replacement)
23	F7A2H	Num	8	A2 - Type of procedure (Mitral valve repair or replacement)
24	F7A2I	Num	8	A2 - Type of procedure (Coarctation repair)
25	F7A2J	Num	8	A2 - Type of procedure (Pacemaker implantation)
26	F7A2K	Num	8	A2 - Type of procedure (Descending thoracic aortic replacement)
27	F7A2L	Num	8	A2 - Type of procedure (Thoracoabdominal aortic replacement)
28	F7A2M	Num	8	A2 - Type of procedure (Open arterial bypass)
29	F7A2N	Num	8	A2 - Type of procedure (Repair of pectus deformity)
30	F7A2O	Num	8	A2 - Type of procedure (Percutaneous/endovascular intervention)
31	F7A2P	Num	8	A2 - Type of procedure (Aorta to pulmonary shunt)
32	F7A2Q	Num	8	A2 - Type of procedure (TOF repair)
33	F7A2R	Num	8	A2 - Type of procedure (Pulmonary valve replacement)
34	F7A2S	Num	8	A2 - Type of procedure (Tricuspid valve surgery)
35	F7A2T	Num	8	A2 - Type of procedure (Other, specify)
36	F7A41	Num	8	A4 - History from patient/family

Num	Variable	Type	Len	Label
37	F7A42	Num	8	A4 - Operative report
38	F7A43	Num	8	A4 - Discharge summary
39	F7A44	Num	8	A4 - Other medical records
40	F7A5	Num	8	A5 - Tissue sample taken
41	F7A6	Num	8	A6 - Do you have additional information
42	F7B11	Num	8	B1 - Aneurysm
43	F7B12	Num	8	B1 - Ruptured aorta/artery
44	F7B13	Num	8	B1 - Dissection
45	F7B14	Num	8	B1 - Malperfusion
46	F7B15	Num	8	B1 - Valve dysfunction
47	F7B16	Num	8	B1 - Aortic repair failure
48	F7B17	Num	8	B1 - Aortic coarctation
49	F7B18	Num	8	B1 - Congenital heart disease
50	F7B19	Num	8	B1 - Other indication
51	F7B2AA	Num	8	B2AA - Aortic root aneurysm
52	F7B2AB	Num	8	B2AB - Coronary artery aneurysm
53	F7B2AC	Num	8	B2AC - Ascending aorta aneurysm
54	F7B2AD	Num	8	B2AD - Aortic arch aneurysm
55	F7B2AE	Num	8	B2AE - Descending thor aorta aneurysm
56	F7B2AF	Num	8	B2AF - Suprarenal abdom aorta aneurysm
57	F7B2AG	Num	8	B2AG - Infrarenal abdom aorta aneurysm
58	F7B2AH	Num	8	B2AH - Innominate artery aneurysm
59	F7B2AIR	Num	8	B2AI - Subclavian artery (rt) aneurysm
60	F7B2AIL	Num	8	B2AI - Subclavian artery (lft) aneurysm
61	F7B2AJR	Num	8	B2AJ - Com. carotid art. (rt) aneurysm
62	F7B2AJL	Num	8	B2AJ - Com. carotid art. (lft) aneurysm
63	F7B2AK	Num	8	B2AK - Celiac trunk aneurysm
64	F7B2AL	Num	8	B2AL - Superior mesenteric art. aneurysm
65	F7B2AMR	Num	8	B2AM - Renal artery (rt) aneurysm
66	F7B2AML	Num	8	B2AM - Renal artery (lft) aneurysm
67	F7B2ANR	Num	8	B2AN - Com. iliac artery (rt) aneurysm
68	F7B2ANL	Num	8	B2AN - Com. iliac artery (lft) aneurysm
69	F7B2AOR	Num	8	B2AO - Com. femoral artery (rt) aneurysm
70	F7B2AOL	Num	8	B2AO - Com. femoral artery (lft) aneurysm
71	F7B2AP	Num	8	B2AP - Other artery aneurysm
72	F7B2BA	Num	8	B2BA - Aortic root ruptured
73	F7B2BB	Num	8	B2BB - Coronary artery ruptured
74	F7B2BC	Num	8	B2BC - Ascending aorta ruptured
75	F7B2BD	Num	8	B2BD - Aortic arch ruptured

Num	Variable	Type	Len	Label
76	F7B2BE	Num	8	B2BE - Descending thor aorta ruptured
77	F7B2BF	Num	8	B2BF - Suprarenal abdom aorta ruptured
78	F7B2BG	Num	8	B2BG - Infrarenal abdom aorta ruptured
79	F7B2BH	Num	8	B2BH - Innominate artery ruptured
80	F7B2BIR	Num	8	B2BI - Subclavian artery (rt) ruptured
81	F7B2BIL	Num	8	B2BI - Subclavian artery (lft) ruptured
82	F7B2BJR	Num	8	B2BJ - Com. carotid art. (rt) ruptured
83	F7B2BJL	Num	8	B2BJ - Com. carotid art. (lft) ruptured
84	F7B2BK	Num	8	B2BK - Celiac trunk ruptured
85	F7B2BL	Num	8	B2BL - Superior mesenteric art. ruptured
86	F7B2BMR	Num	8	B2BM - Renal artery (rt) ruptured
87	F7B2BML	Num	8	B2BM - Renal artery (lft) ruptured
88	F7B2BNR	Num	8	B2BN - Com. iliac artery (rt) ruptured
89	F7B2BNL	Num	8	B2BN - Com. iliac artery (lft) ruptured
90	F7B2BOR	Num	8	B2BO - Com. femoral artery (rt) ruptured
91	F7B2BOL	Num	8	B2BO - Com. femoral artery (lft) ruptured
92	F7B2BP	Num	8	B2BP - Other artery ruptured
93	F7B2CA	Num	8	B2CA - Aortic root dissection
94	F7B2CB	Num	8	B2CB - Coronary artery dissection
95	F7B2CC	Num	8	B2CC - Ascending aorta dissection
96	F7B2CD	Num	8	B2CD - Aortic arch dissection
97	F7B2CE	Num	8	B2CE - Descending thor aorta dissection
98	F7B2CF	Num	8	B2CF - Suprarenal abdom aorta dissection
99	F7B2CG	Num	8	B2CG - Infrarenal abdom aorta dissection
100	F7B2CH	Num	8	B2CH - Innominate artery dissection
101	F7B2CIR	Num	8	B2CI - Subclavian artery (rt) dissection
102	F7B2CIL	Num	8	B2CI - Subclavian artery (lft) dissection
103	F7B2CJR	Num	8	B2CJ - Com. carotid art. (rt) dissection
104	F7B2CJL	Num	8	B2CJ - Com. carotid art. (lft) dissection
105	F7B2CK	Num	8	B2CK - Celiac trunk dissection
106	F7B2CL	Num	8	B2CL - Superior mesenteric art. dissection
107	F7B2CMR	Num	8	B2CM - Renal artery (rt) dissection
108	F7B2CML	Num	8	B2CM - Renal artery (lft) dissection
109	F7B2CNR	Num	8	B2CN - Com. iliac artery (rt) dissection
110	F7B2CNL	Num	8	B2CN - Com. iliac artery (lft) dissection
111	F7B2COR	Num	8	B2CO - Com. femoral artery (rt) dissection
112	F7B2COL	Num	8	B2CO - Com. femoral artery (lft) dissection
113	F7B2CP	Num	8	B2CP - Other artery dissection
114	F7B3A	Num	8	B3A - Dissection acuity

Num	Variable	Type	Len	Label
115	F7B3B1	Num	8	B3B - No dissection site
116	F7B3B2	Num	8	B3B - Aortic root dissection
117	F7B3B3	Num	8	B3B - Ascending aorta dissection
118	F7B3B4	Num	8	B3B - Aortic arch dissection
119	F7B3B5	Num	8	B3B - Descending thoracic dissection
120	F7B3B6	Num	8	B3B - Abdominal aorta dissection
121	F7B3B7	Num	8	B3B - Peripheral artery dissection
122	F7B3B8	Num	8	B3B - Dissection site unknown
123	F7B3C	Num	8	B3C - Type of dissection
124	F7B41	Num	8	B4 - Coronary malperfusion
125	F7B42	Num	8	B4 - Cerebral malperfusion
126	F7B43	Num	8	B4 - Upper extremity malperfusion
127	F7B44	Num	8	B4 - Spinal malperfusion
128	F7B45	Num	8	B4 - Mesenteric malperfusion
129	F7B46	Num	8	B4 - Renal malperfusion
130	F7B47	Num	8	B4 - Lower extremity malperfusion
131	F7B51	Num	8	B5 - Aortic valve dysfunction
132	F7B52	Num	8	B5 - Mitral valve dysfunction
133	F7B53	Num	8	B5 - Tricuspid valve dysfunction
134	F7B54	Num	8	B5 - Pulmonic valve dysfunction
135	F7B5AA	Num	8	B5AA - Aortic stenosis
136	F7B5AB	Num	8	B5AB - Aortic regurgitation
137	F7B5AC	Num	8	B5AC - Aortic endocarditis
138	F7B5AD	Num	8	B5AD - Aortic failed repair
139	F7B5AE	Num	8	B5AE - Aortic prolapse
140	F7B5AF	Num	8	B5AF - Aortic prosthetic dysfunction
141	F7B5AG1	Num	8	B5AG - Aortic bi/unicuspid morphology
142	F7B5AG21	Num	8	B5AG - Aortic valve fusion (right-left)
143	F7B5AG22	Num	8	B5AG - Aortic valve fusion (right-non)
144	F7B5AG23	Num	8	B5AG - Aortic valve fusion (left-non)
145	F7B5AG24	Num	8	B5AG - Aortic valve fusion (partial)
146	F7B5AG25	Num	8	B5AG - Aortic valve fusion (unknown)
147	F7B5AH	Num	8	B5AH - Aortic paravalvular leak
148	F7B5AI1	Num	8	B5AI - Aortic leaflet fenestration
149	F7B5AI2	Num	8	B5AI - Aortic torn leaflet
150	F7B5AI3	Num	8	B5AI - Aortic pannus
151	F7B5BA	Num	8	B5BA - Mitral stenosis
152	F7B5BB	Num	8	B5BB - Mitral regurgitation
153	F7B5BC	Num	8	B5BC - Mitral endocarditis

Num	Variable	Type	Len	Label
154	F7B5BD	Num	8	B5BD - Mitral failed repair
155	F7B5BE	Num	8	B5BE - Mitral prolapse
156	F7B5BF	Num	8	B5BF - Mitral prosthetic dysfunction
157	F7B5BH	Num	8	B5BH - Mitral paravalvular leak
158	F7B5CA	Num	8	B5CA - Tricuspid stenosis
159	F7B5CB	Num	8	B5CB - Tricuspid regurgitation
160	F7B5CC	Num	8	B5CC - Tricuspid endocarditis
161	F7B5CD	Num	8	B5CD - Tricuspid failed repair
162	F7B5CE	Num	8	B5CE - Tricuspid prolapse
163	F7B5CF	Num	8	B5CF - Tricuspid prosthetic dysfunction
164	F7B5CH	Num	8	B5CH - Tricuspid paravalvular leak
165	F7B5DA	Num	8	B5DA - Pulmonic stenosis
166	F7B5DB	Num	8	B5DB - Pulmonic regurgitation
167	F7B5DC	Num	8	B5DC - Pulmonic endocarditis
168	F7B5DD	Num	8	B5DD - Pulmonic failed repair
169	F7B5DE	Num	8	B5DE - Pulmonic prolapse
170	F7B5DF	Num	8	B5DF - Pulmonic prosthetic dysfunction
171	F7B5DH	Num	8	B5DH - Pulmonic paravalvular leak
172	F7B61	Num	8	B61 - Pseudoaneurysm aortic repair failure
173	F7B611	Num	8	B611 - Pseudoaneurysm location
174	F7B62	Num	8	B62 - Aortic graft infection
175	F7B63	Num	8	B63 - Patch aneurysm aortic repair failure
176	F7B631	Num	8	B63 - Patch aneurysm (brachiocephalic)
177	F7B632	Num	8	B63 - Patch aneurysm (intercostal)
178	F7B633	Num	8	B63 - Patch aneurysm (visceral)
179	F7B634	Num	8	B63 - Patch aneurysm (other)
180	F7B64	Num	8	B64 - Endoleak aortic repair failure
181	F7B6411	Num	8	B6411 - Endoleak type I
182	F7B64111	Num	8	B6411 - Endoleak type IA
183	F7B64112	Num	8	B6411 - Endoleak type IB
184	F7B64113	Num	8	B6411 - Endoleak type IC
185	F7B6412	Num	8	B6412 - Endoleak type II
186	F7B64121	Num	8	B6412 - Endoleak type IIA
187	F7B64122	Num	8	B6412 - Endoleak type IIB
188	F7B6413	Num	8	B6413 - Endoleak type III
189	F7B64131	Num	8	B6413 - Endoleak type IIIA
190	F7B64132	Num	8	B6413 - Endoleak type IIIB
191	F7B6414	Num	8	B6414 - Endoleak type IV
192	F7B6415	Num	8	B6415 - Endoleak type V

Num	Variable	Type	Len	Label
193	F7B6416	Num	8	B6416 - Endoleak type unknown
194	F7B6421	Num	8	B642 - Endoleak loc ascending aorta
195	F7B6422	Num	8	B642 - Endoleak loc aortic arch
196	F7B6423	Num	8	B642 - Endoleak loc descending thoracic
197	F7B6424	Num	8	B642 - Endoleak loc suprarenal abdominal
198	F7B6425	Num	8	B642 - Endoleak loc infrarenal abdominal
199	F7B6426	Num	8	B642 - Endoleak loc unknown
200	F7C01	Num	8	C01 - Coronary artery bypass grafting
201	F7C02	Num	8	C02 - Aortic valve repair
202	F7C021	Num	8	C021 - Resuspension
203	F7C022	Num	8	C022 - Annuloplasty/commissural plication
204	F7C023	Num	8	C023 - Unknown
205	F7C03	Num	8	C03 - Isolated aortic valve replacement
206	F7C031	Num	8	C03 - Isolated aortic valve replacement (type)
207	F7C04	Num	8	C04 - Aortic root replacement
208	F7C041	Num	8	C04 - Aortic root replacement (detail)
209	F7C042	Num	8	C04 - Aortic root replacement (max diameter)
210	F7C05	Num	8	C05 - Valve-sparing aortic root replacement
211	F7C051	Num	8	C05 - Valve-sparing aortic root replacement (detail)
212	F7C052	Num	8	C05 - Valve-sparing aortic root replacement (max diameter)
213	F7C06	Num	8	C06 - Ascending aortic replacement
214	F7C07	Num	8	C07 - Aortic arch replacement
215	F7C071	Num	8	C07 - Aortic arch replacement (type)
216	F7C072	Num	8	C07 - Aortic arch replacement (max diameter)
217	F7C0711	Num	8	C07 - Elephant trunk arch
218	F7C0712	Num	8	C07 - Branched brachiocephalic reattachment
219	F7C08	Num	8	C08 - Coarctation repair
220	F7C081	Num	8	C081 - Reconstruction of hypoplastic arch
221	F7C082	Num	8	C082 - Subclavian flap
222	F7C083	Num	8	C083 - Direct end-to-end anastomosis
223	F7C084	Num	8	C084 - Graft replacement
224	F7C085	Num	8	C085 - Patch aortoplasty
225	F7C086	Num	8	C086 - Other, specify
226	F7C087	Num	8	C087 - Unknown
227	F7C09	Num	8	C09 - Mitral valve repair
228	F7C091	Num	8	C091 - Annuloplasty
229	F7C092	Num	8	C092 - Leaflet resection, anterior
230	F7C093	Num	8	C093 - Leaflet resection, posterior
231	F7C094	Num	8	C094 - Artificial chordae implantation

Num	Variable	Type	Len	Label
232	F7C095	Num	8	C095 - Other, specify
233	F7C096	Num	8	C096 - Unknown
234	F7C10	Num	8	C10 - Mitral valve replacement
235	F7C101	Num	8	C10 - Mitral valve replacement (type)
236	F07C062	Num	8	C06 - Ascending aortic replacement (max diameter)
237	F7C11	Num	8	C11 - Tricuspid valve repair
238	F7C111	Num	8	C111 - Tricuspid valve replacement
239	F7C112	Num	8	C112 - Tricuspid valve annuloplasty
240	F7C113	Num	8	C113 - Other tricuspid repair
241	F7C114	Num	8	C114 - Unknown
242	F7C12	Num	8	C12 - Tricuspid valve replacement
243	F7C13	Num	8	C13 - Pulmonary valve repair
244	F7C131	Num	8	C131 - Pulmonary valve replacement
245	F7C132	Num	8	C132 - Pulmonary valvuloplasty
246	F7C133	Num	8	C133 - Pulmonary valvotomy
247	F7C134	Num	8	C134 - Other pulmonary valve repair
248	F7C135	Num	8	C135 - Unknown
249	F7C14	Num	8	C14 - Pulmonary valve replacement
250	F7C15	Num	8	C15 - Permanent pacemaker
251	F7C151	Num	8	C15 - Permanent pacemaker (type)
252	F7C16	Num	8	C16 - Descending thoracic aortic replacement
253	F7C162	Num	8	C162 - Descending thoracic aortic replacement (max diameter)
254	F7C17	Num	8	C17 - Thoracoabdominal aortic replacement
255	F7C171	Num	8	C17 - Extent
256	F7C173	Num	8	C173 - Descending thoracic aortic replacement (max diameter)
257	F7C18	Num	8	C18 - Removal of stent graft
258	F7C19	Num	8	C19 - Open bypass surgery
259	F7C1901	Num	8	C1901 - Innominate artery
260	F7C1902	Num	8	C1902 - Subclavian artery, right
261	F7C1903	Num	8	C1903 - Subclavian artery, left
262	F7C1904	Num	8	C1904 - Subclavian artery, unknown
263	F7C1905	Num	8	C1905 - Common carotid artery, right
264	F7C1906	Num	8	C1906 - Common carotid artery, left
265	F7C1907	Num	8	C1907 - Common carotid artery, unknown
266	F7C1908	Num	8	C1908 - Celiac trunk
267	F7C1909	Num	8	C1909 - Superior mesenteric artery
268	F7C1910	Num	8	C1910 - Renal artery, right
269	F7C1911	Num	8	C1911 - Renal artery, left
270	F7C1912	Num	8	C1912 - Renal artery, unknown



Num	Variable	Type	Len	Label
271	F7C1913	Num	8	C1913 - Common iliac artery, right
272	F7C1914	Num	8	C1914 - Common iliac artery, left
273	F7C1915	Num	8	C1915 - Common iliac artery, unknown
274	F7C1916	Num	8	C1916 - Common femoral artery, right
275	F7C1917	Num	8	C1917 - Common femoral artery, left
276	F7C1918	Num	8	C1918 - Common femoral artery, unknown
277	F7C1919	Num	8	C1919 - Other artery
278	F7C20	Num	8	C20 - Repair of pectus deformity
279	F7C201	Num	8	C20 - Repair of pectus deformity (type)
280	F7C21	Num	8	C21 - Percutaneous/endovascular intervention
281	F7C211	Num	8	C211 - Coronary angioplasty
282	F7C2111	Num	8	C211 - Coronary angioplasty (w/ stent)
283	F7C212	Num	8	C212 - Balloon dilatation of aortic valve
284	F7C213	Num	8	C213 - Balloon dilatation of aortic coarctation
285	F7C2131	Num	8	C213 - Balloon dilatation of aortic coarctation (w/stent)
286	F7C214	Num	8	C214 - Fenestration for dissection
287	F7C215	Num	8	C215 - Converted to open operation
288	F7C216	Num	8	C216 - Endovascular graft repairs
289	F7C21611	Num	8	C21611 - Ascending aorta
290	F7C21612	Num	8	C21612 - Aortic arch
291	F7C21613	Num	8	C21613 - Descending thoracic arch
292	F7C21614	Num	8	C21614 - Suprarenal abdominal aorta
293	F7C21615	Num	8	C21615 - Infrarenal abdominal aorta
294	F7C21616	Num	8	C21616 - Other arteries
295	F7C2162	Num	8	C2162 - Max aortic diameter
296	F7C2164	Num	8	C2164 - Proximal landing zone
297	F7C2165	Num	8	C2165 - Segments/vessels excluded (C/E)
298	F7C2167	Num	8	C2167 - Debranching procedure
299	F7C21681	Num	8	C2168 - Carotid-subclavian bypass
300	F7C21682	Num	8	C2168 - Arch debranching
301	F7C21683	Num	8	C2169 - Visceral debranching
302	F7C217	Num	8	C217 - Branch vessel stenting
303	F7C21701	Num	8	C2171 - Innominate artery
304	F7C21702	Num	8	C2172 - Subclavian artery, right
305	F7C21703	Num	8	C2173 - Subclavian artery, left
306	F7C21704	Num	8	C2174 - Subclavian artery, unk
307	F7C21705	Num	8	C2175 - Common carotid artery, right
308	F7C21706	Num	8	C2176 - Common carotid artery, left
309	F7C21707	Num	8	C2177 - Common carotid artery, unk

Num	Variable	Type	Len	Label
310	F7C21708	Num	8	C2178 - Celiac trunk
311	F7C21709	Num	8	C2179 - Superior mesenteric artery
312	F7C21710	Num	8	C21710 - Renal artery, right
313	F7C21711	Num	8	C21711 - Renal artery, left
314	F7C21712	Num	8	C21712 - Renal artery, unk
315	F7C21713	Num	8	C21713 - Common iliac artery, right
316	F7C21714	Num	8	C21714 - Common iliac artery, left
317	F7C21715	Num	8	C21715 - Common iliac artery, unk
318	F7C21716	Num	8	C21716 - Common femoral artery, right
319	F7C21717	Num	8	C21717 - Common femoral artery, left
320	F7C21718	Num	8	C21718 - Common femoral artery, unk
321	F7C21719	Num	8	C21719 - Other artery
322	F7C218	Num	8	C218 - Other percutaneous procedure
323	F7C22	Num	8	C22 - Non-aortic congenital cardiac or vascular procedure
324	F7C2201	Num	8	C221 - Shunt
325	F7C2202	Num	8	C222 - Tetralogy repair (TOF)
326	F7C22021	Num	8	C222 - Tetralogy repair (TOF) detail
327	F7C2203	Num	8	C223 - Tetralogy with pulmonary atresia
328	F7C2204	Num	8	C224 - Truncus repair
329	F7C2205	Num	8	C225 - Double outlet right ventricle
330	F7C2206	Num	8	C226 - Replacement of right ventricle to pulmonary artery (RV to PA) conduit
331	F7C2207	Num	8	C227 - Balloon dilation of branched pulmonary artery
332	F7C2208	Num	8	C228 - Stent placement
333	F7C2209	Num	8	C229 - Ventricular septal defect closure
334	F7C2210	Num	8	C2210 - Atrial septal defect closure
335	F7C2211	Num	8	C2211 - Patent foramen ovale (PFO) closure
336	F7C2212	Num	8	C2212 - Patent ductus arteriosus closure
337	F7C2213	Num	8	C2213 - Other
338	F7C2214	Num	8	C2214 - Unknown
339	F7C23	Num	8	C23 - Other cardiac or vascular procedure
340	F7D1	Num	8	D1 - Cardiopulmonary bypass
341	F7D2	Num	8	D2 - Hypothermic circulatory arrest
342	F7D21	Num	8	D21 - With antegrade cerebral perfusion
343	F7D22	Num	8	D22 - With retrograde cerebral perfusion
344	F7D3	Num	8	D3 - Left heart bypass
345	F7D4	Num	8	D4 - Cold renal perfusion
346	F7D5	Num	8	D5 - Selective visceral perfusion
347	F7D6	Num	8	D6 - Cerebrospinal fluid drainage
348	F7D7	Num	8	D7 - Evoked potential monitoring

Num	Variable	Type	Len	Label
349	F7D71	Num	8	D71 - Motor
350	F7D72	Num	8	D72 - Somatosensory
351	F7E1UNK	Num	8	E1 - Total number of nights patient hospitalized for this intervention (unknown)
352	F7E2UNK	Num	8	E2 - How many nights hospitalized post-intervention only (unknown)
353	F7E3	Num	8	E3 - Did patient die w/in 30 days of intervention
354	F7E4	Num	8	E4 - Did patient die during this hospitalization?
355	F7E5	Num	8	E5 - Did patient receive transfusion of any blood during this procedure or post inte
356	F7E6A	Num	8	E6A - Myocardial infarction
357	F7E6B	Num	8	E6B - Stroke
358	F7E6C	Num	8	E6C - Paraplegia/paraparesis
359	F7E6D	Num	8	E6D - Prolonged intubation
360	F7E6E	Num	8	E6E - Acute renal failure
361	F7E6F	Num	8	E6F - Bleeding requiring reoperation
362	F7E6G	Num	8	E6G - Vocal cord paralysis
363	F7E6H	Num	8	E6H - Other
364	F7E7	Num	8	E7 - Current status of repair
365	F7E71	Num	8	E71 - Infection of graft or valve prosthesis
366	F7E72	Num	8	E72 - Patch aneurysm
367	F7E73	Num	8	E73 - Pseudoaneurysm
368	F7E74	Num	8	E74 - Valve dysfunction after repair
369	F7E741	Num	8	E741 - Stenosis
370	F7E742	Num	8	E742 - Regurgitation
371	F7E743	Num	8	E743 - Unknown
372	F7E75	Num	8	E75 - Endoleak
373	F7E751	Num	8	E751 - Type I
374	F7E7511	Num	8	E751 - Type IA
375	F7E7512	Num	8	E751 - Type IB
376	F7E7513	Num	8	E751 - Type IC
377	F7E752	Num	8	E752 - Type II
378	F7E7521	Num	8	E752 - Type II (A or B)
379	F7E753	Num	8	E753 - Type III
380	F7E7531	Num	8	E753 - Type IIIA
381	F7E7532	Num	8	E753 - Type IIIB
382	F7E754	Num	8	E754 - Type IV
383	F7E755	Num	8	E755 - Type V
384	F7E756	Num	8	E756 - Unknown
385	F7E76	Num	8	E76 - Reintervention
386	F7E77	Num	8	E77 - Other
387	F7A1_months	Num	8	A1 - Date of procedure (months from enrollment) -Estimated when mth & yr are reporte

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
388	F7C161	Num	8	C161 - Reversed elephant trunk
389	F7C1721	Num	8	C17 - Type (Reversed elephant trunk)

**Data Set Name: gentacfuform1.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	FF02YY	Num	8	Most recent evaluation (year)
3	FF03YY	Num	8	Patient interview (year)
4	FF03YYNO	Num	8	Patient last known alive (year)
5	FF06CM	Num	8	Current Height (cm)
6	FF06FT	Num	8	Current Height (ft)
7	FF06IN	Num	8	Current Height (in)
8	FF07KG	Num	8	Current Weight (kg)
9	FF07LB	Num	8	Current Weight (lb)
10	FF08	Num	8	Most Recent Heart rate (bpm)
11	FF09SYS	Num	8	Most Recent Blood pressure (systolic)
12	FF09DIA	Num	8	Most Recent Blood pressure (diastolic)
13	FF10AAY	Num	8	Ascending, date of earliest abnormality (year)
14	FF10ABY	Num	8	Arch, date of earliest abnormality (year)
15	FF10ACY	Num	8	Descending, date of earliest abnormality (year)
16	FF10ADY	Num	8	Abdominal , date of earliest abnormality (year)
17	FF10AEY	Num	8	Sinus of Valsalva , date of earliest abnormality (year)
18	FF10AFY	Num	8	Other , date of earliest abnormality (year)
19	FF11A01Y	Num	8	Mitral valve prolapse Date (year)
20	FF11A02Y	Num	8	Mitral valve regurgitation > trace Date (year)
21	FF11A03Y	Num	8	Calcified mitral annulus Date (year)
22	FF11A04Y	Num	8	Aortic valve regurgitation Date (year)
23	FF11A05Y	Num	8	Aortic valve stenosis Date (year)
24	FF11A06Y	Num	8	Aortic coarctation, current/repared Date (year)
25	FF11A07Y	Num	8	Bicuspid Aortic Valve (BAV) Date (year)
26	FF11A08Y	Num	8	Tricuspid regurgitation > trace Date (year)
27	FF11A09Y	Num	8	Pulmonary stenosis/right ventricular outflow obstruction Date (year)
28	FF11A10Y	Num	8	Pulmonary regurgitation > trace (year)
29	FF11A11Y	Num	8	Endocarditis Date (year)
30	FF11A12Y	Num	8	Atrial arrhythmia Date (year)
31	FF11A13Y	Num	8	Cardiac arrhythmia (not atrial) Date (year)
32	FF11A14Y	Num	8	Coronary dissection Date (year)
33	FF11A15Y	Num	8	Coronary ectasia Date (year)
34	FF11A16Y	Num	8	Carotid dissection Date (year)
35	FF11A17Y	Num	8	Symptomatic coronary artery disease Date (year)
36	FF11A18Y	Num	8	Congestive heart failure/left ventricular dysfunction disease Date (year)

Num	Variable	Type	Len	Label
37	FF11A19Y	Num	8	Left ventricular dilation disease Date (year)
38	FF11A20Y	Num	8	Left ventricular hypertrophy Date (year)
39	FF11A21Y	Num	8	Right ventricular hypertrophy disease Date (year)
40	FF11A22Y	Num	8	Right ventricular dysfunction/failure disease Date (year)
41	FF11A23Y	Num	8	Dilatation of pulmonary artery Date (year)
42	FF11A24Y	Num	8	Other pulmonary artery abnormality Date (year)
43	FF11A25Y	Num	8	Hypertension Date (year)
44	FF11A26Y	Num	8	New diagnosis of a congenital heart defect, specify Date (year)
45	FF11B01Y	Num	8	Pectus carinatum Date (year)
46	FF11B02Y	Num	8	Pectus excavatum Date (year)
47	FF11B03Y	Num	8	Shield chest, broad with widely spaced nipples Date (year)
48	FF11B04Y	Num	8	Recurrent dislocations/subluxations Date (year)
49	FF11B05Y	Num	8	Joint hypermobility in >1 joint Date (year)
50	FF11B06Y	Num	8	Wrist sign Date (year)
51	FF11B07Y	Num	8	Scoliosis that is clinically evident Date (year)
52	FF11B08Y	Num	8	Abnormal kyphoscoliosis/lordosis Date (year)
53	FF11B09Y	Num	8	Pes planus Date (year)
54	FF11B11Y	Num	8	Osteopenia/osteoporosis Date (year)
55	FF11B12Y	Num	8	Congenital bilateral dislocated hips Date (year)
56	FF11B15Y	Num	8	Joint pain, arthralgia Date (year)
57	FF11B16Y	Num	8	Thumb sign Date (year)
58	FF11B21Y	Num	8	Clubfoot Date (year)
59	FF11B22Y	Num	8	Reduced elbow extension (<170°) Date (year)
60	FF11B23Y	Num	8	Long fingers, arachnodactyly Date (year)
61	FF11B24Y	Num	8	Genu recurvatum Date (year)
62	FF11B25Y	Num	8	Musculoskeletal surgery Date (year)
63	FF11C01Y	Num	8	High palate/dental crowding Date (year)
64	FF11C02Y	Num	8	Dolicocephaly Date (year)
65	FF11C03Y	Num	8	Malar hypoplasia Date (year)
66	FF11C04Y	Num	8	Enophthalmos Date (year)
67	FF11C05Y	Num	8	Retrognathia Date (year)
68	FF11C06Y	Num	8	Down-slanting palpebral fissures Date (year)
69	FF11C07Y	Num	8	Cleft palate Date (year)
70	FF11C08Y	Num	8	Bifid or broad-based uvula Date (year)
71	FF11C09Y	Num	8	Craniosynostosis Date (year)
72	FF11D01Y	Num	8	Early-onset varicose veins, <40 years of age Date (year)
73	FF11D02Y	Num	8	Arteriovenous malformation Date (year)
74	FF11D03Y	Num	8	Stroke Date (year)
75	FF11D04Y	Num	8	Arterial rupture Date (year)

Num	Variable	Type	Len	Label
76	FF11D05Y	Num	8	Lymphedema Date (year)
77	FF11E01Y	Num	8	Lens dislocation (ectopia lentis) Date (year)
78	FF11E02Y	Num	8	Glaucoma Date (year)
79	FF11E04Y	Num	8	Hypertelorism Date (year)
80	FF11E05Y	Num	8	Retinal detachment Date (year)
81	FF11E06Y	Num	8	Amblyopia Date (year)
82	FF11E07Y	Num	8	Strabismus Date (year)
83	FF11E09Y	Num	8	Myopia >4 diopters Date (year)
84	FF11E10Y	Num	8	Cataracts, <50 years of age Date (year)
85	FF11E11Y	Num	8	Iris Flocculi Date (year)
86	FF11E12Y	Num	8	Blue/grey sclera Date (year)
87	FF11E13Y	Num	8	Iridodonesis Date (year)
88	FF11E14Y	Num	8	Eye surgery Date (year)
89	FF11F01Y	Num	8	Ulcerative colitis Date (year)
90	FF11F02Y	Num	8	Ruptured bowel Date (year)
91	FF11F03Y	Num	8	Crohn's disease Date (year)
92	FF11F04Y	Num	8	Irritable bowel syndrome Date (year)
93	FF11F05Y	Num	8	Diverticulosis/diverticulitis Date (year)
94	FF11F06Y	Num	8	G-tube is present Date (year)
95	FF11G01Y	Num	8	Skin hyperextensibility Date (year)
96	FF11G02Y	Num	8	Wide atrophic scars Date (year)
97	FF11G03Y	Num	8	Poor wound healing Date (year)
98	FF11G04Y	Num	8	Easy bruising Date (year)
99	FF11G05Y	Num	8	Soft, velvety or doughy skin Date (year)
100	FF11G06Y	Num	8	Tissue fragility Date (year)
101	FF11G08Y	Num	8	Striae atrophicae Date (year)
102	FF11G09Y	Num	8	Hernia Date (year)
103	FF11G10Y	Num	8	Recurrent Hernia Date (year)
104	FF11G11Y	Num	8	Thin translucent skin Date (year)
105	FF11G12Y	Num	8	Webbed neck Date (year)
106	FF11H01Y	Num	8	Uterine rupture Date (year)
107	FF11H02Y	Num	8	Ovarian failure Date (year)
108	FF11H03Y	Num	8	Endometriosis Date (year)
109	FF11H04Y	Num	8	Uterine fibroids Date (year)
110	FF11H05Y	Num	8	Premature rupture of membranes Date (year)
111	FF13AA Y	Num	8	Coronary artery bypass grafting or PTCA Date (year)
112	FF13AB Y	Num	8	Aortic valve repair Date (year)
113	FF13AC Y	Num	8	Isolated aortic valve replacement (non-root) Date (year)
114	FF13AD Y	Num	8	Aortic root replacement (valve-replacing) Date (year)

Num	Variable	Type	Len	Label
115	FF13AEY	Num	8	Valve-sparing aortic root replacement Date (year)
116	FF13AFY	Num	8	Ascending aortic replacement Date (year)
117	FF13AGY	Num	8	Aortic arch replacement Date (year)
118	FF13AHY	Num	8	Mitral valve repair or replacement Date (year)
119	FF13AIY	Num	8	Coarctation repair/intervention Date (year)
120	FF13AJY	Num	8	Pacemaker/ICD implantation Date (year)
121	FF13AKY	Num	8	Descending thoracic aortic replacement Date (year)
122	FF13ALY	Num	8	Thoracoabdominal aortic replacement Date (year)
123	FF13AMY	Num	8	Open arterial bypass Date (year)
124	FF13AOY	Num	8	Percutaneous/endovascular intervention, non-coronary Date (year)
125	FF13APY	Num	8	Aorta to pulmonary shunt Date (year)
126	FF13AQY	Num	8	TOF repair Date (year)
127	FF13ARY	Num	8	Pulmonary valve replacement Date (year)
128	FF13ASY	Num	8	Tricuspid valve repair/replacement Date (year)
129	FF13ATY	Num	8	Surgical Intervention, Other Date (year)
130	FF13AUY	Num	8	Surgical Intervention, Other Date (year)
131	FF16C_16	Char	1	Pregnancy 1 - None
132	FF16C_26	Char	1	Pregnancy 2 - None
133	FF01	Num	8	FU Visit Number
134	FF03NO	Num	8	No patient interview
135	FF04	Num	8	Subject still active?
136	FF05	Num	8	Primary diagnosis still accurate?
137	FF05A	Num	8	Primary diagnosis changed: Marfan
138	FF05B	Num	8	Primary diagnosis changed: Turner
139	FF05C	Num	8	Primary diagnosis changed: Ehlers-Danlos syndrome, vascular
140	FF05D	Num	8	Primary diagnosis changed: Ehlers-Danlos syndrome, other type
141	FF05E	Num	8	Primary diagnosis changed: Loeys-Dietz syndrome
142	FF05F	Num	8	Primary diagnosis changed: BAV with aortic enlargement, with or without family history
143	FF05G	Num	8	Primary diagnosis changed: BAV without enlargement, but with family history
144	FF05H	Num	8	Primary diagnosis changed: BAV with coarctation
145	FF05I	Num	8	Primary diagnosis changed: Familial thoracic aortic aneurysm and dissections
146	FF05J	Num	8	Primary diagnosis changed: Other aneurysms/dissections of the thoracic aorta in persons < 50 years of age
147	FF05K	Num	8	Primary diagnosis changed: Other congenital heart disease
148	FF05L	Num	8	Primary diagnosis changed: None of the above but with a FBN1, TGFBR1, TGFBR2, ACTA2 or MYH11 genetic mutation
149	FF05A1	Num	8	Basis for most recent primary diagnosis (original or revised)
150	FF06NA	Num	8	Unavailable
151	FF07NA	Num	8	Unavailable



Num	Variable	Type	Len	Label
152	FF10	Num	8	New diagnosis of a thoracic aortic aneurysm, dissection/ rupture, or marked tortuosity?
153	FF10AA1	Num	8	Ascending Newly Tortuous
154	FF10AA2	Num	8	Ascending Newly Dilated
155	FF10AA3	Num	8	Ascending Newly Dissected
156	FF10AB1	Num	8	Arch Newly Tortuous
157	FF10AB2	Num	8	Arch Newly Dilated
158	FF10AB3	Num	8	Arch Newly Dissected
159	FF10AC1	Num	8	Descending Newly Tortuous
160	FF10AC2	Num	8	Descending Newly Dilated
161	FF10AC3	Num	8	Descending Newly Dissected
162	FF10AD1	Num	8	Abdominal Newly Tortuous
163	FF10AD2	Num	8	Abdominal Newly Dilated
164	FF10AD3	Num	8	Abdominal Newly Dissected
165	FF10AE1	Num	8	Sinus of Valsalva Newly Tortuous
166	FF10AE2	Num	8	Sinus of Valsalva Newly Dilated
167	FF10AE3	Num	8	Sinus of Valsalva Newly Dissected
168	FF10AF1	Num	8	Other Newly Tortuous
169	FF10AF2	Num	8	Other Newly Dilated
170	FF10AF3	Num	8	Other Newly Dissected
171	FF11A01	Num	8	Mitral valve prolapse
172	FF11A02	Num	8	Mitral valve regurgitation > trace
173	FF11A03	Num	8	Calcified mitral annulus
174	FF11A04	Num	8	Aortic valve regurgitation
175	FF11A05	Num	8	Aortic valve stenosis
176	FF11A06	Num	8	Aortic coarctation, current/repared
177	FF11A07	Num	8	Bicuspid Aortic Valve (BAV)
178	FF11A08	Num	8	Tricuspid regurgitation > trace
179	FF11A09	Num	8	Pulmonary stenosis/right ventricular outflow obstruction
180	FF11A10	Num	8	Pulmonary regurgitation > trace
181	FF11A11	Num	8	Endocarditis
182	FF11A12	Num	8	Atrial arrhythmia
183	FF11A13	Num	8	Cardiac arrhythmia (not atrial)
184	FF11A14	Num	8	Coronary dissection
185	FF11A15	Num	8	Coronary ectasia
186	FF11A16	Num	8	Carotid dissection
187	FF11A17	Num	8	Symptomatic coronary artery disease
188	FF11A18	Num	8	Congestive heart failure/left ventricular dysfunction disease
189	FF11A19	Num	8	Left ventricular dilation disease
190	FF11A20	Num	8	Left ventricular hypertrophy

Num	Variable	Type	Len	Label
191	FF11A21	Num	8	Right ventricular hypertrophy disease
192	FF11A22	Num	8	Right ventricular dysfunction/failure disease
193	FF11A23	Num	8	Dilatation of pulmonary artery
194	FF11A24	Num	8	Other pulmonary artery abnormality
195	FF11A25	Num	8	Hypertension
196	FF11A26	Num	8	New diagnosis of a congenital heart defect, specify
197	FF11B01	Num	8	Pectus carinatum
198	FF11B02	Num	8	Pectus excavatum
199	FF11B03	Num	8	Shield chest, broad with widely spaced nipples
200	FF11B04	Num	8	Recurrent dislocations/subluxations
201	FF11B05	Num	8	Joint hypermobility in >1 joint
202	FF11B06	Num	8	Wrist sign
203	FF11B07	Num	8	Scoliosis that is clinically evident
204	FF11B08	Num	8	Abnormal kyphoscoliosis/lordosis
205	FF11B09	Num	8	Pes planus
206	FF11B11	Num	8	Osteopenia/osteoporosis
207	FF11B12	Num	8	Congenital bilateral dislocated hips
208	FF11B15	Num	8	Joint pain, arthralgia
209	FF11B16	Num	8	Thumb sign
210	FF11B21	Num	8	Clubfoot
211	FF11B22	Num	8	Reduced elbow extension (<170°)
212	FF11B23	Num	8	Long fingers, arachnodactyly
213	FF11B24	Num	8	Genu recurvatum
214	FF11B25	Num	8	Musculoskeletal surgery
215	FF11C01	Num	8	High palate/dental crowding
216	FF11C02	Num	8	Dolicocephaly
217	FF11C03	Num	8	Malar hypoplasia
218	FF11C04	Num	8	Enophthalmos
219	FF11C05	Num	8	Retrognathia
220	FF11C06	Num	8	Down-slanting palpebral fissures
221	FF11C07	Num	8	Cleft palate
222	FF11C08	Num	8	Bifid or broad-based uvula
223	FF11C09	Num	8	Craniosynostosis
224	FF11D01	Num	8	Early-onset varicose veins, <40 years of age
225	FF11D02	Num	8	Arteriovenous malformation
226	FF11D03	Num	8	Stroke
227	FF11D04	Num	8	Arterial rupture
228	FF11D05	Num	8	Lymphedema
229	FF11E01	Num	8	Lens dislocation (ectopia lentis)

Num	Variable	Type	Len	Label
230	FF11E02	Num	8	Glaucoma
231	FF11E04	Num	8	Hypertelorism
232	FF11E05	Num	8	Retinal detachment
233	FF11E06	Num	8	Amblyopia
234	FF11E07	Num	8	Strabismus
235	FF11E09	Num	8	Myopia >4 diopters
236	FF11E10	Num	8	Cataracts, <50 years of age
237	FF11E11	Num	8	Iris Flocculi
238	FF11E12	Num	8	Blue/grey sclera
239	FF11E13	Num	8	Iridodonesis
240	FF11E14	Num	8	Eye surgery
241	FF11F01	Num	8	Ulcerative colitis
242	FF11F02	Num	8	Ruptured bowel
243	FF11F03	Num	8	Crohn's disease
244	FF11F04	Num	8	Irritable bowel syndrome
245	FF11F05	Num	8	Diverticulosis/diverticulitis
246	FF11F06	Num	8	G-tube is present
247	FF11G01	Num	8	Skin hyperextensibility
248	FF11G02	Num	8	Wide atrophic scars
249	FF11G03	Num	8	Poor wound healing
250	FF11G04	Num	8	Easy bruising
251	FF11G05	Num	8	Soft, velvety or doughy skin
252	FF11G06	Num	8	Tissue fragility
253	FF11G08	Num	8	Striae atrophicae
254	FF11G09	Num	8	Hernia
255	FF11G10	Num	8	Recurrent Hernia
256	FF11G11	Num	8	Thin translucent skin
257	FF11G12	Num	8	Webbed neck
258	FF11H01	Num	8	Uterine rupture
259	FF11H02	Num	8	Ovarian failure
260	FF11H03	Num	8	Endometriosis
261	FF11H04	Num	8	Uterine fibroids
262	FF11H05	Num	8	Premature rupture of membranes
263	FF11I01	Num	8	Immediate family history
264	FF11I02	Num	8	Secondary family hx
265	FF12A	Num	8	Beta-blocker
266	FF12B	Num	8	Losartan
267	FF12C	Num	8	Other ARB
268	FF12D	Num	8	ACE-inhibitor

Num	Variable	Type	Len	Label
269	FF12E	Num	8	Statins
270	FF12F	Num	8	Verapamil or Diltiazem
271	FF12G	Num	8	Other Ca+ channel blocker
272	FF12H	Num	8	Other BP lowering drug
273	FF13	Num	8	Undergone surgical procedures?
274	FF13AA	Num	8	Coronary artery bypass grafting or PTCA
275	FF13AB	Num	8	Aortic valve repair
276	FF13AC	Num	8	Isolated aortic valve replacement (non-root)
277	FF13AD	Num	8	Aortic root replacement (valve-replacing)
278	FF13AE	Num	8	Valve-sparing aortic root replacement
279	FF13AF	Num	8	Ascending aortic replacement
280	FF13AG	Num	8	Aortic arch replacement
281	FF13AH	Num	8	Mitral valve repair or replacement
282	FF13AI	Num	8	Coarctation repair/intervention
283	FF13AJ	Num	8	Pacemaker/ICD implantation
284	FF13AK	Num	8	Descending thoracic aortic replacement
285	FF13AL	Num	8	Thoracoabdominal aortic replacement
286	FF13AM	Num	8	Open arterial bypass
287	FF13AO	Num	8	Percutaneous/endovascular intervention, non-coronary
288	FF13AP	Num	8	Aorta to pulmonary shunt
289	FF13AQ	Num	8	TOF repair
290	FF13AR	Num	8	Pulmonary valve replacement
291	FF13AS	Num	8	Tricuspid valve repair/replacement
292	FF13AT	Num	8	Surgical Intervention, Other
293	FF13AU	Num	8	Surgical Intervention, Other
294	FF14	Num	8	Imaging study available?
295	FF16	Num	8	Pregnancy since enrollment?
296	FF16B_1	Num	8	Pregnancy 1 Told about defect?
297	FF16B_2	Num	8	Pregnancy 2 Told about defect?
298	ff02_months	Num	8	Most recent evaluation (months from enrollment).Estimated when month & year were reported
299	ff03_months	Num	8	Patient interview (months from enrollment).Estimated when month & year were reported
300	ff03no_months	Num	8	Patient last known alive (months from enrollment).Estimated when month & year were reported
301	ff10aa_months	Num	8	Ascending, date of earliest abnormality (months from enrollment).Estimated when month & year were reported
302	ff10ab_months	Num	8	Arch, date of earliest abnormality (months from enrollment).Estimated when month & year were reported
303	ff10ac_months	Num	8	Descending, date of earliest abnormality (months from enrollment).Estimated when month & year were reported
304	ff10ad_months	Num	8	Abdominal, date of earliest abnormality (months from enrollment).Estimated when month & year were reported

Num	Variable	Type	Len	Label
305	ff10ae_months	Num	8	Sinus of Valsalva , date of earliest abnormality (months from enrollment).Estimated when month & year were reported
306	ff10af_months	Num	8	Other , date of earliest abnormality (months from enrollment).Estimated when month & year were reported
307	ff11a01_months	Num	8	Mitral valve prolapse Date (months from enrollment).Estimated when month & year were reported
308	ff11a02_months	Num	8	Mitral valve regurgitation > trace Date (months from enrollment).Estimated when month & year were reported
309	ff11a03_months	Num	8	Calcified mitral annulus Date (months from enrollment).Estimated when month & year were reported
310	ff11a04_months	Num	8	Aortic valve regurgitation Date (months from enrollment).Estimated when month & year were reported
311	ff11a05_months	Num	8	Aortic valve stenosis Date (months from enrollment).Estimated when month & year were reported
312	ff11a06_months	Num	8	Aortic coarctation, current/repared Date (months from enrollment).Estimated when month & year were reported
313	ff11a07_months	Num	8	Bicuspid Aortic Valve (BAV) Date (months from enrollment).Estimated when month & year were reported
314	ff11a08_months	Num	8	Tricuspid regurgitation > trace Date (months from enrollment).Estimated when month & year were reported
315	ff11a09_months	Num	8	Pulmonary stenosis/right ventricular outflow obstruction Date (months from enrollment).Estimated when month & year were reported
316	ff11a10_months	Num	8	Pulmonary regurgitation > trace (months from enrollment).Estimated when month & year were reported
317	ff11a11_months	Num	8	Endocarditis Date (months from enrollment).Estimated when month & year were reported
318	ff11a12_months	Num	8	Atrial arrhythmia Date (months from enrollment).Estimated when month & year were reported
319	ff11a13_months	Num	8	Cardiac arrhythmia (not atrial) Date (months from enrollment).Estimated when month & year were reported
320	ff11a14_months	Num	8	Coronary dissection Date (months from enrollment).Estimated when month & year were reported
321	ff11a15_months	Num	8	Coronary ectasia Date (months from enrollment).Estimated when month & year were reported
322	ff11a16_months	Num	8	Carotid dissection Date (months from enrollment).Estimated when month & year were reported
323	ff11a17_months	Num	8	Symptomatic coronary artery disease Date (months from enrollment).Estimated when month & year were reported
324	ff11a18_months	Num	8	Congestive heart failure/left ventricular dysfunction disease Date (months from enrollment).Estimated when month & year were reported
325	ff11a19_months	Num	8	Left ventricular dilation disease Date (months from enrollment).Estimated when month & year were reported
326	ff11a20_months	Num	8	Left ventricular hypertrophy Date (months from enrollment).Estimated when month & year were reported
327	ff11a21_months	Num	8	Right ventricular hypertrophy disease Date (months from enrollment).Estimated when month & year were reported
328	ff11a22_months	Num	8	Right ventricular dysfunction/failure disease Date (months from enrollment).Estimated when month & year were reported
329	ff11a23_months	Num	8	Dilatation of pulmonary artery Date (months from enrollment).Estimated when month & year were reported
330	ff11a24_months	Num	8	Other pulmonary artery abnormality Date (months from enrollment).Estimated when month & year were reported
331	ff11a25_months	Num	8	Hypertension Date (months from enrollment).Estimated when month & year were reported

Num	Variable	Type	Len	Label
332	ff11a26_months	Num	8	New diagnosis of a congenital heart defect, specify Date (months from enrollment).Estimated when month & year were reported
333	ff11b01_months	Num	8	Pectus carinatum Date (months from enrollment).Estimated when month & year were reported
334	ff11b02_months	Num	8	Pectus excavatum Date (months from enrollment).Estimated when month & year were reported
335	ff11b03_months	Num	8	Shield chest, broad with widely spaced nipples Date (months from enrollment).Estimated when month & year were reported
336	ff11b04_months	Num	8	Recurrent dislocations/subluxations Date (months from enrollment).Estimated when month & year were reported
337	ff11b05_months	Num	8	Joint hypermobility in >1 joint Date (months from enrollment).Estimated when month & year were reported
338	ff11b06_months	Num	8	Wrist sign Date (months from enrollment).Estimated when month & year were reported
339	ff11b07_months	Num	8	Scoliosis that is clinically evident Date (months from enrollment).Estimated when month & year were reported
340	ff11b08_months	Num	8	Abnormal kyphoscoliosis/lordosis Date (months from enrollment).Estimated when month & year were reported
341	ff11b09_months	Num	8	Pes planus Date (months from enrollment).Estimated when month & year were reported
342	ff11b11_months	Num	8	Osteopenia/osteoporosis Date (months from enrollment).Estimated when month & year were reported
343	ff11b12_months	Num	8	Congenital bilateral dislocated hips Date (months from enrollment).Estimated when month & year were reported
344	ff11b15_months	Num	8	Joint pain, arthralgia Date (months from enrollment).Estimated when month & year were reported
345	ff11b16_months	Num	8	Thumb sign Date (months from enrollment).Estimated when month & year were reported
346	ff11b21_months	Num	8	Clubfoot Date (months from enrollment).Estimated when month & year were reported
347	ff11b22_months	Num	8	Reduced elbow extension (<170°) Date (months from enrollment).Estimated when month & year were reported
348	ff11b23_months	Num	8	Long fingers, arachnodactyly Date (months from enrollment).Estimated when month & year were reported
349	ff11b24_months	Num	8	Genu recurvatum Date (months from enrollment).Estimated when month & year were reported
350	ff11b25_months	Num	8	Musculoskeletal surgery Date (months from enrollment).Estimated when month & year were reported
351	ff11c01_months	Num	8	High palate/dental crowding Date (months from enrollment).Estimated when month & year were reported
352	ff11c02_months	Num	8	Dolicocephaly Date (months from enrollment).Estimated when month & year were reported
353	ff11c03_months	Num	8	Malar hypoplasia Date (months from enrollment).Estimated when month & year were reported
354	ff11c04_months	Num	8	Enophthalmos Date (months from enrollment).Estimated when month & year were reported
355	ff11c05_months	Num	8	Retrognathia Date (months from enrollment).Estimated when month & year were reported
356	ff11c06_months	Num	8	Down-slanting palpebral fissures Date (months from enrollment).Estimated when month & year were reported
357	ff11c07_months	Num	8	Cleft palate Date (months from enrollment).Estimated when month & year were reported
358	ff11c08_months	Num	8	Bifid or broad-based uvula Date (months from enrollment).Estimated when month & year were reported
359	ff11c09_months	Num	8	Craniosynostosis Date (months from enrollment).Estimated when month & year were reported
360	ff11d01_months	Num	8	Early-onset varicose veins, <40 years of age Date (months from enrollment).Estimated when month & year were reported
361	ff11d02_months	Num	8	Arteriovenous malformation Date (months from enrollment).Estimated when month & year were reported

Num	Variable	Type	Len	Label
362	ff11d03_months	Num	8	Stroke Date (months from enrollment).Estimated when month & year were reported
363	ff11d04_months	Num	8	Arterial rupture Date (months from enrollment).Estimated when month & year were reported
364	ff11d05_months	Num	8	Lymphedema Date (months from enrollment).Estimated when month & year were reported
365	ff11e01_months	Num	8	Lens dislocation (ectopia lentis) Date (months from enrollment).Estimated when month & year were reported
366	ff11e02_months	Num	8	Glaucoma Date (months from enrollment).Estimated when month & year were reported
367	ff11e04_months	Num	8	Hypertelorism Date (months from enrollment).Estimated when month & year were reported
368	ff11e05_months	Num	8	Retinal detachment Date (months from enrollment).Estimated when month & year were reported
369	ff11e06_months	Num	8	Amblyopia Date (months from enrollment).Estimated when month & year were reported
370	ff11e07_months	Num	8	Strabismus Date (months from enrollment).Estimated when month & year were reported
371	ff11e09_months	Num	8	Myopia >4 diopters Date (months from enrollment).Estimated when month & year were reported
372	ff11e10_months	Num	8	Cataracts, <50 years of age Date (months from enrollment).Estimated when month & year were reported
373	ff11e11_months	Num	8	Iris Flocculi Date (months from enrollment).Estimated when month & year were reported
374	ff11e12_months	Num	8	Blue/grey sclera Date (months from enrollment).Estimated when month & year were reported
375	ff11e13_months	Num	8	Iridodonesis Date (months from enrollment).Estimated when month & year were reported
376	ff11e14_months	Num	8	Eye surgery Date (months from enrollment).Estimated when month & year were reported
377	ff11f01_months	Num	8	Ulcerative colitis Date (months from enrollment).Estimated when month & year were reported
378	ff11f02_months	Num	8	Ruptured bowel Date (months from enrollment).Estimated when month & year were reported
379	ff11f03_months	Num	8	Crohn's disease Date (months from enrollment).Estimated when month & year were reported
380	ff11f04_months	Num	8	Irritable bowel syndrome Date (months from enrollment).Estimated when month & year were reported
381	ff11f05_months	Num	8	Diverticulosis/diverticulitis Date (months from enrollment).Estimated when month & year were reported
382	ff11f06_months	Num	8	G-tube is present Date (months from enrollment).Estimated when month & year were reported
383	ff11g10_months	Num	8	Recurrent Hernia Date (months from enrollment).Estimated when month & year were reported
384	ff11g01_months	Num	8	Skin hyperextensibility Date (months from enrollment).Estimated when month & year were reported
385	ff11g02_months	Num	8	Wide atrophic scars Date (months from enrollment).Estimated when month & year were reported
386	ff11g03_months	Num	8	Poor wound healing Date (months from enrollment).Estimated when month & year were reported
387	ff11g04_months	Num	8	Easy bruising Date (months from enrollment).Estimated when month & year were reported
388	ff11g05_months	Num	8	Soft, velvety or doughy skin Date (months from enrollment).Estimated when month & year were reported
389	ff11g06_months	Num	8	Tissue fragility Date (months from enrollment).Estimated when month & year were reported
390	ff11g08_months	Num	8	Striae atrophicae Date (months from enrollment).Estimated when month & year were reported
391	ff11g09_months	Num	8	Hernia Date (months from enrollment).Estimated when month & year were reported
392	ff11g11_months	Num	8	Thin translucent skin Date (months from enrollment).Estimated when month & year were reported
393	ff11g12_months	Num	8	Webbed neck Date (months from enrollment).Estimated when month & year were reported
394	ff11h01_months	Num	8	Uterine rupture Date (months from enrollment).Estimated when month & year were reported
395	ff11h02_months	Num	8	Ovarian failure Date (months from enrollment).Estimated when month & year were reported
396	ff11h03_months	Num	8	Endometriosis Date (months from enrollment).Estimated when month & year were reported

Num	Variable	Type	Len	Label
397	ff11h04_months	Num	8	Uterine fibroids Date (months from enrollment).Estimated when month & year were reported
398	ff11h05_months	Num	8	Premature rupture of membranes Date (months from enrollment).Estimated when month & year were reported
399	ff13aa_months	Num	8	Coronary artery bypass grafting or PTCA Date (months from enrollment).Estimated when month & year were reported
400	ff13ab_months	Num	8	Aortic valve repair Date (months from enrollment).Estimated when month & year were reported
401	ff13ac_months	Num	8	Isolated aortic valve replacement (non-root) Date (months from enrollment).Estimated when month & year were reported
402	ff13ad_months	Num	8	Aortic root replacement (valve-replacing) Date (months from enrollment).Estimated when month & year were reported
403	ff13ae_months	Num	8	Valve-sparing aortic root replacement Date (months from enrollment).Estimated when month & year were reported
404	ff13af_months	Num	8	Ascending aortic replacement Date (months from enrollment).Estimated when month & year were reported
405	ff13ag_months	Num	8	Aortic arch replacement Date (months from enrollment).Estimated when month & year were reported
406	ff13ah_months	Num	8	Mitral valve repair or replacement Date (months from enrollment).Estimated when month & year were reported
407	ff13ai_months	Num	8	Coarctation repair/intervention Date (months from enrollment).Estimated when month & year were reported
408	ff13aj_months	Num	8	Pacemaker/ICD implantation Date (months from enrollment).Estimated when month & year were reported
409	ff13ak_months	Num	8	Descending thoracic aortic replacement Date (months from enrollment).Estimated when month & year were reported
410	ff13al_months	Num	8	Thoracoabdominal aortic replacement Date (months from enrollment).Estimated when month & year were reported
411	ff13am_months	Num	8	Open arterial bypass Date (months from enrollment).Estimated when month & year were reported
412	ff13ao_months	Num	8	Percutaneous/endovascular intervention, non-coronary Date (months from enrollment).Estimated when month & year were reported
413	ff13ap_months	Num	8	Aorta to pulmonary shunt Date (months from enrollment).Estimated when month & year were reported
414	ff13aq_months	Num	8	TOF repair Date (months from enrollment).Estimated when month & year were reported
415	ff13ar_months	Num	8	Pulmonary valve replacement Date (months from enrollment).Estimated when month & year were reported
416	ff13as_months	Num	8	Tricuspid valve repair/replacement Date (months from enrollment).Estimated when month & year were reported
417	ff13at_months	Num	8	Surgical Intervention, Other Date (months from enrollment).Estimated when month & year were reported
418	ff13au_months	Num	8	Surgical Intervention, Other Date (months from enrollment).Estimated when month & year were reported
419	FF151	Num	8	Sources for information- Medical record of exam by a geneticist done at your institution
420	FF152	Num	8	Sources for information- Medical record of other exams and tests done at your institution
421	FF153	Num	8	Sources for information- Medical record of exams and tests done elsewhere
422	FF154	Num	8	Sources for information- Medical record of patient interviews and clinical history
423	FF155	Num	8	Sources for information- Direct patient interview specifically for this study
424	ff16a_11	Num	8	Pregnancy 1 - Live birth



<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
425	ff16a_12	Num	8	Pregnancy 1 - Still birth
426	ff16a_13	Num	8	Pregnancy 1 -miscarriage
427	ff16a_14	Num	8	Pregnancy 1 - Abortion
428	ff16a_15	Num	8	Pregnancy 1 -Tubal, ectopic
429	ff16a_16	Num	8	Pregnancy 1 - Currently pregnant
430	FF16A_21	Num	8	Pregnancy 2 - Live birth
431	FF16A_22	Num	8	Pregnancy 2 - Still birth
432	FF16A_23	Num	8	Pregnancy 2 -miscarriage
433	FF16A_24	Num	8	Pregnancy 2 - Abortion
434	FF16A_25	Num	8	Pregnancy 2 -Tubal, ectopic
435	FF16A_26	Num	8	Pregnancy 2 - Currently pregnant
436	FF16C_11	Num	8	Pregnancy 1 - High blood pressure, toxemia
437	FF16C_12	Num	8	Pregnancy 1 - Maternal diabetes
438	FF16C_13	Num	8	Pregnancy 1 - Premature rupture of membranes
439	FF16C_14	Num	8	Pregnancy 1 - Change in aortic dimension
440	FF16C_15	Num	8	Pregnancy 1 - Aortic dissection or rupture
441	FF16C_21	Num	8	Pregnancy 2 - High blood pressure, toxemia
442	FF16C_22	Num	8	Pregnancy 2 - Maternal diabetes
443	FF16C_23	Num	8	Pregnancy 2 - Premature rupture of membranes
444	FF16C_24	Num	8	Pregnancy 2 - Change in aortic dimension
445	FF16C_25	Num	8	Pregnancy 2 - Aortic dissection or rupture

**Data Set Name: gentacoffstudy.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random subject ID
2	F1403YY	Num	8	date last known alive - year
3	F1404YY	Num	8	date of death - year
4	F1405A	Char	150	Primary cause of death
5	F1405B	Char	150	Secondary cause - 1
6	F1405C	Char	150	secondary cause of death -2
7	F1405D	Char	150	Secondary cause of death - 3
8	F1406YY	Num	8	Autopsy date - year
9	F1406B	Char	150	Autopsy - Cardiovascular findings
10	F1401	Num	8	Event
11	F1405	Num	8	cause of death
12	F1406	Num	8	was autopsy performed
13	f1403_months	Num	8	date last known alive date(months from enrollment). Estimated when month & year are reported
14	F1404_months	Num	8	date of death- date(months from enrollment). Estimated when month & year are reported
15	F1406_months	Num	8	Autopsy Date - date(months from enrollment). Estimated when month & year are reported

***Data Set Name: gentacpcore.sas7bdat***

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	deID	Char	25	Random subject ID
2	PCOREconf	Char	17	PCore diagnosis confirmation

**Data Set Name: gentacregistration\_data.sas7bdat**

Num	Variable	Type	Len	Label
1	deID	Char	25	Random ID
2	F103YY	Num	8	3 - Date of enrollment to registry (year)
3	F106YY	Num	8	6 - Date of birth (year)
4	F1081	Char	50	8 - White
5	F1082	Char	50	8 - Black/African American
6	F1083	Char	50	8 - Asian
7	F1084	Char	50	8 - American Indian/Alaska Native
8	F1085	Char	50	8 - Native Hawaiian/Pacific Islander
9	F1086	Char	5	8 - Unknown
10	F101A	Num	8	1A - Marfan syndrome
11	F101B	Num	8	1B - Turner syndrome
12	F101C	Num	8	1C - Ehlers-Danlos syndrome, vascular
13	F101D	Num	8	1D - Ehlers-Danlos syndrome, other
14	F101E	Num	8	1E - Loeys-Dietz syndrome
15	F101F	Num	8	1F - FBN1, TGFBR1 or TGFBR2 genetic mutation
16	F101G	Num	8	1G - BAV with aortic enlargement, with or w/o family history
17	F101H	Num	8	1H - BAV w/o enlargement, but with family history
18	F101N	Num	8	1N - BAV with coarctation
19	F101I	Num	8	1I - Shprintzen-Goldberg syndrome
20	F101J	Num	8	1J - Familial Thoracic Aortic Aneurysm and Dissection
21	F101K	Num	8	1K - Other aneurysms/dissections of the thoracic aorta in persons < 50 years of age
22	F101L	Num	8	1L - Other congenital heart disease with aortic enlargement and family history
23	F101M	Num	8	1M - 1st degree family member of proband already enrolled in the GenTAC registry (with approval)
24	F107	Num	8	7 - Gender
25	F109	Num	8	9 - Hispanic/Latino origin
26	F116	Num	8	16 - Karnofsky performance
27	F104	Num	8	Ever diagnosed with a thoracic aortic aneurysm, dissection or rupture
28	F122	Num	8	Ever undergone surgery for a thoracic aortic aneurysm, dissection or rupture
29	F123	Num	8	Status and follow-up potential for this patient
30	f106_days	Num	8	Birth date (days to enrollment)