

**Data Set Name: abg.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	ABGND	Char	1	Please check if ABG was not performed at this visit.
5	ABGFIOX	Num	8	FiO2 (%)
6	ABGPH	Num	8	pH
7	ABGPAOX	Num	8	PaO2 (mm Hg)
8	ABGPACOX	Num	8	PaCO2 (mm Hg)
9	ABGSAOX	Num	8	SaO2 (%)

**Data Set Name: ae.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	AEID	Char	20	AEID
5	AEVENT	Num	8	Adverse event
6	RESPSPEC	Num	8	Respiratory worsening specify:
7	UNKSPCFY	Num	8	Unknown cause specify:
8	AEONSTDT	Char	12	Onset date
9	AEENDDT	Char	12	End date
10	AECONT	Char	1	AE Ongoing
11	HOSP	Num	8	Hospitalized?
12	AEINTNS	Num	8	Maximum intensity
13	AESER	Num	8	Was event serious?
14	AEREALTE	Num	8	Relationship to intervention
15	AEOUTCME	Num	8	Final outcome
16	LLT_CODE	Char	1500	LLT_CODE
17	LLT_NAME	Char	1500	LLT_NAME
18	PT_CODE	Char	1500	PT_CODE
19	PT_TERM	Char	1500	PT_TERM
20	HLT_CODE	Char	1500	HLT_CODE
21	HLT_TERM	Char	1500	HLT_TERM
22	HLGT_CODE	Char	1500	HLGT_CODE
23	HLGT_TERM	Char	1500	HLGT_TERM
24	SOC_CODE	Char	1500	SOC_CODE
25	SOC_TERM	Char	1500	SOC_TERM

**Data Set Name: bc.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	BCND	Char	1	Please check if blood samples were not collected at this visit.
5	BCDT	Char	12	Date blood samples were drawn
6	BCTM	Char	9	Time blood samples were drawn
7	BCPRDT	Char	12	Processing date
8	BCPRTM	Char	9	Processing time
9	BCDNA	Num	8	Was DNA collected?
10	BCDYLD	Num	8	If yes, Yield (ml)
11	BCDALQ	Num	8	# of aliquots
12	BCPLASMA	Num	8	Was plasma collected?
13	BCPYLD	Num	8	If yes, Yield (ml)
14	BCPALQ	Num	8	# of aliquots
15	BCSERUM	Num	8	Was serum collected?
16	BCSYLD	Num	8	If yes, Yield (ml)
17	BCSALQ	Num	8	# of aliquots

**Data Set Name: broncho.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	BROOBT	Char	1	Check this box if the subject is randomized into OMT.
5	BRONYN	Num	8	Was bronchoscopy performed on subject?
6	BRBAL	Num	8	Was bronchial alveolar lavage (BAL) fluid collected?
7	BRBALINS	Num	8	If yes: Volume of BAL instilled (ml)
8	BRBALCOL	Num	8	Volume of BAL collected (ml)
9	BRAEC	Num	8	Were airway epithelial cells (AEC) collected?
10	BRAECBR	Num	8	If yes: Number of brushes sent

**Data Set Name: cm.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	CMND	Char	1	Medications were not collected at this visit.
5	CMPPPI	Num	8	Proton Pump Inhibitors (PPI)
6	CMH2B	Num	8	H2 Blockers (H2 Receptor Antagonists)
7	CMCP	Num	8	Chronic prednisone (>1month)
8	CMCPDOSE	Num	8	If current or previous, chronic/ average dose taken (mg/day):
9	CMAZT	Num	8	Azathioprine
10	CMNAC	Num	8	N-acetylcysteine (NAC)
11	CMCOT	Num	8	Cotrimoxazole
12	CMMDI	Num	8	Albuterol/ atrovent/ other metered-dose inhaler (MDI)
13	CMPIRF	Num	8	Pirfenidone
14	CMNINT	Num	8	Nintedanib

**Data Set Name: cmfp.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	CMFPND	Char	1	Medications were not collected at this visit.
5	CMPPPI	Num	8	Proton Pump Inhibitors (PPI)
6	CMH2B	Num	8	H2 Blockers (H2 Receptor Antagonists)
7	CMCP	Num	8	Chronic prednisone (>1month)
8	CMCPDOSE	Num	8	If current, chronic/ average dose taken (mg/day):
9	CMAZT	Num	8	Azathioprine
10	CMNAC	Num	8	N-acetylcysteine (NAC)
11	CMCOT	Num	8	Cotrimoxazole
12	CMMDI	Num	8	Albuterol/ atrovent/ other metered-dose inhaler (MDI)
13	CMPIRF	Num	8	Pirfenidone
14	CMNINT	Num	8	Nintedanib

**Data Set Name: consent.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	INFCONDT	Num	8	Date subject signed informed consent
5	BIOSUB	Num	8	Did subject consent for biological impact sub-study?
6	ADDDATA	Num	8	Did subject consent to share data for additional research?
7	SPECDATA	Num	8	Did subject consent to have specimens stored for additional research?
8	BIODATA	Num	8	Did subject consent to share biological specimens for research?

**Data Set Name: death.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	DTHWHERE	Num	8	Where did subject die?
5	DTHDT	Num	8	Date of death
6	DTHCAUSE	Num	8	Cause of death
7	DTHPULM	Num	8	Pulmonary death specify



**Data Set Name: dm.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	SEX	Char	1	Sex
5	SMOKE	Num	8	Smoking status
6	SMOKEDT	Char	12	If past smoker, date last smoked
7	SMOKEYRS	Num	8	How many total years has subject smoked? (years)
8	SMOKPACK	Num	8	On average during that time, how many packs (or equivalents) per day of cigarettes did the subject smoke? (packs/day)

**Data Set Name: dov.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	DOVDT	Num	8	Date of visit
5	DOVCOMP	Num	8	Did subject complete the visit?
6	DOVCONT	Num	8	If no, will subject continue in the study?
7	DOVDTH	Num	8	If no, was it due to death of subject?
8	DOVSX	Num	8	Did subject cross over to surgery?
9	DOVSXDT	Char	12	If yes, date of surgery?
10	DOVLTX	Num	8	Has the subject had a lung transplant?

**Data Set Name: ds.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	DSSTDT	Char	12	Date of Completion or Discontinuation
5	CMPLTEYN	Num	8	Did subject complete the study?
6	DSTERM	Num	8	Reason for Discontinuation
7	DSLTFDT	Char	12	Date
8	DSLTXDT	Char	12	Date of lung transplant

**Data Set Name: enroll.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	INCEXCL	Num	8	Does subject meet all study inclusion / exclusion criteria?
5	ENROLLDT	Num	8	Enrollment date
6	SUBRAND	Num	8	Subject randomization

**Data Set Name: *excluson.sas7bdat***

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	FVC	Num	8	FVC %pred (%)
5	FEVFVC	Num	8	FEV1/FVC ratio (%)
6	PAOAIR	Num	8	Resting room air PaO2 (mmHg)
7	WALKED	Num	8	Distance walked on screening 6MWT (m)
8	HCRTDT	Char	12	Date of HRCT scan
9	RADRVW	Num	8	Local radiology review (Choose one category)
10	HRCTRVW	Char	12	Date of HRCT review
11	LUNGBIOP	Num	8	Was lung biopsy reviewed?
12	BIOPDT	Char	12	Date of biopsy
13	PATHRVW	Num	8	Local pathology review (Choose one category)
14	BIOPRDT	Char	12	Date of biopsy review

**Data Set Name: gerd.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	GERDND	Char	1	Please check if documentation was not collected at this visit.
5	FQND	Char	1	Not Collected
6	FQHRTBRN	Num	8	1. Do you get heartburn?
7	FQBLOAT	Num	8	2. Does your stomach get bloated?
8	FQHEAVY	Num	8	3. Does your stomach ever feel heavy after meals?
9	FQRUB	Num	8	4. Do you sometimes subconsciously rub your chest with your hand?
10	FQSICK	Num	8	5. Do you feel sick after meals?
11	FQHRTAFT	Num	8	6. Do you get heartburn after meals?
12	FQTHROAT	Num	8	7. Do you have an unusual (e.g. burning) sensation in your throat?
13	FQFULL	Num	8	8. Do you feel full while eating meals?
14	FQSTUCK	Num	8	9. Do some things get stuck when you swallow?
15	FQACID	Num	8	10. Do you get bitter liquid (acid) coming up into your throat?
16	FQBURP	Num	8	11. Do you burp a lot?
17	FQHRTBND	Num	8	12. Do you get heartburn if you bend over?
18	QLND	Char	1	Not Collected
19	QLHRTBRN	Num	8	1. How bad is your heartburn?
20	QLLYING	Num	8	2. Heartburn when lying down?
21	QLSTAND	Num	8	3. Heartburn when standing up?
22	QLHRTAFT	Num	8	4. Heartburn after meals?
23	QLDIET	Num	8	5. Does heartburn change your diet?
24	QLSLEEP	Num	8	6. Does heartburn wake you from sleep?
25	QLDIFFSW	Num	8	7. Do you have difficulty swallowing?
26	QLPAINSW	Num	8	8. Do you have pain with swallowing?
27	QLBLOAT	Num	8	9. Do you have bloating or gassy feelings?
28	QLMEDS	Num	8	10. If you take medication, does this affect your daily life?
29	PHND	Char	1	Not Collected
30	PHPROBE	Num	8	Was probe located 5cm above LES
31	PHTOTAL	Num	8	total time pH <4 (%)
32	PHUPRHT	Num	8	upright time pH <4 (%)
33	PHSUPINE	Num	8	supine time pH <4 (%)
34	PHRFLEPS	Num	8	# of reflux episodes
35	PHRFLEPL	Num	8	# of reflux episodes >5min
36	PHTMRFL	Num	8	Longest reflux episode (mins)

Num	Variable	Type	Len	Label
37	PHSCORE	Num	8	Overall DeMeester Score
38	MNND	Char	1	Not Collected
39	MNFREQ	Num	8	Frequency of contractions (per minute)
40	MNTOTAL	Num	8	Total
41	MNPERI	Num	8	Peristaltic
42	MNSIMUL	Num	8	Simultaneous
43	MNISOLAT	Num	8	Isolated
44	MNDBPEAK	Num	8	Double-peaked
45	MNMUPEAK	Num	8	Multi-peaked
46	MNAMP	Num	8	Mean amplitude (mmHg)
47	MNDUR	Num	8	Mean duration (secs)
48	MNIMP	Num	8	Impression of peristalsis
49	MNLESLNG	Num	8	LES length (cm)
50	MNLESRTP	Num	8	LES resting pressure (mmHg)
51	MNLESRDP	Num	8	LES residual pressure (mmHg)
52	MNUESRTP	Num	8	UES resting pressure (mmHg)
53	MNUESRLX	Num	8	UES relaxation (%)
54	MNPERICN	Num	8	% peristaltic contractions (%)
55	MNHYPOCN	Num	8	% hypotensive or dropped contractions (%)
56	MNSIMUCN	Num	8	% simultaneous contractions (%)
57	MNESOAMP	Num	8	Mean amplitude: distal esophageal amplitude (mmHg)
58	MNEBMP	Num	8	Esophageal body motility pattern (select only one)

**Data Set Name: *hc.sas7bdat***

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	HCSRTDT	Char	12	Start date
5	HCENDDT	Char	12	End date
6	HCADMIN	Num	8	Admission type
7	HCRESP	Char	1	Check if respiratory-related
8	HCDISCHG	Num	8	Discharge destination



**Data Set Name: hrct.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	HRENRR	Num	8	Was an HRCT performed for this study because a satisfactory HRCT had not been performed within the previous 3 months?
5	HRFUP	Num	8	Was a week 48 HRCT performed on this subject?

**Data Set Name: iceeq.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	ICEEQND	Char	1	Please check if outcome battery was not performed at this visit.
5	COUGHVAS	Char	1	Cough VAS
6	COUGHSEV	Num	8	How would rate the severity of your cough?(0-100)
7	ICEND	Char	1	Not Collected
8	ICELOVE	Num	8	Love and Friendship
9	ICEFUTR	Num	8	Thinking about the future
10	ICEVALUE	Num	8	Doing things that make you feel valued
11	ICEENJOY	Num	8	Enjoyment and pleasure
12	ICEINDEP	Num	8	Independence
13	EQND	Char	1	Not Collected
14	EQMOB	Num	8	Mobility
15	EQSC	Num	8	Self-Care
16	EQUA	Num	8	Usual activities (e.g. work, study, housework, family or leisure activities)
17	EQPAIN	Num	8	Pain/Discomfort
18	EQANX	Num	8	Anxiety/Depression
19	EQVAS	Num	8	Value of EQ-5D VAS (0-100)

**Data Set Name: introp.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	OPTM	Num	8	Operative time (mins)
5	BLDLOSS	Num	8	Estimated blood loss (cc)
6	INTRCMP	Num	8	Intraoperative complications?
7	OPNPROC	Num	8	Conversion to open procedure?
8	MESH	Num	8	Was mesh used during procedure?
9	BOUGIE	Num	8	Size of bougie used in procedure
10	NISSEN	Num	8	Length of Nissen (cm)
11	NSENUNK	Char	1	Length of Nissen - Unknown
12	HIHERNIA	Num	8	Hiatus hernia present
13	HRNIASZE	Num	8	If yes, size of hernia
14	VGUSNERG	Num	8	Identification and preservation of vagus nerves?
15	LENGTHN	Num	8	Esophageal lengthening procedure added?
16	CIRRH	Char	1	Cirrhosis
17	HSPN	Char	1	Hypersplenism
18	HPTMGLY	Char	1	Hepatomegaly
19	PHTN	Char	1	Evidence of portal hypertension
20	INABDADH	Char	1	Presence of intra-abdominal adhesions
21	VARANAT	Char	1	Variant anatomy
22	ABNOTHR	Char	1	Other
23	OTHABNYN	Num	8	Were there other abnormal intraoperative findings?

**Data Set Name: mh.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	CAD	Num	8	Coronary artery disease
5	ACUTEMI	Num	8	Acute MI
6	VALVHD	Num	8	Valvular heart disease
7	HF	Num	8	Heart failure
8	AFIB	Num	8	Atrial fibrillation
9	DIABETES	Num	8	Diabetes
10	PULMHY	Num	8	Pulmonary hypertension
11	COPD	Num	8	Chronic obstructive pulmonary disease (COPD)
12	ASTHMA	Num	8	Asthma
13	PEMBL	Num	8	Pulmonary embolism
14	LUNGCANC	Num	8	Lung cancer
15	OTHCANC	Num	8	Other cancer
16	GERD	Num	8	Gastroesophageal reflux (GER)
17	BRTESOPH	Num	8	Barrett's esophagus
18	HIATAL	Num	8	Hiatal hernia
19	HOSPNEU	Num	8	Hospitalization for pneumonia / respiratory cause in last 6 months

**Data Set Name: postop.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	DAYSSTY	Num	8	Length of stay post-operatively. (days)
5	DAYSICU	Num	8	Days spent in ICU
6	READMIT	Num	8	Was patient readmitted to the hospital within 30 days?
7	REINTUBE	Num	8	Did patient require re-intubation?
8	VENTLTR	Num	8	Days on ventilator
9	REOPBLD	Num	8	Was re-operation for bleeding required?
10	COMPLCTN	Num	8	Did patient suffer other post-operative complications (within 30 days of surgery)?

**Data Set Name: preop.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	PREVSURG	Num	8	Any previous abdominal surgery affecting the operative field?
5	ENDOSCPY	Num	8	Endoscopy
6	BARIUM	Num	8	Barium swallow
7	EKG	Num	8	Echocardiogram
8	RSVPVAL	Num	8	If yes, RVSP (mmHg)
9	RGHTHRT	Num	8	Right heart catheterization
10	GASTRIC	Num	8	Gastric emptying study
11	CHSTXRAY	Num	8	Chest x-ray

**Data Set Name: sae.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	SAESDTH	Char	1	Death
5	AUTOPSY	Num	8	If Death is selected, was an autopsy performed?
6	SAESLIFE	Char	1	Life-threatening
7	SAESHOSP	Char	1	Require inpatient hospitalization or prolongation of existing hospitalization
8	SAEDISAB	Char	1	Persistent or significant disability / incapacity
9	SAESCONG	Char	1	Congenital anomaly or birth defect
10	SAESIME	Char	1	Important medical event
11	SAEPI	Char	1	I verify that the data on this SAE form accurately displays the results of the examination, tests, evaluations and treatments noted within.

**Data Set Name: sgrq.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	SGRQND	Char	1	Please check if questionnaire was not performed at this visit.
5	CURHLTH	Num	8	Please check one box to show how you describe your current health:
6	STG01	Num	8	1. Over the past 4 weeks, I have coughed:
7	STG02	Num	8	2. Over the past 4 weeks, I have brought up phlegm (sputum):
8	STG03	Num	8	3. Over the past 4 weeks, I have had shortness of breath:
9	STG04	Num	8	4. Over the past 4 weeks, I have had wheezing attacks:
10	STG05	Num	8	5. How many times during the past 4 weeks have you suffered from severe or very unpleasant respiratory attacks?
11	STG06	Num	8	6. How long did your worst respiratory attack last? (Go to question 7 if you did not have a severe attack)
12	STG07	Num	8	7. Over the past 4 weeks, in a typical week, how many good days (with few respiratory problems) have you had?
13	STG08	Num	8	8. If you wheeze, is it worse when you get up in the morning?
14	STG09	Num	8	9. How would you describe your respiratory condition?
15	STG10	Num	8	10. If you have ever held a job:
16	STG11A	Num	8	Sitting or lying still
17	STG11B	Num	8	Washing or dressing yourself
18	STG11C	Num	8	Walking around the house
19	STG11D	Num	8	Walking outside on a level ground
20	STG11E	Num	8	Walking up a flight of stairs
21	STG11F	Num	8	Walking up hills
22	STG11G	Num	8	Playing sports or other physical activities
23	STG12A	Num	8	Coughing hurts
24	STG12B	Num	8	Coughing makes me tired
25	STG12C	Num	8	I am short of breath when I talk
26	STG12D	Num	8	I am short of breath when I bend over
27	STG12E	Num	8	My coughing or breathing disturbs my sleep
28	STG12F	Num	8	I get exhausted easily
29	STG13A	Num	8	My cough or breathing is embarrassing in public
30	STG13B	Num	8	My respiratory problems are a nuisance to my family, friends, or neighbors
31	STG13C	Num	8	I get afraid or panic when I cannot catch my breath
32	STG13D	Num	8	I feel that I am not in control of my respiratory problems
33	STG13E	Num	8	I do not expect my respiratory problems to get any better
34	STG13F	Num	8	I have become frail or an invalid because of my respiratory problems



Num	Variable	Type	Len	Label
35	STG13G	Num	8	Exercise is not safe for me
36	STG13H	Num	8	Everything seems too much of an effort
37	SGNOTXT	Char	1	Not Receiving Respiratory Treatment
38	STG14A	Num	8	My treatment does not help me very much
39	STG14B	Num	8	I get embarrassed using my medication in public
40	STG14C	Num	8	I have unpleasant side effects from my medication
41	STG14D	Num	8	My treatment interferes with my life a lot
42	STG15A	Num	8	I take a long time to get washed or dressed
43	STG15B	Num	8	I cannot take a bath or shower, or I take a long time to do it
44	STG15C	Num	8	I walk slower than other people my age, or I stop to rest
45	STG15D	Num	8	Jobs such as household chores take a long time, or I have to stop to rest
46	STG15E	Num	8	If I walk up one flight of stairs, I have to go slowly or stop
47	STG15F	Num	8	If I hurry or walk fast, I have to stop or slow down
48	STG15G	Num	8	My breathing makes it difficult to do things such as walk up hills, carry things up stairs, light gardening such as weeding, dance, bowl or play golf
49	STF15H	Num	8	My breathing makes it difficult to do things such as carry heavy loads, dig in the garden or shovel snow, jog or walk briskly (5 miles per hour), play tennis or swim
50	STG15I	Num	8	My breathing makes it difficult to do things such as very heavy manual work, ride a bike, run, swim fast, or play competitive sports
51	STG16A	Num	8	I cannot play sports or do other physical activities
52	STG16B	Num	8	I cannot go out for entertainment or recreation
53	STG16C	Num	8	I cannot go out of the house to do the shopping
54	STG16D	Num	8	I cannot do household chores
55	STG16E	Num	8	I cannot move far from my bed or chair
56	STG17	Num	8	17. Now please check the box (one only) that you think best describes how your respiratory problems affect you:

**Data Set Name: spiro.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	SPIROND	Char	1	Please check if procedures were not performed
5	PRIMEYES	Char	1	Pre-Bronchodilator: Primary
6	PRMFEV	Num	8	FEV1: Actual (liters)
7	PRMFVC	Num	8	FVC: Actual (liters)
8	PRMVC	Num	8	VC: Actual (liters)
9	REP1YES	Char	1	Pre-Bronchodilator: Replicate 1
10	REP1FEV	Num	8	FEV1: Actual (liters)
11	REP1FVC	Num	8	FVC: Actual (liters)
12	REP1VC	Num	8	VC: Actual (liters)
13	REP2YES	Char	1	Pre-Bronchodilator: Replicate 2
14	REP2FEV	Num	8	FEV1: Actual (liters)
15	REP2FVC	Num	8	FVC: Actual (liters)
16	REP2VC	Num	8	VC: Actual (liters)
17	DLCOACT	Num	8	DLCO: actual (mL/min/mmHg)
18	DLCOVA	Num	8	VA (alveolar volume) (liters)
19	DLCOHEMO	Num	8	Hemoglobin: (g/dL)
20	DLCOADHM	Num	8	Hemoglobin adjusted DLCO: (mL/min/mmHg)
21	SPRVISIT	Num	8	Indicate at which visit these values were collected

**Data Set Name: *surginfo.sas7bdat***

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	SURGYN	Num	8	Did subject receive the surgical intervention?
5	SURGDT	Num	8	Date of surgery
6	BRONCHO	Num	8	Was bronchoscopy performed on subject?
7	BALFLUID	Num	8	Was bronchial alveolar lavage (BAL) fluid collected?
8	BALNSTLD	Num	8	Volume of BAL instilled (ml)
9	BALCOLL	Num	8	Volume of BAL collected (ml)
10	AECYN	Num	8	Were airway epithelial cells (AEC) collected?
11	AECBRUSH	Num	8	Number of brushes sent

**Data Set Name: tele.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	TELEND	Char	1	Please check if telephone contact was not performed at this visit.
5	TELCONDT	Num	8	Date of telephone contact
6	TELEDETH	Num	8	Was subject determined to have died?
7	TELEAE	Num	8	Did subject report any adverse events (serious or non-serious?)
8	TELEHC	Num	8	Did subject report any contacts with the health care system (hospitalizations, ER visits, unscheduled outpatient care)?

**Data Set Name: ucsd.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	UCSDND	Char	1	Please check if questionnaire was not performed at this visit.
5	UCSD1	Num	8	At rest
6	UCSD2	Num	8	Walking on a level at your own pace
7	UCSD3	Num	8	Walking on a level with others your age
8	UCSD4	Num	8	Walking up a hill
9	UCSD5	Num	8	Walking up stairs
10	UCSD6	Num	8	While eating
11	UCSD7	Num	8	Standing up from a chair
12	UCSD8	Num	8	Brushing teeth
13	UCSD9	Num	8	Shaving and/or brushing hair
14	UCSD10	Num	8	Showering/bathing
15	UCSD11	Num	8	Dressing
16	UCSD12	Num	8	Picking up and straightening
17	UCSD13	Num	8	Doing dishes
18	UCSD14	Num	8	Sweeping/vacuuming
19	UCSD15	Num	8	Making bed
20	UCSD16	Num	8	Shopping
21	UCSD17	Num	8	Doing laundry
22	UCSD18	Num	8	Washing car
23	UCSD19	Num	8	Mowing lawn
24	UCSD20	Num	8	Watering lawn
25	UCSD21	Num	8	Sexual activities
26	UCSD22	Num	8	Shortness of breath
27	UCSD23	Num	8	Fear of "hurting myself" by overexerting
28	UCSD24	Num	8	Fear of shortness of breath

**Data Set Name: vs.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	VSDT	Num	8	Date of Collection
5	WEIGHT	Num	8	Weight (lbs)
6	HEIGHT	Num	8	Height (in)
7	SYSBP	Num	8	BP (systolic)(mmHg)
8	DIABP	Num	8	BP (diastolic)(mmHg)
9	HRTRATE	Num	8	Heart rate (bpm)
10	SPOX	Num	8	SpO2 (%)

**Data Set Name: walk.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISNAME	Char	100	Visit Name
3	VISITID	Num	8	Visit Id
4	WALKND	Char	1	Please check if walk test was not performed at this visit.
5	PREBORG	Num	8	Pre-walk modified Borg Dyspnea Scale rating
6	WKSPOX	Num	8	Resting room air SpO2 (%)
7	WKPERF	Num	8	Was walk performed?
8	WKSUPOX	Num	8	Was supplemental O2 used during walk?
9	WKAMTOX	Num	8	If yes: Amount of supplemental O2? (liters/min)
10	WKSPOSUP	Num	8	If yes: SpO2 on supplemental O2? (%)
11	WKAID	Num	8	Was a walking aid necessary to perform the 6MWT?
12	WKSPAID	Num	8	If yes: Specify type of walking aid
13	WKCOMPL	Num	8	Did subject complete 6MWT?
14	WKMIN	Num	8	minutes
15	WKSEC	Num	8	seconds
16	WKSPRSN	Num	8	If no: Reason for stopping early?
17	WKDIST	Num	8	Distance walked (meters)
18	WKDSAT	Num	8	Did subject desaturate (SpO2 < 88%)?
19	WKDSMIN	Num	8	minutes
20	WKDSSEC	Num	8	seconds
21	WKDSMTR	Num	8	If yes: walk distance at desaturation (meters)
22	WKLOWSP	Num	8	Lowest SpO2 (%)
23	POSTBORG	Num	8	Post-walk modified Borg Dyspnea Scale rating
24	WVISIT	Num	8	Indicate at which visit these values were collected

**Data Set Name: aea.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	LLTCODE	Char	21	Lower Level Term Code
3	PTCODE	Char	21	Preferred Term Code
4	SOCCODE	Char	21	Body System Code
5	HLTCODE	Char	21	High-Level Term Code
6	LLTNAME	Char	120	Lower Level Term Name
7	PTNAME	Char	120	Preferred Term Name
8	HLTNAME	Char	120	High-Level Term Name
9	SOCNAME	Char	120	Body System Name
10	AENUM	Num	8	AE Number
11	AEVE	Num	8	Adverse event
12	AERW	Num	8	Respiratory worsening
13	AERWUK	Num	8	Respiratory worsening unknown cause
14	AEHOSP	Num	8	Hospitalized
15	MAXINT	Num	8	Max Intensity
16	EVESER	Num	8	SAE
17	RELATINT	Num	8	Relationship to intervention
18	OUTAE	Num	8	Final outcome
19	DTHAUTO	Num	8	Autopsy performed
20	DTHAE	Num	8	Death
21	LIFET	Num	8	Life-threatening
22	HOSPI	Num	8	Require inpatient hospitalization or prolongation of existing hospitalization
23	DISAB	Num	8	Persistent or significant disability / incapacity
24	CONGA	Num	8	Congenital anomaly or birth defect
25	IMPME	Num	8	Important medical event
26	CONTAE	Num	8	AE Ongoing
27	SURGAE	Num	8	Surgery Related AE
28	AEONSDT	Num	8	Onset Date
29	AEEDDT	Num	8	End Date
30	AEDUR	Num	8	AE Duration (Weeks)
31	DAYSRAND	Num	8	Days Since Randomization
32	WKSRAND	Num	8	Weeks Since Randomization
33	HCEAT	Num	8	Admission type
34	HCEDD	Num	8	Discharge destination
35	WKSHCE	Num	8	Weeks to admission
36	HCEDDT	Num	8	Discharge date



<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
37	HCERR	Num	8	Respiratory-related
38	HCEADT	Num	8	Admission date
39	NEHOSP	Num	8	Non-Electiive Hospitalization
40	RRHOSP	Num	8	Respiratory related hospitalization

**Data Set Name: artbg.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VWEEK	Num	8	Visit week
3	FIO2T	Num	8	FiO2
4	PHT	Num	8	pH
5	ARTPO2	Num	8	Arterial PO2
6	ARTPCO2	Num	8	Arterial PCO2
7	ARTSO2	Num	8	Arterial SO2
8	BARPR	Num	8	Barometric pressure
9	ALVPO2	Num	8	Alveolar PO2
10	AAGRAD	Num	8	Alveolar-Arterial gradient
11	BFIO2T	Num	8	FiO2 at baseline
12	BPHT	Num	8	pH at Baseline
13	BARTPO2	Num	8	PaO2 at baseline
14	BARTPCO2	Num	8	PaCO2 at baseline
15	BARTSO2	Num	8	SaO2 at baseline
16	BAAGRAD	Num	8	Alveolar-Arterial gradient at baseline
17	CFIO2T	Num	8	FiO2 change from baseline
18	CAAGRAD	Num	8	Alveolar-Arterial gradient change from baseline
19	CPHT	Num	8	pH change from baseline
20	CARTPO2	Num	8	PaO2 change from baseline
21	CARTPCO2	Num	8	PaCO2 change from baseline
22	CARTSO2	Num	8	SaO2 change from baseline

**Data Set Name: base.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	SEX	Char	1	Sex
3	SMOKEST	Num	8	Smoking Status
4	BASEBPSY	Num	8	BP systolic (mmHg)
5	BASEBPDI	Num	8	BP diastolic (mmHg)
6	BASEHR	Num	8	Heart rate (bpm)
7	BASESPO2	Num	8	SpO2 (%)
8	AGE	Num	8	Age at Randomization (Years)
9	FEMALE	Num	8	Female
10	BASEWEIG	Num	8	Weight (kg)
11	BASEHEIG	Num	8	Height (cm)
12	BRESPO2	Num	8	Baseline Resting room air SpO2 (%)
13	CW_B	Num	8	Walk Completed at Baseline
14	WD_B	Num	8	Walk Distance at Baseline
15	BPRBORG	Num	8	Baseline Pre-walk modified Borg Dyspnea Scale rating
16	BPSBORG	Num	8	Baseline Post-walk modified Borg Dyspnea Scale rating
17	BDLCO	Num	8	Baseline DLCO: actual (mL/min/mmHg)
18	BVA	Num	8	Baseline VA (alveolar volume) (liters)
19	BDLCOA	Num	8	Baseline Hemoglobin adjusted DLCO: (mL/min/mmHg)
20	BFEV1	Num	8	Baseline Pre-Bronchodilator: FEV1: Actual (liters)
21	BFVC	Num	8	Baseline Pre-Bronchodilator: FVC: Actual (liters)
22	BVC	Num	8	Baseline Pre-Bronchodilator: Primary VC: Actual (liters)
23	BFVCP	Num	8	Baseline FVC % Predicted
24	BDLCOPP	Num	8	Baseline DLCO% Predicted
25	BFEV1PP	Num	8	Baseline FEV1 % Predicted
26	BFEV1FVC	Num	8	Baseline FEV1/FVC Percentage
27	BFIO2T	Num	8	FiO2 at baseline
28	BPHT	Num	8	pH at Baseline
29	BARTPO2	Num	8	PaO2 at baseline
30	BARTPCO2	Num	8	PaCO2 at baseline
31	BARTSO2	Num	8	SaO2 at baseline
32	BSOBSCO	Num	8	Baseline SOBSCORE actual
33	BEQ5DVAS	Num	8	EuroQoL Visual Analog Score at baseline
34	BEUROSCO	Num	8	EuroQoL score at baseline
35	BCOUVAS	Num	8	Cough VAS at Baseline
36	BICSCORE	Num	8	ICECAP: Summary score at baseline

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
37	BSYMPSCO	Num	8	Symptoms score at baseline
38	BACTISCO	Num	8	Activity score at baseline
39	BIMPASCO	Num	8	Impacts score at baseline
40	BSTGTOTS	Num	8	St. Georges total score at baseline
41	BMI	Num	8	BMI

**Data Set Name: conmed.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISITID	Num	8	Visit ID
3	PPI	Num	8	Proton Pump Inhibitors (PPI) usage
4	H2B	Num	8	H2 Blockers (H2 Receptor Antagonists) usage
5	PRE	Num	8	Chronic Prednisone usage
6	AVGD	Num	8	Usage If current or previous, chronic/ average dose taken (mg/day):
7	AZT	Num	8	Azathioprine usage
8	NAC	Num	8	N-acetylcysteine (NAC) usage
9	COT	Num	8	Cotrimoxazole usage
10	MDI	Num	8	Albuterol/ atrovent/ other metered-dose inhaler (MDI) usage
11	PIF	Num	8	Pirfenidone usage
12	NIN	Num	8	Nintedanib usage
13	VWEEK	Num	8	Visit Week
14	PIFNIN	Num	8	Pirfenidone or Nintedanib usage

**Data Set Name: conmedfu.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	FUPPI	Num	8	Proton Pump Inhibitors (PPI) post-baseline usage
3	FUH2B	Num	8	H2 Blockers (H2 Receptor Antagonists) post-baseline usage
4	FUPRE	Num	8	Chronic Prednisone post-baseline usage
5	FUAZT	Num	8	Azathioprine post-baseline usage
6	FUNAC	Num	8	N-acetylcysteine (NAC) post-baseline usage
7	FUCOT	Num	8	Cotrimoxazole post-baseline usage
8	FUMDI	Num	8	Albuterol/ atrovent/ other metered-dose inhaler (MDI) post-baseline usage
9	FUPIF	Num	8	Pirfenidone post-baseline usage
10	FUNIN	Num	8	Nintedanib post-baseline usage
11	FUPIFNIN	Num	8	Nintedanib post-baseline usage
12	BAPIFNIN	Num	8	Pirfenidone or Nintedanib baseline usage
13	BAPPI	Num	8	Proton Pump Inhibitors (PPI) baseline usage
14	BAH2B	Num	8	H2 Blockers (H2 Receptor Antagonists) baseline usage
15	BAPRE	Num	8	Chronic prednisone (>1month) baseline usage
16	BAAZT	Num	8	Azathioprine baseline usage
17	BANAC	Num	8	N-acetylcysteine (NAC) baseline usage
18	BACOT	Num	8	Cotrimoxazole baseline usage
19	BAMDI	Num	8	Albuterol/ atrovent/ other metered-dose inhaler (MDI) baseline usage
20	BAPIF	Num	8	Pirfenidone baseline usage
21	BANIN	Num	8	Nintedanib baseline usage

**Data Set Name: demog.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	SEX	Char	1	Sex
3	SMOKEST	Num	8	Smoking Status
4	CONSDT	Num	8	Consent Date
5	VITALDT	Num	8	Vital Sign Date
6	BASEBPSY	Num	8	BP systolic (mmHg)
7	BASEBPDI	Num	8	BP diastolic (mmHg)
8	BASEHR	Num	8	Heart rate (bpm)
9	BASESPO2	Num	8	SpO2 (%)
10	FEMALE	Num	8	Female
11	BASEWEIG	Num	8	Weight (kg)
12	BASEHEIG	Num	8	Height (cm)
13	AGE	Num	8	Age at Randomization (Years)

**Data Set Name: endcat.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VWEEK	Num	8	Visit Week
3	CVAS_T1	Num	8	Cough visual analog scale 33.3 percentile
4	CVAS_T2	Num	8	Cough visual analog scale 66.7 percentile
5	CATCVAS	Num	8	Cough visual analog scale Categorization
6	ICEC_T1	Num	8	ICE-CAP 33.3 percentile
7	ICEC_T2	Num	8	ICE-CAP 66.7 percentile
8	CATICEC	Num	8	ICEcap Categorization
9	CATFVC2	Num	8	FVC Categorization (Definition 2)
10	CATSOBQ	Num	8	UCSD SOBQ Categorization
11	CATSGTS	Num	8	St. Georges Total Score Categorization
12	CATEQ5	Num	8	EuroQOL EQ-5D score Categorization
13	CATWLK	Num	8	Walk Distance Categorization



**Data Set Name: euroqol.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISITID	Num	8	Visit ID
3	EQ5DVAS	Num	8	EuroQoL Visual Analog Score
4	VWEEK	Num	8	Visit Week
5	EUROSCO	Num	8	EuroQoL score
6	BEQ5DVAS	Num	8	EuroQoL Visual Analog Score at baseline
7	BEUROSCO	Num	8	EuroQoL score at baseline
8	CEUROSCO	Num	8	EuroQoL score change from baseline
9	CEQ5DVAS	Num	8	EuroQoL Visual Analog Score change from baseline

**Data Set Name: events.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	DEATHLOC	Num	8	Death Location
3	DEADDT	Num	8	Death date
4	CAUDTH	Num	8	Cause of death
5	CAUDTHP	Num	8	Cause of death: Pulmonary
6	WKSLSFP	Num	8	Weeks till Last Follow
7	WKSFVC2	Num	8	Weeks Until FVC Drop
8	FVCD2	Num	8	>=10% FVC Drop (Definition 2)
9	SOBQ	Num	8	SOB score increase (>= 5)
10	WKSSOB	Num	8	Weeks until SOB score increase
11	WKSNEH	Num	8	Weeks until non-elective hospitalization
12	NEH	Num	8	Non-elective hospitalization
13	WKSREH	Num	8	Weeks until respiratory hospitalization
14	REH	Num	8	Respiratory hospitalization
15	DDTHDT	Num	8	Death date
16	DTH	Num	8	Death
17	WKSDTH	Num	8	Weeks till death
18	DTHCA	Num	8	Cause of death
19	TMTODTH	Num	8	Time to last follow-up/death (weeks)
20	AEX	Num	8	Acute exacerbation
21	AEXCAT	Num	8	Acute exacerbation categories
22	WKSAEX	Num	8	Weeks until acute exacerbation
23	TMTOSOB	Num	8	Time until SOB score increase or last follow-up/death (weeks)
24	TMTONEH	Num	8	Time until non-elective hospitalization or last follow-up/death (weeks)
25	TMTOREH	Num	8	Time until respiratory hospitalization or last follow-up/death (weeks)
26	TMTOAEX	Num	8	Time until acute exacerbation or last follow-up/death (weeks)
27	DPRO2	Num	8	Disease Progression (Definition 2)
28	WKSDPRO2	Num	8	Weeks Until Disease Progression(Definition 2)
29	TMTODPR2	Num	8	Time until Disease Progression (Definition 2) or last follow-up/death (weeks)
30	C21	Num	8	Composite Endpoint #1 (Definition 2)
31	TMTOC21	Num	8	Time until Composite Endpoint #1 (Weeks) (Definition 2) or last follow-up/death (weeks)
32	CE2	Num	8	Composite endpoint #2
33	WKSCE2	Num	8	Weeks until composite endpoint #2
34	TMTOCE2	Num	8	Time until composite endpoint #2 or last follow-up/death (weeks)
35	F2	Num	8	10% FVC Drop (Definition 2) or Death
36	WKSF2	Num	8	Weeks Until 10% FVC Drop (Definition 2) or Death

Num	Variable	Type	Len	Label
37	TMTOF2	Num	8	Time until 10% FVC Drop (Definition 2) or last follow-up/death (weeks)
38	DTH48	Num	8	Death at 48 weeks
39	DTH36	Num	8	Death at 36 weeks
40	DTH24	Num	8	Death at 24 weeks
41	DTH12	Num	8	Death at 12 weeks
42	SOBQ48	Num	8	SOB score increase ( $\geq 5$ ) at 48 weeks
43	SOBQ36	Num	8	SOB score increase ( $\geq 5$ ) at 36 weeks
44	SOBQ24	Num	8	SOB score increase ( $\geq 5$ ) at 24 weeks
45	SOBQ12	Num	8	SOB score increase ( $\geq 5$ ) at 12 weeks
46	NEH48	Num	8	Non-elective hospitalization at 48 weeks
47	NEH36	Num	8	Non-elective hospitalization at 36 weeks
48	NEH24	Num	8	Non-elective hospitalization at 24 weeks
49	NEH12	Num	8	Non-elective hospitalization at 12 weeks
50	REH48	Num	8	Respiratory hospitalization at 48 weeks
51	REH36	Num	8	Respiratory hospitalization at 36 weeks
52	REH24	Num	8	Respiratory hospitalization at 24 weeks
53	REH12	Num	8	Respiratory hospitalization at 12 weeks
54	AEX48	Num	8	Acute exacerbation at 48 weeks
55	AEX36	Num	8	Acute exacerbation at 36 weeks
56	AEX24	Num	8	Acute exacerbation at 24 weeks
57	AEX12	Num	8	Acute exacerbation at 12 weeks
58	DPRO248	Num	8	Disease Progression at 48 Weeks (Definition 2)
59	DPRO236	Num	8	Disease Progression at 36 Weeks (Definition 2)
60	DPRO224	Num	8	Disease Progression at 24 Weeks (Definition 2)
61	DPRO212	Num	8	Disease Progression at 12 Weeks (Definition 2)
62	CE248	Num	8	Composite endpoint #2 at 48 weeks
63	CE236	Num	8	Composite endpoint #2 at 36 weeks
64	CE224	Num	8	Composite endpoint #2 at 24 weeks
65	CE212	Num	8	Composite endpoint #2 at 12 weeks
66	F248	Num	8	10% FVC Drop (Definition 2) or Death at 48 Weeks
67	F236	Num	8	10% FVC Drop (Definition 2) or Death at 36 Weeks
68	F224	Num	8	10% FVC Drop (Definition 2) or Death at 24 Weeks
69	F212	Num	8	10% FVC Drop (Definition 2) or Death at 12 Weeks
70	C2148	Num	8	Composite Endpoint #1 at 48 Weeks (Definition 2)
71	C2136	Num	8	Composite Endpoint #1 at 36 Weeks (Definition 2)
72	C2124	Num	8	Composite Endpoint #1 at 24 Weeks (Definition 2)
73	C2112	Num	8	Composite Endpoint #1 at 12 Weeks (Definition 2)
74	TMTOD48	Num	8	Time to death at 48 weeks (weeks)
75	TMTOD36	Num	8	Time to death at 36 weeks (weeks)

Num	Variable	Type	Len	Label
76	TMTOD24	Num	8	Time to death at 24 weeks (weeks)
77	TMTOD12	Num	8	Time to death at 12 weeks (weeks)
78	TMTOS48	Num	8	Time to SOB score increase ( $\geq 5$ ) at 48 weeks (weeks)
79	TMTOS36	Num	8	Time to SOB score increase ( $\geq 5$ ) at 36 weeks (weeks)
80	TMTOS24	Num	8	Time to SOB score increase ( $\geq 5$ ) at 24 weeks (weeks)
81	TMTOS12	Num	8	Time to SOB score increase ( $\geq 5$ ) at 12 weeks (weeks)
82	TMTOH48	Num	8	Time to non-elective hospitalization at 48 weeks (weeks)
83	TMTOH36	Num	8	Time to non-elective hospitalization at 36 weeks (weeks)
84	TMTOH24	Num	8	Time to non-elective hospitalization at 24 weeks (weeks)
85	TMTOH12	Num	8	Time to non-elective hospitalization at 12 weeks (weeks)
86	TMTOR48	Num	8	Time to respiratory hospitalization at 48 weeks (weeks)
87	TMTOR36	Num	8	Time to respiratory hospitalization at 36 weeks (weeks)
88	TMTOR24	Num	8	Time to respiratory hospitalization at 24 weeks (weeks)
89	TMTOR12	Num	8	Time to respiratory hospitalization at 12 weeks (weeks)
90	TMTOAX48	Num	8	Time to acute exacerbation at 48 weeks (weeks)
91	TMTOAX36	Num	8	Time to acute exacerbation at 36 weeks (weeks)
92	TMTOAX24	Num	8	Time to acute exacerbation at 24 weeks (weeks)
93	TMTOAX12	Num	8	Time to acute exacerbation at 12 weeks (weeks)
94	TMTOD248	Num	8	Time to Disease Progression 48 Weeks (Weeks) (Definition 2)
95	TMTOD236	Num	8	Time to Disease Progression 36 Weeks (Weeks) (Definition 2)
96	TMTOD224	Num	8	Time to Disease Progression 24 Weeks (Weeks) (Definition 2)
97	TMTOD212	Num	8	Time to Disease Progression 12 Weeks (Weeks) (Definition 2)
98	TMTOC248	Num	8	Time to composite endpoint #2 at 48 weeks (weeks)
99	TMTOC236	Num	8	Time to composite endpoint #2 at 36 weeks (weeks)
100	TMTOC224	Num	8	Time to composite endpoint #2 at 24 weeks (weeks)
101	TMTOC212	Num	8	Time to composite endpoint #2 at 12 weeks (weeks)
102	TMTOF248	Num	8	Time to 10% FVC Drop (Definition 2) or Death 48 Weeks (Weeks)
103	TMTOF236	Num	8	Time to 10% FVC Drop (Definition 2) or Death at 36 Weeks (Weeks)
104	TMTOF224	Num	8	Time to 10% FVC Drop (Definition 2) or Death at 24 Weeks (Weeks)
105	TMTOF212	Num	8	Time to 10% FVC Drop (Definition 2) or Death at 12 Weeks (Weeks)
106	TMTO2148	Num	8	Time to Composite Endpoint #1 48 Weeks (Weeks) (Definition 2)
107	TMTO2136	Num	8	Time to Composite Endpoint #1 36 Weeks (Weeks) (Definition 2)
108	TMTO2124	Num	8	Time to Composite Endpoint #1 24 Weeks (Weeks) (Definition 2)
109	TMTO2112	Num	8	Time to Composite Endpoint #1 12 Weeks (Weeks) (Definition 2)

**Data Set Name: gerdem.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISITID	Num	8	Visit ID
3	FSHRTBR	Num	8	Frequency scale for the symptoms of GERD: Do you get heartburn?
4	FSBLOAT	Num	8	Frequency scale for the symptoms of GERD: Does your stomach get bloated?
5	FSHEAVY	Num	8	Frequency scale for the symptoms of GERD: Does your stomach ever feel heavy after meals?
6	FSRUB	Num	8	Frequency scale for the symptoms of GERD: Do you sometimes subconsciously rub your chest with your hand?
7	FSSICK	Num	8	Frequency scale for the symptoms of GERD: Do you feel sick after meals?
8	FSHRTAF	Num	8	Frequency scale for the symptoms of GERD: Do you get heartburn after meals?
9	FSTHROA	Num	8	Frequency scale for the symptoms of GERD: Do you have an unusual (e.g. burning) sensation in your throat?
10	FSFULL	Num	8	Frequency scale for the symptoms of GERD: Do you feel full while eating meals?
11	FSSTUCK	Num	8	Frequency scale for the symptoms of GERD: Do some things get stuck when you swallow?
12	FSACID	Num	8	Frequency scale for the symptoms of GERD: Do you get bitter liquid (acid) coming up into your throat?
13	FSBURP	Num	8	Frequency scale for the symptoms of GERD: Do you burp a lot?
14	FSHRTBN	Num	8	Frequency scale for the symptoms of GERD: Do you get heartburn if you bend over?
15	GSHRTBR	Num	8	GERD symptoms: How bad is your heartburn?
16	GSLYING	Num	8	GERD symptoms: Heartburn when lying down?
17	GSSTAND	Num	8	GERD symptoms: Heartburn when standing up?
18	GSHRTAF	Num	8	GERD symptoms: Heartburn after meals?
19	GSDIET	Num	8	GERD symptoms: Does heartburn change your diet?
20	GSSLEEP	Num	8	GERD symptoms: Does heartburn wake you from sleep?
21	GSDIFFS	Num	8	GERD symptoms: Do you have difficulty swallowing?
22	GSPAINS	Num	8	GERD symptoms: Do you have pain with swallowing?
23	GSBLOAT	Num	8	GERD symptoms: Do you have bloating or gassy feelings?
24	GSMEDS	Num	8	GERD symptoms: If you take medication, does this affect your daily life?
25	VWEEK	Num	8	Visit week
26	VWEEKGE	Num	8	Visit week, GERD measures
27	PHMPROB	Num	8	PH: Was probe located 5cm above LES
28	PHMTOTA	Num	8	PH: Total time PH <4 (%)
29	PHMUPRH	Num	8	PH: Upright time PH <4 (%)
30	PHMSUPI	Num	8	PH: Supine time PH <4 (%)
31	PHMRFLS	Num	8	PH: Number of reflux episodes
32	PHMRFL	Num	8	PH: Number of reflux episodes >5min
33	PHMTMRF	Num	8	PH: Longest reflux episode (mins)
34	PHMSCOR	Num	8	PH: Overall DeMeester score
35	MRLESLN	Num	8	Manometry results: Lower esophageal sphincter (LES) data LES length (cm)

Num	Variable	Type	Len	Label
36	MRLESRT	Num	8	Manometry results: LES resting pressure (mmHg)
37	MRLESRD	Num	8	Manometry results: LES residual pressure (mmHg)
38	MRUESRT	Num	8	Manometry results: Upper esophageal sphincter (UES) data UES resting pressure (mmHg)
39	MRUESRL	Num	8	Manometry results: UES relaxation (%)
40	MRPERICN	Num	8	Manometry results: Esophageal body motility pattern % peristaltic contractions (%)
41	MRHYPOC	Num	8	Manometry results: % hypotensive or dropped contractions (%)
42	MRSIMUC	Num	8	Manometry results: % simultaneous contractions (%)
43	MRESOAM	Num	8	Manometry results: Mean amplitude: distal esophageal amplitude (mmHg)
44	MREBMP	Num	8	Manometry results: Esophageal body motility pattern (select only one)
45	BFSHRTBR	Num	8	Frequency scale for the Symptoms of GERD: Do you get heartburn? At Baseline
46	BFSBLOAT	Num	8	Frequency scale for the Symptoms of GERD: Does your stomach get bloated? At Baseline
47	BFSHEAVY	Num	8	Frequency scale for the Symptoms of GERD: Does your stomach ever feel heavy after meals? at baseline
48	BFSRUB	Num	8	Frequency scale for the symptoms of GERD: Do you sometimes subconsciously rub your chest with your hand? at baseline
49	BFSSICK	Num	8	Frequency scale for the symptoms of GERD: Do you feel sick after meals? at baseline
50	BFSHRTAF	Num	8	Frequency scale for the symptoms of GERD: Do you get heartburn after meals? at baseline
51	BFSTHROA	Num	8	Frequency scale for the symptoms of GERD: Do you have an unusual (e.g. burning) sensation in your throat? at baseline
52	BFSFULL	Num	8	Frequency scale for the symptoms of GERD: Do you feel full while eating meals? at baseline
53	BFSSTUCK	Num	8	Frequency scale for the symptoms of GERD: Do some things get stuck when you swallow? at baseline
54	BFSACID	Num	8	Frequency scale for the symptoms of GERD: Do you get bitter liquid (acid) coming up into your throat? at baseline
55	BFSBURP	Num	8	Frequency scale for the symptoms of GERD: Do you burp a lot? at baseline
56	BFSHRTBN	Num	8	Frequency scale for the symptoms of GERD: Do you get heartburn if you bend over? at baseline
57	BGSHRTBR	Num	8	GERD symptoms: How bad is your heartburn? at baseline
58	BGSLYING	Num	8	GERD symptoms: Heartburn when lying down? at baseline
59	BGSSTAND	Num	8	GERD symptoms: Heartburn when standing up? at baseline
60	BGSHRTAF	Num	8	GERD symptoms: Heartburn after meals? at baseline
61	BGSDIET	Num	8	GERD symptoms: Does heartburn change your diet? at baseline
62	BGSSLEEP	Num	8	GERD symptoms: Does heartburn wake you from sleep? at baseline
63	BGSDIFFS	Num	8	GERD symptoms: Do you have difficulty swallowing? at baseline
64	BGSPAINS	Num	8	GERD symptoms: Do you have pain with swallowing? at baseline
65	BGSBLOAT	Num	8	GERD symptoms: Do you have bloating or gassy feelings? at baseline
66	BGSMEDS	Num	8	GERD symptoms: If you take medication, does this affect your daily life? at baseline
67	BPHMPROB	Num	8	PH: Was probe located 5cm above LES at baseline
68	BPHMTOTA	Num	8	PH: Total time PH <4 (%) at baseline
69	BPHMUPRH	Num	8	PH: Upright time PH <4 (%) at baseline
70	BPHMSUPI	Num	8	PH: Supine time PH <4 (%) at baseline
71	BPHMRFLS	Num	8	PH: Number of reflux episodes at baseline

Num	Variable	Type	Len	Label
72	BPHMRFL	Num	8	PH: Number of reflux episodes >5min at baseline
73	BPHMTMRF	Num	8	PH: Longest reflux episode (mins) at baseline
74	BPHMSCOR	Num	8	PH: Overall DeMeester score at baseline
75	BMRLESLN	Num	8	Manometry results: Lower esophageal sphincter (LES) data LES length (cm) at baseline
76	BMRLESRT	Num	8	Manometry results: LES resting pressure (mmHg) at baseline
77	BMRLESRD	Num	8	Manometry results: LES residual pressure (mmHg) at baseline
78	BMRUESRT	Num	8	Manometry results: Upper esophageal sphincter (UES) data UES resting pressure (mmHg) at baseline
79	BMRUESRL	Num	8	Manometry results: UES relaxation (%) at baseline
80	BMRPERICN	Num	8	Manometry results: Esophageal body motility pattern % peristaltic contractions (%) at baseline
81	BMRHYPOC	Num	8	Manometry results: % hypotensive or dropped contractions (%) at baseline
82	BMRSIMUC	Num	8	Manometry results: % simultaneous contractions (%) at baseline
83	BMRESOAM	Num	8	Manometry results: Mean amplitude: distal esophageal amplitude (mmHg) at baseline
84	BMREBMP	Num	8	Manometry results: Esophageal body motility pattern at baseline
85	CPHMSCOR	Num	8	PH: Overall DeMeester score change from baseline
86	CPHMTOTA	Num	8	PH: Total time PH <4 (%) change from baseline
87	CPHMUPRH	Num	8	PH: Upright time PH <4 (%) change from baseline
88	CPHMSUPI	Num	8	PH: Supine time PH <4 (%) change from baseline
89	CPHMRFLS	Num	8	PH: Number of reflux episodes change from baseline
90	CPHMRFL	Num	8	PH: Number of reflux episodes >5min change from baseline
91	CPHMTMRF	Num	8	PH: Longest reflux episode (mins) change from baseline
92	CMRLESLN	Num	8	Manometry results: Lower esophageal sphincter (LES) data LES length (cm) change from baseline
93	CMRLESRT	Num	8	Manometry results: LES resting pressure (mmHg) change from baseline
94	CMRLESRD	Num	8	Manometry results: LES residual pressure (mmHg) change from baseline
95	CMRUESRT	Num	8	Manometry results: Upper esophageal sphincter (UES) data UES resting pressure (mmHg) change from baseline
96	CMRUESRL	Num	8	Manometry results: UES relaxation (%) change from baseline
97	CMRPERICN	Num	8	Manometry results: Esophageal body motility pattern % peristaltic contractions (%) change from baseline
98	CMRHYPOC	Num	8	Manometry results: % hypotensive or dropped contractions (%) change from baseline
99	CMRSIMUC	Num	8	Manometry results: % simultaneous contractions (%) change from baseline
100	CMRESOAM	Num	8	Manometry results: Mean amplitude: distal esophageal amplitude (mmHg) change from baseline

**Data Set Name: *hce.sas7bdat***

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	HCENUM	Num	8	HCE number
3	HCEAT	Num	8	Admission type
4	HCEDD	Num	8	Discharge destination
5	HCEADT	Num	8	Admission date
6	DAYSHCE	Num	8	Days since randomization
7	WKSHCE	Num	8	Weeks since randomization
8	HCEDDT	Num	8	Discharge date
9	HCERR	Num	8	Respiratory-related



**Data Set Name: *homespir.sas7bdat***

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	HSPIRODT	Num	8	Home Spirometry Assessment date
3	HFVC	Num	8	Home Spirometry FVC
4	HFEV1	Num	8	Home Spirometry FEV1
5	HPEF	Num	8	Home Spirometry PEF
6	HORD	Num	8	Home Spirometry Assessment Order
7	HWKSSPIR	Num	8	Weeks to Home Spirometry Assessment

**Data Set Name: icscore.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISITID	Num	8	Visit ID
3	COUVAS	Num	8	Cough VAS
4	VWEEK	Num	8	Visit Week
5	ICSCORE	Num	8	ICECAP: Summary score
6	BCOUVAS	Num	8	Cough VAS at Baseline
7	BICSCORE	Num	8	ICECAP: Summary score at baseline
8	CICSCORE	Num	8	ICECAP: Summary score change from baseline
9	CCOUVAS	Num	8	Cough VAS Change from Baseline

*Data Set Name: medhist.sas7bdat*

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	MHCAD	Num	8	Coronary artery disease
3	MHACUTEM	Num	8	Acute MI
4	MHVALVHD	Num	8	Valvular heart disease
5	MHHF	Num	8	Heart failure
6	MHAFIB	Num	8	Atrial fibrillation
7	MHDIABET	Num	8	Diabetes
8	MHPULMH	Num	8	Pulmonary hypertension
9	MHCOPD	Num	8	Chronic obstructive pulmonary disease (COPD)
10	MHASTHM	Num	8	Asthma
11	MHPSEMBL	Num	8	Pulmonary embolism
12	MHLUNGC	Num	8	Lung cancer
13	MHOTHCA	Num	8	Other cancer
14	MHGERD	Num	8	Gastroesophageal reflux (GER)
15	MHBRTESO	Num	8	Barrett's esophagus
16	MHHIATAL	Num	8	Hiatal hernia
17	MHHOSPP	Num	8	Hospitalization for pneumonia / respiratory cause in last 6 months

**Data Set Name: pop.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	PATENDT	Num	8	Enrollment Date
3	IVRSRAND	Num	8	Randomization
4	EXCLUDED	Num	8	Patients Excluded from ITT
5	ANALPOP	Num	8	ITT Analysis Population
6	BASEPOP	Num	8	BASE POP
7	SAFEPOP	Num	8	Safety Analysis Population
8	EFFPOP	Num	8	Efficacy Analysis Population
9	COMPL	Num	8	Completed the trial
10	WKSLSVT	Num	8	Weeks till last visit
11	DROPOUT	Num	8	Dropout
12	DROPDT	Num	8	Dropout date
13	WKSDROP	Num	8	Weeks till dropout
14	TMTODROP	Num	8	Time to dropout or last follow-up/death/48 week cutoff (weeks)
15	FUP	Num	8	Patient has some follow-up data

**Data Set Name: *riend.sas7bdat***

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	WKSPREG	Num	8	Weeks to Spirometry Assessment for the Longitudinal Analysis
3	WKSSPIR	Num	8	Weeks to Spirometry Assessment
4	BFVCA	Num	8	Baseline Pre-Bronchodilator: FVC: Actual (liters)
5	BFVCPA	Num	8	Baseline FVC % Predicted
6	FVCA	Num	8	Primary analysis pre-Bronchodilator: FVC: actual (liters)
7	FVCPA	Num	8	Primary analysis FVC % Predicted
8	CFVCA	Num	8	Primary analysis change from baseline pre-Bronchodilator: FVC: actual (liters)
9	CFVCPA	Num	8	Primary analysis change from baseline FVC % Predicted
10	BAPIF	Num	8	Pirfenidone baseline usage
11	BANIN	Num	8	Nintedanib baseline usage

**Data Set Name: *primed.sas7bdat***

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	BPPI	Num	8	Baseline Proton Pump Inhibitors (PPI) usage
3	BH2B	Num	8	Baseline H2 Blockers (H2 Receptor Antagonists) usage
4	BPRE	Num	8	Baseline Chronic prednisone (>1month)
5	BAVGD	Num	8	Baseline Usage If current or previous, chronic/average dose taken (mg/day):
6	BAZT	Num	8	Baseline Azathioprine Usage
7	BNAC	Num	8	Baseline N-acetylcysteine (NAC) usage
8	BCOT	Num	8	Baseline Cotrimoxazole usage
9	BMDI	Num	8	Baseline Albuterol/ atrovent/ other metered-dose inhaler (MDI) usage
10	BPIF	Num	8	Baseline Pirfenidone usage
11	BNIN	Num	8	Baseline Nintedanib usage
12	BPIFNIN	Num	8	Baseline Pirfenidone or Nintedanib usage

**Data Set Name: sixminwk.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	RESPO2	Num	8	Resting room air SpO2 (%)
3	WLKST	Num	8	Walk Started
4	SUPOXY	Num	8	Supplemental O2 used during walk
5	SUP_O2	Num	8	Supplemental O2 (liters/mm)
6	SUP_SPO2	Num	8	Supplemental SpO2 (%)
7	AID	Num	8	Walk Aid
8	AIDTYPE	Num	8	Aid type
9	COMPWALK	Num	8	Walk Completed
10	STOPREAS	Num	8	Stop Reason
11	WALKDIST	Num	8	Walk Distance (Meters)
12	DESAT	Num	8	Patient Desaturated (SpO2 < 88%)
13	DESATM	Num	8	Walk Distance at Desaturated Minutes
14	DESATS	Num	8	Walk Distance at Desaturated Seconds
15	DESATD	Num	8	Walk Distance at Desaturated
16	LSPO2	Num	8	Lowest SpO2
17	VWEEK	Num	8	Visit Week
18	SIXMWDT	Num	8	Six Minute Walk Assessment date
19	WKSWPIR	Num	8	Weeks to Six Minute Walk Assessment
20	VWEEKA	Num	8	Visit Week (Analysis)
21	WKSWREG	Num	8	Weeks to Six Minute Walk Assessment for the Longitudinal Analysis
22	PRBORG	Num	8	Pre-walk modified Borg Dyspnea Scale rating
23	PSBORG	Num	8	Post-walk modified Borg Dyspnea Scale rating
24	WLKM	Num	8	Walk Minutes
25	WLKS	Num	8	Walk Seconds
26	WD6MDS	Num	8	Walk Distance at 6 minutes and time of Desaturation
27	MINWALK	Num	8	Minutes Walked
28	BRESPO2	Num	8	Baseline Resting room air SpO2 (%)
29	CW_B	Num	8	Walk Completed at Baseline
30	WD_B	Num	8	Walk Distance at Baseline
31	BPRBORG	Num	8	Baseline Pre-walk modified Borg Dyspnea Scale rating
32	BPSBORG	Num	8	Baseline Post-walk modified Borg Dyspnea Scale rating
33	BWD6MDS	Num	8	Walk Distance at 6 minutes and time of Desaturation at Baseline
34	BMINWALK	Num	8	Minutes Walked at Baseline
35	CWALKDIS	Num	8	Walk Distance Change from baseline
36	WALKDIMP	Num	8	Walk Distance Improvement (%)

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
37	CPRBORG	Num	8	Change from Baseline Pre-walk modified Borg Dyspnea Scale rating
38	CPSBORG	Num	8	Change from Baseline Post-walk modified Borg Dyspnea Scale rating
39	CRESPO2	Num	8	Change from Baseline Resting room air SpO2 (%)
40	CWD6MDS	Num	8	Walk Distance at 6 minutes and time of Desaturation Change from Baseline
41	CMINWALK	Num	8	Minutes Walked Change from Baseline
42	DSAT	Num	8	Patient Desaturated
43	RSPO2	Num	8	Resting room air SpO2 (%)
44	TMTODSAT	Num	8	Time to Patient Desaturated (Minutes)



**Data Set Name: spiromet.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISITID	Num	8	Visit ID
3	FEV1PRIM	Num	8	Pre-Bronchodilator: Primary FEV1: Actual (liters)
4	FVCPRIM	Num	8	Pre-Bronchodilator: Primary FVC: Actual (liters)
5	VCPRIM	Num	8	Pre-Bronchodilator: Primary VC: Actual (liters)
6	FEV1REP1	Num	8	Pre-Bronchodilator: Replicate 1 FEV1: Actual (liters)
7	FVCREP1	Num	8	Pre-Bronchodilator: Replicate 1 FVC: Actual (liters)
8	VCREP1	Num	8	Pre-Bronchodilator: Replicate 1 VC: Actual (liters)
9	FEV1REP2	Num	8	Pre-Bronchodilator: Replicate 2 FEV1: Actual (liters)
10	FVCREP2	Num	8	Pre-Bronchodilator: Replicate 2 FVC: Actual (liters)
11	VCREP2	Num	8	Pre-Bronchodilator: Replicate 2 VC: Actual (liters)
12	DLCO	Num	8	DLCO: actual (mL/min/mmHg)
13	VA	Num	8	VA (alveolar volume) (liters)
14	HEMO	Num	8	Hemoglobin: (g/dL)
15	DLCOA	Num	8	Hemoglobin adjusted DLCO: (mL/min/mmHg)
16	VWEEK	Num	8	Visit Week
17	SPIROMDT	Num	8	Spirometry Assessment date
18	WKSSPIR	Num	8	Weeks to Spirometry Assessment
19	VWEEKA	Num	8	Visit Week (Analysis)
20	WKSPREG	Num	8	Weeks to Spirometry Assessment for the Longitudinal Analysis
21	FEV1	Num	8	Pre-Bronchodilator: FEV1: Actual (liters)
22	FVC	Num	8	Pre-Bronchodilator: FVC: Actual (liters)
23	VC	Num	8	Pre-Bronchodilator: VC: Actual (liters)
24	BDLCO	Num	8	Baseline DLCO: actual (mL/min/mmHg)
25	BVA	Num	8	Baseline VA (alveolar volume) (liters)
26	BDLCOA	Num	8	Baseline Hemoglobin adjusted DLCO: (mL/min/mmHg)
27	BFEV1	Num	8	Baseline Pre-Bronchodilator: FEV1: Actual (liters)
28	BFVC	Num	8	Baseline Pre-Bronchodilator: FVC: Actual (liters)
29	BVC	Num	8	Baseline Pre-Bronchodilator: Primary VC: Actual (liters)
30	CFEV1	Num	8	Change from Baseline Pre-Bronchodilator: FEV1: Actual (liters)
31	CFVC	Num	8	Change from Baseline Pre-Bronchodilator: FVC: Actual (liters)
32	CVC	Num	8	Change from Baseline Pre-Bronchodilator: Primary VC: Actual (liters)
33	CDLCO	Num	8	Change from Baseline DLCO: actual (mL/min/mmHg)
34	CVA	Num	8	Change from Baseline VA (alveolar volume) (liters)
35	CDLCOA	Num	8	Change from Baseline Hemoglobin adjusted DLCO: (mL/min/mmHg)
36	BFEV1PER	Num	8	Baseline FEV1 % Actual

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
37	BFVCP	Num	8	Baseline FVC Predicted
38	BFVCPP	Num	8	Baseline FVC % Predicted
39	BFEV1P	Num	8	Baseline FEV1 Predicted
40	BDLCOP	Num	8	Baseline DLCO Predicted
41	BDLCOPP	Num	8	Baseline DLCO% Predicted
42	DLCOPP	Num	8	DLCO % Predicted
43	CDLCOPP	Num	8	DLCO % Predicted Change from Baseline
44	BFEV1PP	Num	8	Baseline FEV1 % Predicted
45	BFEV1FVC	Num	8	Baseline FEV1/FVC Percentage
46	FEV1PP	Num	8	FEV1 % Predicted
47	CFEV1PP	Num	8	Change from Baseline FEV1 % Predicted
48	FVCPP	Num	8	FVC % Predicted
49	CFVCPP	Num	8	Change from Baseline FVC % Predicted
50	FVCDP2	Num	8	Percent FVC Drop (Definition 2)
51	FVCDP210	Num	8	10% FVC Drop (Definition 2)

**Data Set Name: stgeorge.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VWEEK	Num	8	Visit week
3	SYMPSCOR	Num	8	Symptoms score
4	ACTISCOR	Num	8	Activity score
5	IMPASCOR	Num	8	Impacts score
6	STGTOTSC	Num	8	St. Georges total score
7	BSYMPSCO	Num	8	Symptoms score at baseline
8	BACTISCO	Num	8	Activity score at baseline
9	BIMPASCO	Num	8	Impacts score at baseline
10	BSTGTOTS	Num	8	St. Georges total score at baseline
11	CSYMPSCO	Num	8	Symptoms score change from baseline
12	CACTISCO	Num	8	Activity score change from baseline
13	CIMPASCO	Num	8	Impacts score change from baseline
14	CSTGTOTS	Num	8	St. Georges total score change from baseline

**Data Set Name: stvisit.sas7bdat**

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	VISITID	Num	8	Visit ID
3	STVISDT	Num	8	Date of visit
4	STDCOMP	Num	8	Did subject complete the visit?
5	STDCONT	Num	8	If no, will subject continue in the study?
6	DTHDOV	Num	8	If no, was it due to death of subject?
7	STDSUCR	Num	8	Did subject cross over to surgery?
8	VWEEK	Num	8	Visit Week
9	WKSVIS	Num	8	Weeks to Visit
10	WKVSREG	Num	8	Weeks to Visit for the Longitudinal Analysis
11	STDSUCRDT	Num	8	If yes, date of surgery?

*Data Set Name: surg.sas7bdat*

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	SURGCR	Num	8	Did subject cross over to surgery?
3	SGYN	Num	8	Did subject receive the surgical intervention?
4	SGDT	Num	8	Date of surgery
5	SGBRONC	Num	8	Was bronchoscopy performed on subject?
6	SGBALF	Num	8	Was bronchial alveolar lavage (BAL) fluid collected?
7	SGBALNS	Num	8	Volume of BAL instilled (ml)
8	SGBALCO	Num	8	Volume of BAL collected (ml)
9	SGAEC	Num	8	Were airway epithelial cells (AEC) collected?
10	SGAECBR	Num	8	Number of brushes sent
11	SGPREVS	Num	8	Any previous abdominal surgery affecting the operative field?
12	SGENDOSC	Num	8	Pre-operative testing performed Endoscopy
13	SGBARIUM	Num	8	Barium swallow
14	SGEKG	Num	8	Echocardiogram
15	SGRSVP	Num	8	RVSP (mmHg)
16	SGRGHTH	Num	8	Right heart catheterization
17	SGGASTR	Num	8	Gastric emptying study
18	SGCHST	Num	8	Chest x-ray
19	SGOPTM	Num	8	Operative time (mins)
20	SGBLDL	Num	8	Estimated blood loss (cc)
21	SGINTRC	Num	8	Intraoperative complications?
22	SGOPNPR	Num	8	Conversion to open procedure?
23	SGMESH	Num	8	Was mesh used during procedure?
24	SGBOUGIE	Num	8	Size of bougie used in procedure
25	SGNISSEN	Num	8	Length of Nissen (cm)
26	SGNSSENU	Char	1	Length of Nissen - Unknown
27	SGHIHERN	Num	8	Hiatus hernia present
28	SGHRNIAS	Num	8	Size of hernia
29	SGVGUSNE	Num	8	Identification and preservation of vagus nerves?
30	SGLENGTH	Num	8	Esophageal lengthening procedure added?
31	SGPTOPD	Num	8	Length of stay post-operatively (days)
32	SGICUD	Num	8	Days spent in ICU
33	SGREHOSP	Num	8	Was patient readmitted to the hospital within 30 days?
34	SGREINT	Num	8	Did patient require re-intubation?
35	SGVENTD	Num	8	Days on ventilator
36	SGREOPBL	Num	8	Was re-operation for bleeding required?

Num	Variable	Type	Len	Label
37	SGPTOPC	Num	8	Did patient suffer other post-operative complications (within 30 days of surgery)?
38	SGWKS	Num	8	Weeks to Surgery
39	SGCIRRH	Num	8	Other abnormal intraoperative findings: Cirrhosis
40	SGHSPN	Num	8	Other abnormal intraoperative findings: Hypersplenism
41	SGHPTMGL	Num	8	Other abnormal intraoperative findings: Hepatomegaly
42	SGPHTN	Num	8	Other abnormal intraoperative findings: Evidence of portal hypertension
43	SGINABDA	Num	8	Other abnormal intraoperative findings: Presence of intra-abdominal adhesions
44	SGVARANA	Num	8	Other abnormal intraoperative findings: Variant anatomy
45	SGABNOTH	Num	8	Other abnormal intraoperative findings: Other
46	SGSLCTC	Num	8	If yes, select complications (Select all that apply)
47	SGPTOPOC	Num	8	What other post-operative complications

*Data Set Name: treat.sas7bdat*

Num	Variable	Type	Len	Label
1	SUBNUM	Char	20	
2	TREAT	Num	8	Treatment Assignment
3	TRT	Num	8	Treatment
4	TRTREG	Num	8	Treatment for Regression Model

**Data Set Name: ucsdsobq.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	SUBNUM	Char	20	
2	VISITID	Num	8	Visit ID
3	VWEEK	Num	8	Visit Week
4	SOBSCO	Num	8	UCSD shortness of breath score
5	BSOBSCO	Num	8	Baseline SOBSCORE actual
6	CSOBSCO	Num	8	SOBSCORE change from baseline
7	SOBSCON	Num	8	SOBSCORE increase (>=5)