

**Data Set Name: albumin.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	ALBUMIN	Num	8	BEST12.	BEST32.	Albumin
4	UNITALBUMIN	Num	8	BEST12.	BEST32.	AlbuminUnit
5	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
6	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: *alkphos.sas7bdat***

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Informat</b>	<b>Label</b>
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	ALKPHOS	Num	8	BEST12.	BEST32.	AlkPhos
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	UNITALKPHOS	Num	8	BEST12.	BEST32.	ukat/L or U/L
6	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: alt.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	ALT	Num	8	BEST12.	BEST32.	ALT (U/L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: *aptt.sas7bdat***

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	APTT	Num	8	BEST12.	BEST32.	APTT (seconds)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: ast.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	AST	Num	8	BEST12.	BEST32.	AST (U/L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: autoantibodies.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
4	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
5	GAD65	Num	8	BEST12.	BEST32.	Anti-GAD65 (DK units/ml)
6	MIAA	Num	8	BEST12.	BEST32.	Anti-Insulin (DK units/ml)
7	ICA512	Num	8	BEST12.	BEST32.	Anti-ICA512 (DK units/ml)
8	POSIAA	Num	8	BEST12.	BEST32.	Positive Anti-Insulin
9	POSGAD65	Num	8	BEST12.	BEST32.	Positive Anti-GAD65
10	POSICA512	Num	8	BEST12.	BEST32.	Positive Anti-ICA512

**Data Set Name: basophils.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	BASOPHILS	Num	8	BEST12.	BEST32.	Basophils (*10 <sup>9</sup> /L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: beta\_score.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
4	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
5	GLUCSCORE	Num	8	BEST12.	BEST32.	Fasting Glucose (mg/dL) Score
6	HBA1CSCORE	Num	8	BEST12.	BEST32.	HbA1c (%) Score
7	INSULINSCORE	Num	8	BEST12.	BEST32.	Insulin (unit/kg/day) Score
8	CPEPSCORE	Num	8	BEST12.	BEST32.	Stimulated Cpeptide at 90 minutes (ng/mL) Score
9	BETA_SCORE	Num	8	BEST12.	BEST32.	Beta Score: Sum of glucscore, hba1c score, insulinscore, and cpepscore



**Data Set Name: bilirubin.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Informat</b>	<b>Label</b>
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
4	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
5	BILIRUBIN	Num	8	BEST12.	BEST32.	Bilirubin
6	UNITBILIRUBIN	Num	8	BEST12.	BEST32.	Bilirubin Unit

**Data Set Name: bloodsugar.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	BLDSUGARRDG	Num	8	BEST12.	BEST32.	Blood sugar reading measured in mg/dL
4	BLDSUGARTIMEHOUR	Num	8	BEST12.	BEST32.	Hour of blood sugar reading using 24 hour clock (0 to 23 hours)
5	BLDSUGARTIMEMIN	Num	8	BEST12.	BEST32.	Minute of blood sugar reading within hour (0 to 59 minutes)
6	MEALCODE	Num	8	BEST12.	BEST32.	Meal time indicator if applicable
7	HYPOBEHA	Num	8	BEST12.	BEST32.	Autonomic hypoglycemia symptoms
8	HYPOCONF	Num	8	BEST12.	BEST32.	Confusion hypoglycemia symptoms
9	HYPOOTHER	Num	8	BEST12.	BEST32.	Other neurologic hypoglycemia symptoms
10	HYPOSEIZ	Num	8	BEST12.	BEST32.	Hypoglycemia seizures
11	HYPOVISU	Num	8	BEST12.	BEST32.	Visual hypoglycemia symptoms
12	REACTION	Num	8	BEST12.	BEST32.	Reaction was recognized by (for blood sugar readings < 54 mg/dL)
13	TRTHELP	Num	8	BEST12.	BEST32.	Treatment for reaction needed help from someone else (for blood sugar readings < 54 mg/dL)
14	TRTHOSP	Num	8	BEST12.	BEST32.	Treatment for reaction needed hospital/ambulance (for blood sugar readings < 54 mg/dL)
15	DAYSINITIAL	Num	8	BEST12.	BEST32.	Number of days reading occurred relative to initial transplant
16	DAYSFINAL	Num	8	BEST12.	BEST32.	Number of days reading occurred relative to final transplant
17	FLAG08	Num	8	BEST12.	BEST32.	Indicator that blood sugar reading part of CIT-08 protocol
18	EVENT	Num	8	BEST12.	BEST32.	Severe hypoglycemic event: blood sugar < 54 mg/dL, at least one of the following hypoglycemia symptoms were present (visual, behavioral, other neurologic, confusion, or seizures) and treatment for the reaction required help from someone else or hospital/am

**Data Set Name: *bloodtype\_hla.sas7bdat***

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	BLTYPE	Num	8	BEST12.	BEST32.	Blood Type
6	HLA_A	Num	8	BEST12.	BEST32.	HLA A
7	HLA_A1	Num	8	BEST12.	BEST32.	HLA-A (1st allele)
8	HLA_A2	Num	8	BEST12.	BEST32.	HLA-A (2nd allele)
9	HLA_B	Num	8	BEST12.	BEST32.	HLA B
10	HLA_B1	Num	8	BEST12.	BEST32.	HLA-B (1st allele)
11	HLA_B2	Num	8	BEST12.	BEST32.	HLA-B (2nd allele)
12	HLA_DR	Num	8	BEST12.	BEST32.	HLA-DR
13	HLA_DR1	Num	8	BEST12.	BEST32.	HLA-DR (1st allele)
14	HLA_DR2	Num	8	BEST12.	BEST32.	HLA-DR (2nd allele)

**Data Set Name: cgms.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
6	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
7	AVGSENSORVALUE	Num	8	BEST12.	BEST32.	Glucose (mg/dL)
8	TOTALDUR	Num	8	BEST12.	BEST32.	Total Duration
9	STDEV	Num	8	BEST12.	BEST32.	Average Standard Deviation of Glucose
10	TOTALDURBELOW	Num	8	BEST12.	BEST32.	Glucose Duration < 54 mg/dL
11	PCTTOTALDURBELOW	Num	8	BEST12.	BEST32.	Glucose Duration < 54 mg/dL (% of time)
12	TOTALDURWITH	Num	8	BEST12.	BEST32.	Glucose Duration between 54 and 180 mg/dL
13	PCTTOTALDURWITH	Num	8	BEST12.	BEST32.	Glucose Duration between 54 and 180 mg/dL (% of time)
14	TOTALDURABOVE	Num	8	BEST12.	BEST32.	Glucose Duration > 180 mg/dL
15	PCTTOTALDURABOVE	Num	8	BEST12.	BEST32.	Glucose Duration > 180 mg/dL (% of time)
16	NUMEXCURSIONS	Num	8	BEST12.	BEST32.	Glucose Number of Episodes
17	NUMEXCURSIONSRATE	Num	8	BEST12.	BEST32.	Glucose Number of Episodes per 24 hours
18	NUMLOWEXCURSIONS	Num	8	BEST12.	BEST32.	Glucose Number of Episodes < 54 mg/dL
19	NUMLOWEXCURSIONSRATE	Num	8	BEST12.	BEST32.	Glucose Number of Episodes < 54 mg/dL per 24 hours
20	NUMHIGHEXCURSIONS	Num	8	BEST12.	BEST32.	Glucose Number of Episodes > 180 mg/dL
21	NUMHIGHEXCURSIONSRATE	Num	8	BEST12.	BEST32.	Glucose Number of Episodes > 180 mg/dL per 24 hours

**Data Set Name: clarke.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Informat</b>
1	ACCESSION	Char	9	\$9.	\$9.
2	STUDYID	Num	8	BEST12.	BEST32.
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.
4	FLAG08	Char	1	\$1.	\$1.
5	PSTINTVST	Num	8	BEST12.	BEST32.
6	PSTFINVST	Num	8	BEST12.	BEST32.
7	CATEGORY	Num	8	BEST12.	BEST32.
8	CATEGORY2	Num	8	BEST12.	BEST32.
9	SYMPTOMS	Num	8	BEST12.	BEST32.
10	SYMPTOMS2	Num	8	BEST12.	BEST32.
11	HYPOCONFUSED	Num	8	BEST12.	BEST32.
12	HYPOCONFUSED2	Num	8	BEST12.	BEST32.
13	HYPOUNCONSCIOUS	Num	8	BEST12.	BEST32.
14	HYPOUNCONSCIOUS2	Num	8	BEST12.	BEST32.
15	READINGSYMPTOMS	Num	8	BEST12.	BEST32.
16	READINGWITHOUTSYMPTOMS	Num	8	BEST12.	BEST32.
17	READINGWITHOUTSYMPTOMS2	Num	8	BEST12.	BEST32.
18	LOWBLOODSUGAR	Num	8	BEST12.	BEST32.
19	LOWBLOODSUGAR2	Num	8	BEST12.	BEST32.
20	EXTENTLOWBLOODSUGAR	Num	8	BEST12.	BEST32.
21	EXTENTLOWBLOODSUGAR2	Num	8	BEST12.	BEST32.
22	CLARKE_SCORE	Num	8	BEST12.	BEST32.

**Data Set Name: conduction\_velocity.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NEUROPERF	Num	8	BEST12.	BEST32.	Was a neurophysiology exam performed?
4	MEDNERVDL	Num	8	BEST12.	BEST32.	Median Nerve DL (ms)
5	MEDNERVMCV	Num	8	BEST12.	BEST32.	Median Nerve MCV (m/s)
6	MEDNERVCMAP	Num	8	BEST12.	BEST32.	Median Nerve CMAP (mv)
7	MEDNERVFLAT	Num	8	BEST12.	BEST32.	Median Nerve F-Latency (ms)
8	MEDNERVSCV	Num	8	BEST12.	BEST32.	Median Nerve SCV (m/s)
9	RADNERVSCV	Num	8	BEST12.	BEST32.	Radial Nerve SCV (m/s)
10	PERNERVDL	Num	8	BEST12.	BEST32.	Peroneal Nerve DL (ms)
11	PERNERVMCV	Num	8	BEST12.	BEST32.	Peroneal MCV (m/s)
12	PERNERVCMAP	Num	8	BEST12.	BEST32.	Peroneal CMAP (mV)
13	TIBNERVDL	Num	8	BEST12.	BEST32.	Tibial Nerve DL (ms)
14	TIBNERVCMAP	Num	8	BEST12.	BEST32.	Tibial Nerve CMAP (mV)
15	SURNERVSCV	Num	8	BEST12.	BEST32.	Sural Nerve SCV (m/s)
16	TEMPHANDHEAT	Num	8	BEST12.	BEST32.	Hand Heat
17	TEMPHANDCOLD	Num	8	BEST12.	BEST32.	Hand Cold
18	TEMPHANDDIFF	Num	8	BEST12.	BEST32.	Hand Difference
19	TEMPFOOTHEAT	Num	8	BEST12.	BEST32.	Foot Heat
20	TEMPFOOTCOLD	Num	8	BEST12.	BEST32.	Foot Cold
21	TEMPFOOTDIFF	Num	8	BEST12.	BEST32.	Foot Difference
22	RRVARREST	Num	8	BEST12.	BEST32.	RR At Rest %
23	RRVARDEEPBREATH	Num	8	BEST12.	BEST32.	RR Deep Breathing %
24	SSRHANDLAT	Num	8	BEST12.	BEST32.	SSR Hand Latency (s)
25	SSRHANDAMP	Num	8	BEST12.	BEST32.	SSR Hand Amplitude (mV)
26	SSRFOOTLAT	Num	8	BEST12.	BEST32.	SSR Foot Latency (s)
27	SSRFOOTAMP	Num	8	BEST12.	BEST32.	SSR Foot Amplitude (mV)
28	MEDNERVSNAP	Num	8	BEST12.	BEST32.	Median Nerve SNAP (uV)
29	RADNERVSNAP	Num	8	BEST12.	BEST32.	Radial Nerve SNAP (uV)
30	TIBNERVFLAT	Num	8	BEST12.	BEST32.	Tibial Nerve F-Latency (ms)
31	SURNERVSNAP	Num	8	BEST12.	BEST32.	Sural SNAP (uV)
32	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: cpeptide\_glucose\_creatinine\_v2.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
6	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
7	GRAFT	Num	8	BEST12.	BEST32.	Graft Function (C-peptide > 0.3 ng/mL)
8	FASTING_CPEPTIDE	Num	8	BEST12.	BEST32.	Fasting Cpeptide (ng/mL)
9	STIMULATED_CPEPTIDE_60	Num	8	BEST12.	BEST32.	Stimulated Cpeptide at 60 minutes (ng/mL)
10	STIMULATED_CPEPTIDE_90	Num	8	BEST12.	BEST32.	Stimulated Cpeptide at 90 minutes (ng/mL)
11	FASTING_GLUCOSE	Num	8	BEST12.	BEST32.	Fasting Glucose (mg/dL)
12	STIMULATED_GLUCOSE_60	Num	8	BEST12.	BEST32.	Stimulated Glucose at 60 minutes (mg/dL)
13	STIMULATED_GLUCOSE_90	Num	8	BEST12.	BEST32.	Stimulated Glucose at 90 minutes (mg/dL)
14	CREATININE	Num	8	BEST12.	BEST32.	Fasting Creatinine (ng/mL)
15	CREATININE_RATIO	Num	8	BEST12.	BEST32.	Creatinine_Ratio = (Fasting_cpeptide * 100) / (Fasting_glucose * Creatinine)

**Data Set Name: crp.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	CRP	Num	8	BEST12.	BEST32.	CRP (C-reactive protein)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	UNITCRP	Num	8	BEST12.	BEST32.	mg/dL or mg/L
6	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant



**Data Set Name: demographics.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	RACE1AI	Num	8	BEST12.	BEST32.	American Indian or Alaskan Native
4	RACE2A	Num	8	BEST12.	BEST32.	Asian
5	RACE3AA	Num	8	BEST12.	BEST32.	Black or African-American
6	RACE6NH	Num	8	BEST12.	BEST32.	Native Hawaiian or other Pacific Islander
7	RACE7W	Num	8	BEST12.	BEST32.	White
8	RACE8U	Num	8	BEST12.	BEST32.	Unknown/not reported
9	AGETX1	Num	8	BEST12.	BEST32.	Age at First Transplant (years)
10	DURATION	Num	8	BEST12.	BEST32.	Duration of Diabetes (years)
11	BMI	Num	8	BEST12.	BEST32.	BMI (kg/m <sup>2</sup> )
12	WEIGHT	Num	8	BEST12.	BEST32.	Weight (kg)
13	GENDER	Num	8	BEST12.	BEST32.	Patient Gender

**Data Set Name: diastolic\_blood\_pressure.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	BP2	Num	8	BEST12.	BEST32.	Diastolic Blood Pressure (mm Hg)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

***Data Set Name: drugs.sas7bdat***

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Informat</b>
1	ACCESSION	Char	9	\$9.	\$9.
2	STUDYID	Num	8	BEST12.	BEST32.
3	RANDDRUGNAME	Char	9	\$9.	\$9.

**Data Set Name: dtsqc.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	TREATMENT	Num	8	BEST12.	BEST32.	How satisfied are you with your current treatment?
3	BLSUGARHIGH	Num	8	BEST12.	BEST32.	How often have you felt that your blood sugars have been unacceptably high recently?
4	BLSUGARLOW	Num	8	BEST12.	BEST32.	How often have you felt that your blood sugars have been unacceptably low recently?
5	CONVENIENT	Num	8	BEST12.	BEST32.	How convenient have you been finding your treatment to be recently?
6	FLEXIBLE	Num	8	BEST12.	BEST32.	How flexible have you been finding your treatment to be recently?
7	UNDDIABETES	Num	8	BEST12.	BEST32.	How satisfied are you with your understanding of your diabetes?
8	RECOMMEND	Num	8	BEST12.	BEST32.	How likely would you be to recommend your present treatment to someone else with your kind of diabetes?
9	TOCONTINUE	Num	8	BEST12.	BEST32.	How satisfied would you be to continue with your present form of treatment?
10	STUDYID	Num	8	BEST12.	BEST32.	Protocol
11	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
12	DTSQ	Num	8	BEST12.	BEST32.	DTSQ = sum(Treatment + Convenient + Flexible + UndDiabetes + Recommend + ToContinue)
13	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
14	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: dtsqs.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	TREATMENT	Num	8	BEST12.	BEST32.	How satisfied are you with your current treatment?
3	BLSUGARHIGH	Num	8	BEST12.	BEST32.	How often have you felt that your blood sugars have been unacceptably high recently?
4	BLSUGARLOW	Num	8	BEST12.	BEST32.	How often have you felt that your blood sugars have been unacceptably low recently?
5	CONVENIENT	Num	8	BEST12.	BEST32.	How convenient have you been finding your treatment to be recently?
6	FLEXIBLE	Num	8	BEST12.	BEST32.	How flexible have you been finding your treatment to be recently?
7	UNDDIABETES	Num	8	BEST12.	BEST32.	How satisfied are you with your understanding of your diabetes?
8	RECOMMEND	Num	8	BEST12.	BEST32.	How likely would you be to recommend your present treatment to someone else with your kind of diabetes?
9	TOCONTINUE	Num	8	BEST12.	BEST32.	How satisfied would you be to continue with your present form of treatment?
10	STUDYID	Num	8	BEST12.	BEST32.	Protocol
11	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
12	DTSQ	Num	8	BEST12.	BEST32.	DTSQ = sum(Treatment + Convenient + Flexible + UndDiabetes + Recommend + ToContinue)
13	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
14	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: endpoints.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
4	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
5	HBA1CLT7ANDNOSHE	Num	8	BEST12.	BEST32.	Subjects with HbA1c < 7.0% AND Free of SHE from Day 28 Following Initial PHPI Product Transplant
6	HBA1C_LE65_NOSHE_REDUI	Num	8	BEST12.	BEST32.	Subjects with HbA1c > 6.5% OR Reduction from Baseline in HbA1c (%) of at least 1 Point AND Free of SHE from Day 28 Following Initial PHPI Product Transplant
7	HBA1CLE65ANDNOSHE	Num	8	BEST12.	BEST32.	Subjects with HbA1c > 6.5% AND Free of SHE from Day 28 Following Initial PHPI Product Transplant
8	HASNOSHE	Num	8	BEST12.	BEST32.	Subjects with no Severe Hypoglycemic Events (SHE) from Day 28 Following Initial PHPI Product Transplant
9	HBA1C_LT7	Num	8	BEST12.	BEST32.	Subjects with HbA1c < 7.0%
10	HBA1C_LE65	Num	8	BEST12.	BEST32.	Subjects with HbA1c > 6.5%
11	HBA1CREDUGE1	Num	8	BEST12.	BEST32.	Subjects with Reduction from Baseline in HbA1c (%) of at least 1 Point
12	II_07	Num	8	BEST12.	BEST32.	Insulin Independence By CIT-07 Protocol Definition
13	II_06	Num	8	BEST12.	BEST32.	Insulin Independence By CIT-06 Protocol Definition
14	CLARKE_SCORE_IMP	Char	9	\$9.	\$9.	Clarke Score with imputations
15	HBA1C_MET	Num	8	BEST12.	BEST32.	Subjects with HbA1c < 7.0% OR Reduction from Baseline in HbA1c (%) of at least 2.5 Points
16	HBA1C_MET2	Num	8	BEST12.	BEST32.	Subjects with HbA1c > 6.5% OR Reduction from Baseline in HbA1c (%) of at least 2.5 Points (from CIT-06 Protocol Definition)
17	CAPILLARY_COUNT	Num	8	BEST12.	BEST32.	Number of Times Fasting Capillary Glucose is > 140mg/dL in 7 consecutive days.
18	CAPILLARY_MET	Num	8	BEST12.	BEST32.	Subject Met Fasting Capillary Glucose Criteria of having not having more than 3 FCG > 140 mg/dL in 7 Consecutive Days
19	MAX_INS	Num	8	BEST12.	BEST32.	Maximum Insulin Used in 7 consecutive days (Different from Insulin Requirements used in the Report)
20	TITRATE_MET	Num	8	BEST12.	BEST32.	Subject Tritrated off Insulin
21	POSTPRANDIALGLU_MET	Num	8	BEST12.	BEST32.	Subject met Post-prandial criteria <= 180 mg/DL
22	SERUMGLU_MET	Num	8	BEST12.	BEST32.	Subject met Fasting Serum Glucose criteria <= 126
23	MMTT_MET	Num	8	BEST12.	BEST32.	Subject met MMTT fasting or Stimulated c-peptide >= 0.5 ng/mL
24	ALL_REQUIRE	Num	8	BEST12.	BEST32.	Subject Has all Data Necessary to Assess whether the subject is Insulin Independent or not.

**Data Set Name: eosinophils.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	EOSINOPHILS	Num	8	BEST12.	BEST32.	Eosinophils (*10 <sup>9</sup> /L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: fibrinogen.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	FIBRINOGEN	Num	8	BEST12.	BEST32.	Fibrinogen
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	UNITFIBRINOGEN	Num	8	BEST12.	BEST32.	mg/dL or g/L



**Data Set Name: *fsigt\_airglu.sas7bdat***

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
6	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
7	AIRG	Num	8	BEST12.	BEST32.	Acute Insulin Response to Glucose (AIRglu) Derived from FSIGT
8	AIRG0	Num	8	BEST12.	BEST32.	Acute Insulin Response to Glucose (AIRglu) Derived from FSIGT With Negative values set to zero

**Data Set Name: fsigt\_raw.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	TIME	Num	8	BEST12.	BEST32.	Time (min) at which insulin and glucose samples were taken
5	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
6	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
7	GLU	Num	8	BEST12.	BEST32.	Glucose (mg/dL)
8	INS_TOSOH	Num	8	BEST12.	BEST32.	Insulin (Tosoh) (uU/mL)

**Data Set Name: *general\_assessment.sas7bdat***

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	RESULTS	Char	1	\$1.	\$1.	Tuberculosis Results
4	ECG	Num	8	BEST12.	BEST32.	Was an ECG peromed?
5	ECGINTERP	Num	8	BEST12.	BEST32.	ECG Interpreted as: (select one)
6	STRESS	Char	1	\$1.	\$1.	Was a cardiac persantine thallium test, stress echo, or equivalent performed?
7	STRESSINTERP	Char	1	\$1.	\$1.	Stress Test Interpreted as: (select one)
8	XRAY	Num	8	BEST12.	BEST32.	Was a chest X-Ray performed?
9	XRAYINTERP	Num	8	BEST12.	BEST32.	Chest X-Ray Interpreted as: (select one)
10	AUPERFORMED	Num	8	BEST12.	BEST32.	Was an abdominal ultrasound performed?
11	AUINTERP	Num	8	BEST12.	BEST32.	Ultrasound Interpreted as: (select one)
12	TBPERFORMED	Char	1	\$1.	\$1.	Was TB Testing performed?
13	TBREASON	Char	1	\$1.	\$1.	Reason
14	MYOCARDIAL	Num	8	BEST12.	BEST32.	Was a myocardial scintigram performed?
15	MYOCARDIALINTERP	Num	8	BEST12.	BEST32.	Myocardial scintigram interpreted as:
16	URINALYSISPERFORMED	Char	1	\$1.	\$1.	Was a urinalysis performed?
17	URINALYSISINTERP	Char	1	\$1.	\$1.	Urinalysis interpreted as:
18	NUMDAYSINITIAL_TB	Char	1	\$1.	\$1.	Number of Days From Initial Transplant for Tuberculosis
19	NUMDAYSINITIAL_XRAY	Char	1	\$1.	\$1.	Number of Days From Initial Transplant for Xray
20	NUMDAYSINITIAL_ECG	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant for ECG
21	NUMDAYSINITIAL_STRESS	Char	1	\$1.	\$1.	Number of Days From Initial Transplant for cardiac persantine thallium test, stress echo, or equivalent
22	NUMDAYSINITIAL_AU	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant for abdominal ultrasound
23	NUMDAYSINITIAL_URINE	Char	1	\$1.	\$1.	Number of Days From Initial Transplant for Urine Analysis
24	NUMDAYSINITIAL_MYO	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant for myocardial scintigram

**Data Set Name: gfr\_sharev2.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
6	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
7	GFR	Num	8	BEST12.	BEST32.	Glomerular Filtration Rate (GFR) (applies to protocols 1, 2, 3, 4, 5 and 7)
8	EGFR	Char	1	\$1.	\$1.	Estimated Glomerular Filtration Rate (GFR) (applies only to protocol 6)
9	UNIT	Num	8	BEST12.	BEST32.	Indicator for whether GFR is Raw or Standardized (applies only to Protocol 1)

**Data Set Name: hba1c.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	HBA1C	Num	8	BEST12.	BEST32.	HbA1c (%) derived from the Washington lab
3	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
4	STUDYID	Num	8	BEST12.	BEST32.	Protocol
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: *hematocrit.sas7bdat***

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Informat</b>	<b>Label</b>
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	HEMATOCRIT	Num	8	BEST12.	BEST32.	Hematocrit
4	UNITHEMATOCRIT	Num	8	BEST12.	BEST32.	Hematocrit Unit
5	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
6	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: hemoglobin.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	HEMOGLOBIN	Num	8	BEST12.	BEST32.	Hemoglobin (mg/dL)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: hypo.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
4	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
5	HYPO_SCORE	Num	8	BEST12.	BEST32.	Composite hypoglycemic score (Hypo Score)



**Data Set Name: hyporecall.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	RECOGNIZE	Num	8	BEST12.	BEST32.	How many hypoglycemic episodes in the past year have you needed help to recognize?
6	TREAT	Num	8	BEST12.	BEST32.	How many hypoglycemic episodes in the past year have you needed help to treat?
7	GLUCAGON	Num	8	BEST12.	BEST32.	How many hypoglycemic episodes in the past year have you treated with glucagon?
8	AMBULANCE	Num	8	BEST12.	BEST32.	How many hypoglycemic episodes in the past year have required an ambulance call?

**Data Set Name: insulin.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
6	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
7	INSULIN	Num	8	BEST12.	BEST32.	Insulin Use (Units/Day)

**Data Set Name: ldh.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	LDH	Num	8	BEST12.	BEST32.	LDH
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	UNITLDH	Num	8	BEST12.	BEST32.	ukat/L or U/L
6	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: li.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
4	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
5	LI_SCORE	Num	8	BEST12.	BEST32.	Labality Index (LI) Score (mmol/L2/h-wk-1)

**Data Set Name: local\_hdl.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	HDL	Num	8	BEST12.	BEST32.	mmol/L
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: local\_ldl.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	LDL	Num	8	BEST12.	BEST32.	mmol/L
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

*Data Set Name: local\_serum\_creatinine.sas7bdat*

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	CREATININE	Num	8	BEST12.	BEST32.	Serum Creatinine (micromols/L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: local\_total\_cholesterol.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	CHOLESTEROL	Num	8	BEST12.	BEST32.	mmol/L
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant



**Data Set Name: local\_triglycerides.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	TRIGLYCERIDES	Num	8	BEST12.	BEST32.	mmol/L
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: lymphocyte.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	LYMPHOCYTE	Num	8	BEST12.	BEST32.	Lymphocytes (*10 <sup>9</sup> /L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: mage.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
4	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
5	MAGE	Num	8	BEST12.	BEST32.	Mean Amplitude of Glycemic Excursions (MAGE) (mg/dL)

**Data Set Name: mean\_insulin.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant (Start of 7 Day Interval used for Mean Insulin Calculation)
4	ENDDAY	Num	8	BEST12.	BEST32.	End of 7 Day Interval used for Mean Insulin Calculation
5	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
6	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
7	MEAN_INSULIN	Num	8	BEST12.	BEST32.	Mean Insulin (units/day) over 7 consecutive days (7 closest days Prior to Transplant for baseline)
8	WEIGHT	Num	8	BEST12.	BEST32.	Weight (Kg) of subject
9	INS_KG	Num	8	BEST12.	BEST32.	Mean Insulin (units/kg/day) = [Mean Insulin (units/day) / Weight (kg)]

**Data Set Name: *medical\_history.sas7bdat***

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	ALLERG	Num	8	BEST12.	BEST32.	Allergies/Immunologic
4	ALLERGIES	Char	1	\$1.	\$1.	Does the subject have a history of allergies to seafood or iodine-containing products?
5	BLOOD	Num	8	BEST12.	BEST32.	Blood/Lymphatic
6	CARD	Num	8	BEST12.	BEST32.	Cardiovascular
7	ENDO	Num	8	BEST12.	BEST32.	Endocrine/Metabolic (except Diabetes)
8	EXPDKA	Num	8	BEST12.	BEST32.	Has the subject experienced DKA within the last 12 months? (select one)
9	GAST	Num	8	BEST12.	BEST32.	Gastrointestinal
10	GENI	Num	8	BEST12.	BEST32.	Genitourinary/Reproductive
11	HEAD	Num	8	BEST12.	BEST32.	Head, Eyes, Ears, Nose, Throat
12	HEPATIC	Num	8	BEST12.	BEST32.	Hepatic/Biliary
13	HOSPDKA	Num	8	BEST12.	BEST32.	Has the subject been hospitalized for DKA within the last 12 months? (select one)
14	MUSCU	Num	8	BEST12.	BEST32.	Musculoskeletal
15	NEUR	Num	8	BEST12.	BEST32.	Neurological
16	OTHER	Num	8	BEST12.	BEST32.	Other
17	PSYCH	Num	8	BEST12.	BEST32.	Psychological/Psychiatric
18	RESP	Num	8	BEST12.	BEST32.	Respiratory
19	SKIN	Num	8	BEST12.	BEST32.	Skin
20	ALLERGICIPRO	Num	8	BEST12.	BEST32.	Is the subject allergic to ciprofloxacin?

**Data Set Name: monocytes.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	MONOCYTES	Num	8	BEST12.	BEST32.	Monocytes (*10 <sup>9</sup> /L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: neutrophils.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NEUTROPHILS	Num	8	BEST12.	BEST32.	Neutrophils (*10 <sup>9</sup> /L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: patientstatus.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMTX	Num	8	BEST12.	BEST32.	Number of Transplants
4	NUMDAYS2NDTX	Num	8	BEST12.	BEST32.	Number of Days Since 1st Transplant for Patients with at Least 2 transplants
5	NUMDAYS3RDTX	Num	8	BEST12.	BEST32.	Number of Days Since 1st Transplant for Patients with 3 transplants



**Data Set Name: pilotendpoints.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
4	II	Num	8	BEST12.	BEST32.	Insulin Independence By CIT02, CIT-03, CIT-04, and CIT-05 Protocol Definitions
5	HBA1C_MET	Num	8	BEST12.	BEST32.	Subjects with HbA1c < 7.0% OR Reduction from Baseline in HbA1c (%) of at least 2.5 Points
6	CAPILLARY_COUNT	Num	8	BEST12.	BEST32.	Number of Times Fasting Capillary Glucose is > 140mg/dL in 7 consecutive days.
7	CAPILLARY_MET	Num	8	BEST12.	BEST32.	Subject Met Fasting Capillary Glucose Criteria of having not having more than 3 FCG > 140 mg/dL in 7 Consecutive Days
8	MAX_INS	Num	8	BEST12.	BEST32.	Maximum Insulin Used in 7 consecutive days (Different from Insulin Requirements used in the Report)
9	TITRATE_MET	Num	8	BEST12.	BEST32.	Subject Tritrated off Insulin
10	POSTPRANDIALGLU_MET	Num	8	BEST12.	BEST32.	Subject met Post-prandial criteria <= 180 mg/DL
11	SERUMGLU_MET	Num	8	BEST12.	BEST32.	Subject met Fasting Serum Glucose criteria <= 126
12	MMTT_MET	Num	8	BEST12.	BEST32.	Subject met MMTT fasting or Stimulated c-peptide >= 0.5 ng/mL
13	ALL_REQUIRE	Num	8	BEST12.	BEST32.	Subject Has all Data Necessary to Assess whether the subject is Insulin Independent or not.

**Data Set Name: pk.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Informat</b>	<b>Label</b>
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PK	Num	8	BEST12.	BEST32.	PK (INR)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

***Data Set Name: planned\_visit\_dictionary.sas7bdat***

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Informat</b>
1	CIT_01_PLANNED_VISIT_DICTIONARY	Char	53	\$53.	\$53.
2	VAR2	Char	33	\$33.	\$33.

**Data Set Name: *platelet.sas7bdat***

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PLATELET	Num	8	BEST12.	BEST32.	Platelets (*10 <sup>9</sup> /L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Char	1	\$1.	\$1.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Char	1	\$1.	\$1.	Time Point indicator based on Final Transplant

**Data Set Name: potassium.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	POTASSIUM	Num	8	BEST12.	BEST32.	Potassium
4	UNITPOTASSIUM	Num	8	BEST12.	BEST32.	PotassiumUnit
5	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
6	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: pra.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	CPRAPERCENT	Num	8	BEST12.	BEST32.	Percent Calculated PRA
3	STUDYID	Num	8	BEST12.	BEST32.	Protocol
4	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: pulse.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	PULSE	Num	8	BEST12.	BEST32.	Pulse (beats/min)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: rblccount.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	RBLDCOUNT	Num	8	BEST12.	BEST32.	Red blood cell count (*10 <sup>12</sup> /L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant



**Data Set Name: rudbeckclinical.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
4	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
5	SAMPLE	Char	22	\$22.	\$22.	Sample
6	C_PEPTID	Num	8	BEST12.	BEST32.	C-peptide (pmol/L)
7	C3A	Num	8	BEST12.	BEST32.	C3a (ug/L)
8	TAT_III_KOMPLEX	Num	8	BEST12.	BEST32.	TAT III komplex (ug/L)

**Data Set Name: safety.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
4	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
5	POST	Num	8	BEST12.	BEST32.	Before or After Date of Randomization or Initiation of Immuno Suppresion Therapy
6	SOC	Char	67	\$67.	\$67.	System Organ Class
7	PT	Char	36	\$36.	\$36.	Preferred Term
8	MAXINTENSITY	Num	8	BEST12.	BEST32.	Grade/Intensity
9	ISSAE	Num	8	BEST12.	BEST32.	Is A Severe Adverse Event
10	RELISLET	Num	8	BEST12.	BEST32.	Is Related to Islet
11	RELIMMUN	Num	8	BEST12.	BEST32.	Is Related to Immuno Suppression
12	RELDUG	Num	8	BEST12.	BEST32.	Is Related to Drug
13	RELNEITHER	Num	8	BEST12.	BEST32.	Is related to Neither

**Data Set Name: serology.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
4	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
5	CMVIGG	Num	8	BEST12.	BEST32.	Cytomegalovirus IgG antibody (CMV IgG)
6	CMVIGM	Num	8	BEST12.	BEST32.	Cytomegalovirus IgM antibody (CMV IgM)
7	EBVIGG	Num	8	BEST12.	BEST32.	Epstein-Barr virus IgG antibody (EBV IgG)
8	HBCAB	Num	8	BEST12.	BEST32.	Hepatitis B Core antibody (HBc Ab)
9	HBSAB	Num	8	BEST12.	BEST32.	Hepatitis B surface antibody (HBsAb)
10	HBSAG	Num	8	BEST12.	BEST32.	Hepatitis B surface antigen (HBsAg)
11	HCVAB	Num	8	BEST12.	BEST32.	Hepatitis C antibody (HCV Ab)
12	HIV	Num	8	BEST12.	BEST32.	HIV
13	HTLV	Char	1	\$1.	\$1.	HTLV-I/II
14	CMVPCR	Num	8	BEST12.	BEST32.	CMV by PCR
15	EBVPCR	Num	8	BEST12.	BEST32.	EBV by PCR
16	BKVURINE	Char	1	\$1.	\$1.	BKV by PCR(urine)
17	BKVBLOOD	Char	1	\$1.	\$1.	BKV by PCR(blood)

**Data Set Name: sf36v2.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
4	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
5	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
6	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant
7	PCS	Num	8	BEST12.	BEST32.	Physical Component Score
8	MCS	Num	8	BEST12.	BEST32.	Mental Component Score
9	HEALTH	Num	8	BEST12.	BEST32.	In general, would you say your health is:
10	COMPAREHEALTH	Num	8	BEST12.	BEST32.	Compared to one year ago, how would you rate your health in general now?
11	VIGACTIVITIES	Num	8	BEST12.	BEST32.	Vigorous activities, such as running, lifting heavy objects, participating in strenuous sports
12	MODACTIVITIES	Num	8	BEST12.	BEST32.	Moderate activities, such as moving table, pushing a vacuum cleaner, bowling, or playing golf
13	LIFTGROCERIES	Num	8	BEST12.	BEST32.	Lifting or carrying groceries
14	CLIMBSTAIRS	Num	8	BEST12.	BEST32.	Climbing several flights of stairs
15	CLIMBONEFLGSTAIRS	Num	8	BEST12.	BEST32.	Climbing one flights of stairs
16	BENDING	Num	8	BEST12.	BEST32.	Bending, kneeling, or stooping
17	WALKING	Num	8	BEST12.	BEST32.	Waling more than a mile
18	WALKINGBLOCKS	Num	8	BEST12.	BEST32.	Walking several hundred yards
19	WALKINGONEBLOCK	Num	8	BEST12.	BEST32.	Walking one hundred yards
20	BATHING	Num	8	BEST12.	BEST32.	Bathing or dressing yourself
21	CUTTIME	Num	8	BEST12.	BEST32.	Cut down on the amount of time you spent on work or other activites
22	ACCOMPLISHLESS	Num	8	BEST12.	BEST32.	Accomplished less than you would like
23	LIMITED	Num	8	BEST12.	BEST32.	Were limited in the kind of work or other activities
24	DIFFICULTY	Num	8	BEST12.	BEST32.	Had difficulty performing the work or other activites (for example, it took extra effort)
25	CUTTIME4WK	Num	8	BEST12.	BEST32.	Cut down on the amount of time you spent on work or other activities
26	ACCOMPLISHLESS4WK	Num	8	BEST12.	BEST32.	Accomplished less than you would like
27	CAREFULLY4WK	Num	8	BEST12.	BEST32.	Didn't do work or other activities as carefully as usual
28	SOCIAL4WK	Num	8	BEST12.	BEST32.	During the past 4 weeks, to what extent has your physical health or emotional problems interfered with your normal social activities with family, friends, neighbors, or groups?
29	PHYPAIN4WK	Num	8	BEST12.	BEST32.	How much physical pain have you had during the past 4 weeks?

Num	Variable	Type	Len	Format	Informat	Label
30	PAININTERFERE4WK	Num	8	BEST12.	BEST32.	During the past 4 weeks, how much did pain interfere with your normal work (including both work outside the home and housework)?
31	FULLLIFE	Num	8	BEST12.	BEST32.	Did you feel full of life?
32	NERVOUS	Num	8	BEST12.	BEST32.	Have you bee a very nervous person?
33	FELTDOWN	Num	8	BEST12.	BEST32.	Have you felt so down in the dumps that nothing could cheer you up?
34	FELTCALM	Num	8	BEST12.	BEST32.	Have you felt calm and peaceful?
35	ENERGY	Num	8	BEST12.	BEST32.	Did you have lot of energy
36	DOWNHEARTED	Num	8	BEST12.	BEST32.	Have you felt downhearted and blue?
37	WORNOUT	Num	8	BEST12.	BEST32.	Did you feel worn out?
38	HAPPYPERSON	Num	8	BEST12.	BEST32.	Have you been a happy person?
39	TIRED	Num	8	BEST12.	BEST32.	Did you feel tired?
40	PHYHEALTHEMOPROBLEMS	Num	8	BEST12.	BEST32.	During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activites (like visitiong with friends, relatives ect.)?
41	SICK	Num	8	BEST12.	BEST32.	I seem to get sick a little easier than other people
42	HEALTHY	Num	8	BEST12.	BEST32.	I am as healthy as anybody I know
43	HEALTHWORSE	Num	8	BEST12.	BEST32.	I expect my health to get worse
44	HEALTHEXCELLENT	Num	8	BEST12.	BEST32.	My health is excellent

**Data Set Name: sodium.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	SODIUM	Num	8	BEST12.	BEST32.	Sodium
4	UNITSODIUM	Num	8	BEST12.	BEST32.	Sodium Unit
5	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
6	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant

**Data Set Name: systolic\_blood\_pressure.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	BP1	Num	8	BEST12.	BEST32.	Systolic Blood Pressure (mm Hg)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: urinealbumin.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	URINEALBUMIN	Num	8	BEST12.	BEST32.	UrineAlbumin (mg/mmol)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant



**Data Set Name: wbc.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	WBCOUNT	Num	8	BEST12.	BEST32.	White Blood Count (*10 <sup>9</sup> /L)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: weight.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	WEIGHT	Num	8	BEST12.	BEST32.	Weight(kg)
4	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
5	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
6	PSTINTVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Initial Transplant
7	PSTFINVST	Num	8	BEST12.	BEST32.	Time Point indicator based on Final Transplant

**Data Set Name: whocoding.sas7bdat**

Num	Variable	Type	Len	Format	Informat	Label
1	ACCESSION	Char	9	\$9.	\$9.	
2	STUDYID	Num	8	BEST12.	BEST32.	Protocol
3	NUMDAYSINITIAL	Num	8	BEST12.	BEST32.	Number of Days From Initial Transplant
4	ENDDAY	Num	8	BEST12.	BEST32.	Drug Stop day from initial transplant
5	FLAG08	Char	1	\$1.	\$1.	CIT 08 Protocol Indicator
6	ATCCODE	Char	5	\$5.	\$5.	Anatomical Therapeutic Chemical Classification (ATC Code)
7	DRUGNAMECODED	Char	73	\$73.	\$73.	Coded Drug Name