

**Data Set Name: figure1.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	TX	Char	4		Treatment group
3	VISIT	Char	3		Visit code
4	ALT	Num	8	BEST12.	ALT - U/L
5	ALKA	Num	8	BEST12.	Alkaline phosphatase - U/L
6	GGT	Num	8	BEST12.	GGT - U/L
7	WEIGHT	Num	8	BEST12.	Weight - kg

*Data Set Name: figure\_s1.sas7bdat*

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	TX	Char	4		Treatment group
3	VISIT	Char	3		Visit code
4	TRIG	Num	8	BEST12.	Triglycerides - mg/dL
5	TRIG_SI	Num	8	BEST12.	Triglycerides - mmol/L
6	CHOL	Num	8	BEST12.	Cholesterol - mg/dL
7	CHOL_SI	Num	8	BEST12.	Cholesterol - mmol/L
8	HDL	Num	8	BEST12.	HDL - mg/dL
9	HDL_SI	Num	8	BEST12.	HDL - mmol/L
10	LDL	Num	8	BEST12.	LDL - mg/dL
11	LDL_SI	Num	8	BEST12.	LDL - mmol/L

*Data Set Name: figure\_s2.sas7bdat*

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	TX	Char	4		Treatment group
3	VISIT	Char	3		Visit code
4	AST	Num	8	BEST12.	AST - U/L

**Data Set Name: table1.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	TX	Char	4		Treatment group
3	AGE	Num	8	BEST12.	Age - yrs
4	MALE	Num	8	BEST12.	Male gender 0=no 1=yes
5	HISP	Num	8	BEST12.	Hispanic ethnicity 0=no 1=yes
6	RACE	Char	5		Race
7	PIO	Num	8	BEST12.	Pioglitazone rx 0=no 1=yes
8	HYPERLIP	Num	8	BEST12.	Hyperlipidemia 0=no 1=yes
9	VITE	Num	8	BEST12.	Vitmain E rx 0=no 1=yes
10	TZD	Num	8	BEST12.	Thiazolidinedione rx 0=no 1=yes
11	HTN	Num	8	BEST12.	Hypertension 0=no 1=yes
12	ASPIRIN	Num	8	BEST12.	Aspirin (81mg) rx 0=no 1=yes
13	ANTILIP	Num	8	BEST12.	Antilipidemic rx 0=no 1=yes
14	CVHTNRX	Num	8	BEST12.	Cardiovascular/hypertension rx 0=no 1=ye
15	DIABRX	Num	8	BEST12.	Diabetes rx 0=no 1=yes
16	METFORM	Num	8	BEST12.	Metformin rx 0=no 1=yes
17	CVD	Num	8	BEST12.	Cardiovascular disease 0=no 1=yes
18	HEMO	Num	8	BEST12.	Hemoglobin - g/dL
19	HEMA	Num	8	BEST12.	Hematocrit - %
20	MCV	Num	8	BEST12.	Mean corpuscular volume - fL
21	WBC	Num	8	BEST12.	White blood cell count - 10,000 cells/uL
22	PLATELET	Num	8	BEST12.	Platelet count - 10,000 cells/mm3
23	BICARB	Num	8	BEST12.	Bicarbonate - mEq/L
24	CAL	Num	8	BEST12.	Calcium - mg/dL
25	PHOS	Num	8	BEST12.	Phosphate - mg/dL
26	CR	Num	8	BEST12.	Creatinine - mg/dL
27	URIC	Num	8	BEST12.	Uric acid - mg/dL
28	ALB	Num	8	BEST12.	Albumin - g/dL
29	PROT	Num	8	BEST12.	Total protein - g/dL
30	PT	Num	8	BEST12.	Prothrmbin time - sec
31	INR	Num	8	BEST12.	International normalized ratio
32	HBA1C	Num	8	BEST12.	Hemoglobin A1c - %
33	BILIT	Num	8	BEST12.	Total bilirubin - mg/dL
34	AST	Num	8	BEST12.	AST - U/L
35	ALT	Num	8	BEST12.	ALT - U/L
36	ALKA	Num	8	BEST12.	Alkaline phosphatase - U/L

Num	Variable	Type	Len	Format	Label
37	GGT	Num	8	BEST12.	GGT - U/L
38	TRIG	Num	8	BEST12.	Triglycerides - mg/dL
39	CHOL	Num	8	BEST12.	Cholesterol - mg/dL
40	HDL	Num	8	BEST12.	HDL - mg/dL
41	LDL	Num	8	BEST12.	LDL - mg/dL
42	GLUCB	Num	8	BEST12.	Fasting serum glucose - mg/dL
43	INSUB	Num	8	BEST12.	Insulin - umol/mL
44	HOMA	Num	8	BEST12.	HOMA-IR - mg/dL x umol/mL / 405
45	SF36PHYS	Num	8	BEST12.	SF-36 physical component - standardized
46	SF36MENT	Num	8	BEST12.	SF-36 mental component - standardized to
47	WEIGHT	Num	8	BEST12.	Weight - kg
48	BMI	Num	8	BEST12.	Body mass index - kg/m <sup>2</sup>
49	WAISTCM	Num	8	BEST12.	Waist circumference - cm
50	RATIO	Num	8	BEST12.	Waist to hip ratio
51	SBP	Num	8	BEST12.	Systolic blood pressure - mmHg
52	DBP	Num	8	BEST12.	Diastolic blood pressure - mmHg
53	BLFIBRO	Num	8	BEST12.	Fibrosis score - scale 0-4
54	BLSTEATO	Num	8	BEST12.	Steatosis score - scale 0-3
55	BLINFLAM	Num	8	BEST12.	Lobular inflammation score - scale 0-3
56	BLBALL	Num	8	BEST12.	Ballooning score - scale 0-2
57	BLNAS	Num	8	BEST12.	NAFLD activity score - scale 0-8
58	BLPORTAL	Num	8	BEST12.	Portal inflammation score - scale 0-2
59	BLENGTH	Num	8	BEST12.	Biopsy length - mm
60	BLDEFNAS	Num	8	BEST12.	Steatohepatitis - 0=no/borderline NASH 1
61	DIAB	Num	8	BEST12.	Diabetes 0=no 1=yes
62	BILIT_SI	Num	8	BEST12.	Total bilirubin - umol/L
63	TRIG_SI	Num	8	BEST12.	Triglycerides - mmol/L
64	CHOL_SI	Num	8	BEST12.	Cholesterol - mmol/L
65	HDL_SI	Num	8	BEST12.	HDL - mmol/L
66	LDL_SI	Num	8	BEST12.	LDL - mmol/L
67	HEMO_SI	Num	8	BEST12.	Hemoglobin - g/L
68	HEMA_SI	Num	8	BEST12.	Hematocrit - proportion of 1.0
69	WBC_SI	Num	8	BEST12.	White blood cell count - 10**9/L
70	PLATELE0	Num	8	BEST12.	Platelet count - 10**9/L
71	BICARB_S	Num	8	BEST12.	Bicarbonate - mmol/L
72	CAL_SI	Num	8	BEST12.	Calcium - mmol/L
73	PHOS_SI	Num	8	BEST12.	Phosphate - mmol/L
74	CR_SI	Num	8	BEST12.	Creatinine - umol/L
75	URIC_SI	Num	8	BEST12.	Uric acid - umol/L

Num	Variable	Type	Len	Format	Label
76	ALB_SI	Num	8	BEST12.	Albumin - g/L
77	PROT_SI	Num	8	BEST12.	Total protein - g/L
78	GLUCB_SI	Num	8	BEST12.	Fasting serum glucose - mmol/L
79	INSUB_SI	Num	8	BEST12.	Insulin - pmol/L
80	HOMA_SI	Num	8	BEST12.	HOMA-IR - mmol/L x pmol/L / 22.5
81	HBA1C_SI	Num	8	BEST12.	Hemoglobin A1c - mmol/mol

**Data Set Name: table2.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	CLINIC	Char	4		Clinic
3	TX	Char	4		Treatment group
4	RZDATE	Num	8	DATE9.	Date of randomization
5	BLFIBRO	Num	8	BEST12.	Baseline Fibrosis score - scale 0-4
6	BLSTEATO	Num	8	BEST12.	Baseline Steatosis score - scale 0-3
7	BLINFLAM	Num	8	BEST12.	Baseline Lobular inflammation score - sc
8	BLBALL	Num	8	BEST12.	Baseline Ballooning score - scale 0-2
9	BLNAS	Num	8	BEST12.	Baseline NAFLD activity score - scale 0-
10	BLPORTAL	Num	8	BEST12.	Baseline Portal inflammation score - sca
11	FIBRO	Num	8	BEST12.	Week 72 Fibrosis score - scale 0-4
12	STEATO	Num	8	BEST12.	Week 72 Steatosis score - scale 0-3
13	INFLAM	Num	8	BEST12.	Week 72 Lobular inflammation score - sca
14	BALL	Num	8	BEST12.	Week 72 Ballooning score - scale 0-2
15	NAS	Num	8	BEST12.	Week 72 NAFLD activity score - scale 0-8
16	RESOLVE	Num	8	BEST12.	Week 72 Resolution of NASH 0=no 1=yes
17	PORTAL	Num	8	BEST12.	Week 72 Portal inflammation score - scal
18	DIAB	Num	8	BEST12.	Diabetes status at baseline 0=no 1=yes
19	STRATUM	Char	16		Clinic x Diabetes stratum
20	DFIBRO	Num	8	BEST12.	Week 72 - BL Fibrosis score
21	DSTEATO	Num	8	BEST12.	Week 72 - BL Steatosis score
22	DINFLAM	Num	8	BEST12.	Week 72 - BL Lobular inflammation score
23	DBALL	Num	8	BEST12.	Week 72 - BL Ballooning score
24	DNAS	Num	8	BEST12.	Week 72 - BL NAFLD activity score
25	DPORTAL	Num	8	BEST12.	Week 72 - BL Portal inflammation score
26	IMPROVE	Num	8	BEST12.	Primary outcome in completers 0=no 1=yes
27	IMPROVE_	Num	8	BEST12.	Primary outcome in pts at risk 0=no 1=ye
28	ISTEATO	Num	8	BEST12.	Improvement in Week 72 Steatosis score 0
29	IINFLAM	Num	8	BEST12.	Improvement in Week 72 Lobular inflammat
30	IBALL	Num	8	BEST12.	Improvement in Week 72 Ballooning score
31	IFIBRO	Num	8	BEST12.	Improvement in Week 72 Fibrosis score 0=
32	IPORTAL	Num	8	BEST12.	Improvement in Week 72 Portal inflammati

**Data Set Name: table3.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	CLINIC	Char	4		Clinic
3	TX	Char	4		Treatment group
4	HEMO_B	Num	8	BEST12.	BL Hemoglobin - g/dL
5	HEMA_B	Num	8	BEST12.	BL Hematocrit - %
6	MCV_B	Num	8	BEST12.	BL Mean corpuscular volume - fL
7	WBC_B	Num	8	BEST12.	BL White blood cell count - 10,000 cells
8	PLATELET	Num	8	BEST12.	BL Platelet count - 10,000 cells/mm3
9	BICARB_B	Num	8	BEST12.	BL Bicarbonate - mEq/L
10	CAL_B	Num	8	BEST12.	BL Calcium - mg/dL
11	PHOS_B	Num	8	BEST12.	BL Phosphate - mg/dL
12	CR_B	Num	8	BEST12.	BL Creatinine - mg/dL
13	URIC_B	Num	8	BEST12.	BL Uric acid - mg/dL
14	ALB_B	Num	8	BEST12.	BL Albumin - mg/dL
15	PROT_B	Num	8	BEST12.	BL Total protein - g/dL
16	PT_B	Num	8	BEST12.	BL Prothrombin time - sec
17	INR_B	Num	8	BEST12.	BL International normalized ratio
18	HBA1C_B	Num	8	BEST12.	BL Hemoglobin A1c - %
19	BILIT_B	Num	8	BEST12.	BL Total bilirubin - mg/dL
20	AST_B	Num	8	BEST12.	BL AST - U/L
21	ALT_B	Num	8	BEST12.	BL ALT - U/L
22	ALKA_B	Num	8	BEST12.	BL Alkaline phosphatase - U/L
23	GGT_B	Num	8	BEST12.	BL GGT - U/L
24	TRIG_B	Num	8	BEST12.	BL Triglycerides - mg/dL
25	CHOL_B	Num	8	BEST12.	BL Cholesterol - mg/dL
26	HDL_B	Num	8	BEST12.	BL HDL - mg/dL
27	LDL_B	Num	8	BEST12.	BL LDL - mg/dL
28	GLUCB_B	Num	8	BEST12.	BL Fasting serum glucose - mg/dL
29	INSUB_B	Num	8	BEST12.	BL Insulin - umol/mL
30	HOMA_B	Num	8	BEST12.	BL HOMA-IR - (mg/dL x u/mL)/405
31	BILIT_SI	Num	8	BEST12.	BL Total bilirubin - umol/L
32	TRIG_SI	Num	8	BEST12.	BL Triglycerides - mmol/L
33	CHOL_SI	Num	8	BEST12.	BL Cholesterol - mmol/L
34	HDL_SI_B	Num	8	BEST12.	BL HDL - mmol/L
35	LDL_SI_B	Num	8	BEST12.	BL LDL - mmol/L
36	HEMO_SI	Num	8	BEST12.	BL Hemoglobin - g/L



Num	Variable	Type	Len	Format	Label
37	HEMA_SI_	Num	8	BEST12.	BL Hematocrit - proportion of 1.0
38	WBC_SI_B	Num	8	BEST12.	BL White blood cell count - 10**9/L
39	PLATELE0	Num	8	BEST12.	BL Platelet count - 10**9/L
40	BICARB_S	Num	8	BEST12.	BL Bicarbonate - mmol/L
41	CAL_SI_B	Num	8	BEST12.	BL Calcium - mmol/L
42	PHOS_SI_	Num	8	BEST12.	BL Phosphate - mmol/L
43	CR_SI_B	Num	8	BEST12.	BL Creatinine - umol/L
44	URIC_SI_	Num	8	BEST12.	BL Uric acid - umol/L
45	ALB_SI_B	Num	8	BEST12.	BL Albumin - g/L
46	PROT_SI_	Num	8	BEST12.	BL Total protein - g/L
47	GLUCB_SI	Num	8	BEST12.	BL Fasting serum glucose - mmol/L
48	INSUB_SI	Num	8	BEST12.	BL Insulin - pmol/L
49	HOMA_SI_	Num	8	BEST12.	BL HOMA-IR - mmol/L x pmol/L / 22.5
50	HBA1C_SI	Num	8	BEST12.	BL Hemoglobin A1c - mmol/mol
51	SF36PHYS	Num	8	BEST12.	BL SF-36 physical component - standardiz
52	SF36MENT	Num	8	BEST12.	-BL SF-36 mental component - standardize
53	WEIGHT_B	Num	8	BEST12.	BL Weight - kg
54	BMI_B	Num	8	BEST12.	BL Body mass index - kg/m2
55	WAISTCM_	Num	8	BEST12.	BL Waist circumference - cm
56	RATIO_B	Num	8	BEST12.	BL Waist to hip ratio
57	SBP_B	Num	8	BEST12.	BL Systolic blood pressure - mmHg
58	DBP_B	Num	8	BEST12.	BL Diastolic blood pressure - mmHg
59	HEMO	Num	8	BEST12.	Week 72 Hemoglobin - g/dL
60	HEMA	Num	8	BEST12.	Week 72 Hematocrit - %
61	MCV	Num	8	BEST12.	Week 72 Mean corpuscular volume - fL
62	WBC	Num	8	BEST12.	Week 72 White blood cell count - 10,000
63	PLATELE1	Num	8	BEST12.	Week 72 Platelet count - 10,000 cells/mm
64	BICARB	Num	8	BEST12.	Week 72 Bicarbonate - mEq/L
65	CAL	Num	8	BEST12.	Week 72 Calcium - mg/dL
66	PHOS	Num	8	BEST12.	Week 72 Phosphate - mg/dL
67	CR	Num	8	BEST12.	Week 72 Creatinine - mg/dL
68	URIC	Num	8	BEST12.	Week 72 Uric acid - mg/dL
69	ALB	Num	8	BEST12.	Week 72 Albumin - mg/dL
70	PROT	Num	8	BEST12.	Week 72 Total protein - g/dL
71	PT	Num	8	BEST12.	Week 72 Prothrmbin time - sec
72	INR	Num	8	BEST12.	Week 72 International normalized ratio
73	HBA1C	Num	8	BEST12.	Week 72 Hemoglobin A1c - %
74	BILIT	Num	8	BEST12.	Week 72 Total bilirubin - mg/dL
75	AST	Num	8	BEST12.	Week 72 AST - U/L

Num	Variable	Type	Len	Format	Label
76	ALT	Num	8	BEST12.	Week 72 ALT - U/L
77	ALKA	Num	8	BEST12.	Week 72 Alkaline phosphatase - U/L
78	GGT	Num	8	BEST12.	Week 72 GGT - U/L
79	TRIG	Num	8	BEST12.	Week 72 Triglycerides - mg/dL
80	CHOL	Num	8	BEST12.	Week 72 Cholesterol - mg/dL
81	HDL	Num	8	BEST12.	Week 72 HDL - mg/dL
82	LDL	Num	8	BEST12.	Week 72 LDL - mg/dL
83	GLUCB	Num	8	BEST12.	Week 72 Fasting serum glucose - mg/dL
84	INSUB	Num	8	BEST12.	Week 72 Insulin - umol/mL
85	HOMA	Num	8	BEST12.	Week 72 HOMA-IR - (mg/dL x u/mL)/405
86	BILIT_S0	Num	8	BEST12.	Week 72 Total bilirubin - umol/L
87	TRIG_SI	Num	8	BEST12.	Week 72 Triglycerides - mmol/L
88	CHOL_SI	Num	8	BEST12.	Week 72 Cholesterol - mmol/L
89	HDL_SI	Num	8	BEST12.	Week 72 HDL - mmol/L
90	LDL_SI	Num	8	BEST12.	Week 72 LDL - mmol/L
91	HEMO_SI	Num	8	BEST12.	Week 72 Hemoglobin - g/L
92	HEMA_SI	Num	8	BEST12.	Week 72 Hematocrit - proportion of 1.0
93	WBC_SI	Num	8	BEST12.	Week 72 White blood cell count - 10**9/L
94	PLATELE2	Num	8	BEST12.	Week 72 Platelet count - 10**9/L
95	BICARB_0	Num	8	BEST12.	Week 72 Bicarbonate - mmol/L
96	CAL_SI	Num	8	BEST12.	Week 72 Calcium - mmol/L
97	PHOS_SI	Num	8	BEST12.	Week 72 Phosphate - mmol/L
98	CR_SI	Num	8	BEST12.	Week 72 Creatinine - umol/L
99	URIC_SI	Num	8	BEST12.	Week 72 Uric acid - umol/L
100	ALB_SI	Num	8	BEST12.	Week 72 Albumin - g/L
101	PROT_SI	Num	8	BEST12.	Week 72 Total protein - g/L
102	GLUCB_S0	Num	8	BEST12.	Week 72 Fasting serum glucose - mmol/L
103	INSUB_S0	Num	8	BEST12.	Week 72 Insulin - pmol/L
104	HOMA_SI	Num	8	BEST12.	Week 72 HOMA-IR - mmol/L x pmol/L / 22.5
105	HBA1C_S0	Num	8	BEST12.	Week 72 Hemoglobin A1c - mmol/mol
106	SF36PHY0	Num	8	BEST12.	Week 72 SF-36 physical component - stand
107	SF36MEN0	Num	8	BEST12.	Week 72 SF-36 mental component - standar
108	WEIGHT	Num	8	BEST12.	Week 72 Weight - kg
109	BMI	Num	8	BEST12.	Week 72 Body mass index - kg/m2
110	WAISTCM	Num	8	BEST12.	Week 72 Waist circumference - cm
111	RATIO	Num	8	BEST12.	Week 72 Waist to hip ratio
112	SBP	Num	8	BEST12.	Week 72 Systolic blood pressure - mmHg
113	DBP	Num	8	BEST12.	Week 72 Diastolic blood pressure - mmHg
114	HEMO_D	Num	8	BEST12.	Week 72-BL Hemoglobin - g/dL

Num	Variable	Type	Len	Format	Label
115	HEMA_D	Num	8	BEST12.	Week 72-BL Hematocrit - %
116	MCV_D	Num	8	BEST12.	Week 72-BL Mean corpuscular volume - fL
117	WBC_D	Num	8	BEST12.	Week 72-BL White blood cell count - 10,0
118	PLATELE3	Num	8	BEST12.	Week 72-BL Platelet count - 10,000 cells
119	BICARB_D	Num	8	BEST12.	Week 72-BL Bicarbonate - mEq/L
120	CAL_D	Num	8	BEST12.	Week 72-BL Calcium - mg/dL
121	PHOS_D	Num	8	BEST12.	Week 72-BL Phosphate - mg/dL
122	CR_D	Num	8	BEST12.	Week 72-BL Creatinine - mg/dL
123	URIC_D	Num	8	BEST12.	Week 72-BL Uric acid - mg/dL
124	ALB_D	Num	8	BEST12.	Week 72-BL Albumin - mg/dL
125	PROT_D	Num	8	BEST12.	Week 72-BL Total protein - g/dL
126	PT_D	Num	8	BEST12.	Week 72-BL Prothrmbin time - sec
127	INR_D	Num	8	BEST12.	Week 72-BL International normalized rati
128	HBA1C_D	Num	8	BEST12.	Week 72-BL Hemoglobin A1c - %
129	BILIT_D	Num	8	BEST12.	Week 72-BL Total bilirubin - mg/dL
130	AST_D	Num	8	BEST12.	Week 72-BL AST - U/L
131	ALT_D	Num	8	BEST12.	Week 72-BL ALT - U/L
132	ALKA_D	Num	8	BEST12.	Week 72-BL Alkaline phosphatase - U/L
133	GGT_D	Num	8	BEST12.	Week 72-BL GGT - U/L
134	TRIG_D	Num	8	BEST12.	Week 72-BL Triglycerides - mg/dL
135	CHOL_D	Num	8	BEST12.	Week 72-BL Cholesterol - mg/dL
136	HDL_D	Num	8	BEST12.	Week 72-BL HDL - mg/dL
137	LDL_D	Num	8	BEST12.	Week 72-BL LDL - mg/dL
138	GLUCB_D	Num	8	BEST12.	Week 72-BL Fasting serum glucose - mg/dL
139	INSUB_D	Num	8	BEST12.	Week 72-BL Insulin - umol/mL
140	HOMA_D	Num	8	BEST12.	Week 72-BL HOMA-IR - (mg/dL x u/mL)/405
141	SF36PHY1	Num	8	BEST12.	Week 72-BL SF-36 physical component - st
142	SF36MEN1	Num	8	BEST12.	Week 72-BL SF-36 mental component - stan
143	WEIGHT_D	Num	8	BEST12.	Week 72-BL Weight - kg
144	BMI_D	Num	8	BEST12.	Week 72-BL Body mass index - kg/m2
145	WAISTCM0	Num	8	BEST12.	Week 72-BL Waist circumference - cm
146	RATIO_D	Num	8	BEST12.	Week 72-BL Waist to hip ratio
147	SBP_D	Num	8	BEST12.	Week 72-BL Systolic blood pressure - mmH
148	DBP_D	Num	8	BEST12.	Week 72-BL Diastolic blood pressure - mm
149	HEMO_SI0	Num	8	BEST12.	Week 72-BL Hemoglobin - g/L
150	HEMA_SI0	Num	8	BEST12.	Week 72-BL Hematocrit - proportion of 1.
151	WBC_SI_D	Num	8	BEST12.	Week 72-BL White blood cell count - 10**
152	PLATELE4	Num	8	BEST12.	Week 72-BL Platelet count - 10**9/L
153	BICARB_1	Num	8	BEST12.	Week 72-BL Bicarbonate - mmol/L

Num	Variable	Type	Len	Format	Label
154	CAL_SI_D	Num	8	BEST12.	Week 72-BL Calcium - mmol/L
155	PHOS_SI0	Num	8	BEST12.	Week 72-BL Phosphate - mmol/L
156	CR_SI_D	Num	8	BEST12.	Week 72-BL Creatinine - umol/L
157	URIC_SI0	Num	8	BEST12.	Week 72-BL Uric acid - umol/L
158	ALB_SI_D	Num	8	BEST12.	Week 72-BL Albumin - g/L
159	PROT_SI0	Num	8	BEST12.	Week 72-BL Total protein - g/L
160	HBA1C_S1	Num	8	BEST12.	Week 72-BL Hemoglobin A1c - mmol/mol
161	BILIT_S1	Num	8	BEST12.	Week 72-BL Total bilirubin - umol/L
162	TRIG_SI0	Num	8	BEST12.	Week 72-BL Triglycerides - mmol/L
163	CHOL_SI0	Num	8	BEST12.	Week 72-BL Cholesterol - mmol/L
164	HDL_SI_D	Num	8	BEST12.	Week 72-BL HDL - mmol/L
165	LDL_SI_D	Num	8	BEST12.	Week 72-BL LDL - mmol/L
166	GLUCB_S1	Num	8	BEST12.	Week 72-BL Fasting serum glucose - mmol/
167	INSUB_S1	Num	8	BEST12.	Week 72-BL Insulin - pmol/L
168	HOMA_SI0	Num	8	BEST12.	Week 72-BL HOMA-IR - mmol/L x pmol/L / 2

**Data Set Name: table4.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	SHORTNAM	Char	52	AE short name
3	GRADE	Char	1	AE grade
4	AEDATE	Char	7	Date of AE
5	TX	Char	4	Treatment code
6	AETYPE	Char	15	AE category
7	AE	Char	8	AE Body system

*Data Set Name: table\_s1.sas7bdat*

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	TX	Char	4		Treatment group
3	IMPROVE	Num	8	BEST12.	Primary outcome in completers 0=no 1=yes
4	IMPROVE_	Num	8	BEST12.	Primary outcome in pts at risk 0=no 1=ye
5	ALT_D	Num	8	BEST12.	Week 72-BL ALT - U/L
6	WEIGHT_D	Num	8	BEST12.	Week 72-BL Weight - kg
7	IMPROVE0	Num	8	BEST12.	Primary outcome: missing in all pts impu
8	IMPROVE1	Num	8	BEST12.	Primary outcome: missing in pts at risk
9	IMPROVE2	Num	8	BEST12.	Primary outcome: missing in pts at risk

*Data Set Name: table\_s2.sas7bdat*

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	TX	Char	4		Treatment group
3	BLDEFNAS	Num	8	BEST12.	Steatohepatitis at BL 0=not NASH 1=Borde
4	BLBALL	Num	8	BEST12.	Ballooning at BL 0=none 1=few 2=many
5	MALE	Num	8	BEST12.	Gender 0=female 1=male
6	HISP	Num	8	BEST12.	Ethnicity 0=nonHispanic 1=Hispanic
7	WHITE	Num	8	BEST12.	Race 0=nonwhite 1=white
8	VITE	Num	8	BEST12.	Vitamin E use at BL 0=no 1=yes
9	STATIN	Num	8	BEST12.	Statin use at BL 0=no 1=yes
10	ASPIRIN	Num	8	BEST12.	Aspirin use at BL 0=no 1=yes
11	DIAB	Num	8	BEST12.	Diabetes at BL 0=no 1=yes
12	BLNAS4	Num	8	BEST12.	NAS at BL 0=<4 1=4+
13	BLFIBRO2	Num	8	BEST12.	Fibrosis stage at BL 0=stage 0-2 1=stage
14	BLENGTH	Num	8	BEST12.	Biopsy length at BL - mm 0=<15 1=15+
15	FULENGTH	Num	8	BEST12.	Biopsy length at Week 72 - mm 0=<15 1=15
16	ALT60	Num	8	BEST12.	ALT (U/L) at BL 0=<60 1=60+
17	AGE55	Num	8	BEST12.	Age at BL 0=<55 yrs 1=55+ yrs
18	COHORT2	Num	8	BEST12.	Cohort 0=enrolled before 1/1/12 1=enroll
19	BMI35	Num	8	BEST12.	BMI (kg/m2) at BL 0=<35 1=35+
20	IR_CAT	Char	9		Insulin resistant at BL: ir_cat=IR intac
21	GLUCCAT	Num	8	BEST12.	Glucose at BL (mmol/L) 0=<5.55 1=5.55+
22	INSUCAT	Num	8	BEST12.	Insulin at BL pmol/L 0=<72 1=72+
23	CALTCAT	Num	8	BEST12.	Change in ALT (U/L) at week 72 0=any dec
24	CWTCAT2	Num	8	BEST12.	Change in wt (kg) at week 72 1=decrease
25	CLIN_ALP	Char	1		Clinic alphabetic code

**Data Set Name: table\_s3.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	CLINIC	Char	4		Clinic
3	TX	Char	4		Treatment group
4	HEMO_B	Num	8	BEST12.	BL Hemoglobin - g/dL
5	HEMA_B	Num	8	BEST12.	BL Hematocrit - %
6	MCV_B	Num	8	BEST12.	BL Mean corpuscular volume - fL
7	WBC_B	Num	8	BEST12.	BL White blood cell count - 10,000 cells
8	PLATELET	Num	8	BEST12.	BL Platelet count - 10,000 cells/mm3
9	BICARB_B	Num	8	BEST12.	BL Bicarbonate - mEq/L
10	CAL_B	Num	8	BEST12.	BL Calcium - mg/dL
11	PHOS_B	Num	8	BEST12.	BL Phosphate - mg/dL
12	CR_B	Num	8	BEST12.	BL Creatinine - mg/dL
13	URIC_B	Num	8	BEST12.	BL Uric acid - mg/dL
14	ALB_B	Num	8	BEST12.	BL Albumin - mg/dL
15	PROT_B	Num	8	BEST12.	BL Total protein - g/dL
16	HBA1C_B	Num	8	BEST12.	BL Hemoglobin A1c - %
17	BILIT_B	Num	8	BEST12.	BL Total bilirubin - mg/dL
18	AST_B	Num	8	BEST12.	BL AST - U/L
19	ALT_B	Num	8	BEST12.	BL ALT - U/L
20	ALKA_B	Num	8	BEST12.	BL Alkaline phosphatase - U/L
21	GGT_B	Num	8	BEST12.	BL GGT - U/L
22	TRIG_B	Num	8	BEST12.	BL Triglycerides - mg/dL
23	CHOL_B	Num	8	BEST12.	BL Cholesterol - mg/dL
24	HDL_B	Num	8	BEST12.	BL HDL - mg/dL
25	LDL_B	Num	8	BEST12.	BL LDL - mg/dL
26	GLUCB_B	Num	8	BEST12.	BL Fasting serum glucose - mg/dL
27	INSUB_B	Num	8	BEST12.	BL Insulin - umol/mL
28	HOMA_B	Num	8	BEST12.	BL HOMA-IR - (mg/dL x u/mL)/405
29	BILIT_SI	Num	8	BEST12.	BL Total bilirubin - umol/L
30	TRIG_SI_	Num	8	BEST12.	BL Triglycerides - mmol/L
31	CHOL_SI_	Num	8	BEST12.	BL Cholesterol - mmol/L
32	HDL_SI_B	Num	8	BEST12.	BL HDL - mmol/L
33	LDL_SI_B	Num	8	BEST12.	BL LDL - mmol/L
34	HEMO_SI_	Num	8	BEST12.	BL Hemoglobin - g/L
35	HEMA_SI_	Num	8	BEST12.	BL Hematocrit - proportion of 1.0
36	WBC_SI_B	Num	8	BEST12.	BL White blood cell count - 10**9/L



Num	Variable	Type	Len	Format	Label
37	PLATELE0	Num	8	BEST12.	BL Platelet count - 10**9/L
38	BICARB_S	Num	8	BEST12.	BL Bicarbonate - mmol/L
39	CAL_SI_B	Num	8	BEST12.	BL Calcium - mmol/L
40	PHOS_SI_	Num	8	BEST12.	BL Phosphate - mmol/L
41	CR_SI_B	Num	8	BEST12.	BL Creatinine - umol/L
42	URIC_SI_	Num	8	BEST12.	BL Uric acid - umol/L
43	ALB_SI_B	Num	8	BEST12.	BL Albumin - g/L
44	PROT_SI_	Num	8	BEST12.	BL Total protein - g/L
45	GLUCB_SI	Num	8	BEST12.	BL Fasting serum glucose - mmol/L
46	INSUB_SI	Num	8	BEST12.	BL Insulin - pmol/L
47	HOMA_SI_	Num	8	BEST12.	BL HOMA-IR - mmol/L x pmol/L / 22.5
48	HBA1C_SI	Num	8	BEST12.	BL Hemoglobin A1c - mmol/mol
49	SF36PHYS	Num	8	BEST12.	BL SF-36 physical component - standardiz
50	SF36MENT	Num	8	BEST12.	-BL SF-36 mental component - standardize
51	WEIGHT_B	Num	8	BEST12.	BL Weight - kg
52	BMI_B	Num	8	BEST12.	BL Body mass index - kg/m2
53	WAISTCM_	Num	8	BEST12.	BL Waist circumference - cm
54	RATIO_B	Num	8	BEST12.	BL Waist to hip ratio
55	SBP_B	Num	8	BEST12.	BL Systolic blood pressure - mmHg
56	DBP_B	Num	8	BEST12.	BL Diastolic blood pressure - mmHg
57	HEMO	Num	8	BEST12.	Week 96 Hemoglobin - g/dL
58	HEMA	Num	8	BEST12.	Week 96 Hematocrit - %
59	MCV	Num	8	BEST12.	Week 96 Mean corpuscular volume - fL
60	WBC	Num	8	BEST12.	Week 96 White blood cell count - 10,000
61	PLATELE1	Num	8	BEST12.	Week 96 Platelet count - 10,000 cells/mm
62	BICARB	Num	8	BEST12.	Week 96 Bicarbonate - mEq/L
63	CAL	Num	8	BEST12.	Week 96 Calcium - mg/dL
64	PHOS	Num	8	BEST12.	Week 96 Phosphate - mg/dL
65	CR	Num	8	BEST12.	Week 96 Creatinine - mg/dL
66	URIC	Num	8	BEST12.	Week 96 Uric acid - mg/dL
67	ALB	Num	8	BEST12.	Week 96 Albumin - mg/dL
68	PROT	Num	8	BEST12.	Week 96 Total protein - g/dL
69	HBA1C	Num	8	BEST12.	Week 96 Hemoglobin A1c - %
70	BILIT	Num	8	BEST12.	Week 96 Total bilirubin - mg/dL
71	AST	Num	8	BEST12.	Week 96 AST - U/L
72	ALT	Num	8	BEST12.	Week 96 ALT - U/L
73	ALKA	Num	8	BEST12.	Week 96 Alkaline phosphatase - U/L
74	GGT	Num	8	BEST12.	Week 96 GGT - U/L
75	TRIG	Num	8	BEST12.	Week 96 Triglycerides - mg/dL

Num	Variable	Type	Len	Format	Label
76	CHOL	Num	8	BEST12.	Week 96 Cholesterol - mg/dL
77	HDL	Num	8	BEST12.	Week 96 HDL - mg/dL
78	LDL	Num	8	BEST12.	Week 96 LDL - mg/dL
79	GLUCB	Num	8	BEST12.	Week 96 Fasting serum glucose - mg/dL
80	INSUB	Num	8	BEST12.	Week 96 Insulin - umol/mL
81	HOMA	Num	8	BEST12.	Week 96 HOMA-IR - (mg/dL x u/mL)/405
82	BILIT_S0	Num	8	BEST12.	Week 96 Total bilirubin - umol/L
83	TRIG_SI	Num	8	BEST12.	Week 96 Triglycerides - mmol/L
84	CHOL_SI	Num	8	BEST12.	Week 96 Cholesterol - mmol/L
85	HDL_SI	Num	8	BEST12.	Week 96 HDL - mmol/L
86	LDL_SI	Num	8	BEST12.	Week 96 LDL - mmol/L
87	HEMO_SI	Num	8	BEST12.	Week 96 Hemoglobin - g/L
88	HEMA_SI	Num	8	BEST12.	Week 96 Hematocrit - proportion of 1.0
89	WBC_SI	Num	8	BEST12.	Week 96 White blood cell count - 10**9/L
90	PLATELE2	Num	8	BEST12.	Week 96 Platelet count - 10**9/L
91	BICARB_0	Num	8	BEST12.	Week 96 Bicarbonate - mmol/L
92	CAL_SI	Num	8	BEST12.	Week 96 Calcium - mmol/L
93	PHOS_SI	Num	8	BEST12.	Week 96 Phosphate - mmol/L
94	CR_SI	Num	8	BEST12.	Week 96 Creatinine - umol/L
95	URIC_SI	Num	8	BEST12.	Week 96 Uric acid - umol/L
96	ALB_SI	Num	8	BEST12.	Week 96 Albumin - g/L
97	PROT_SI	Num	8	BEST12.	Week 96 Total protein - g/L
98	GLUCB_S0	Num	8	BEST12.	Week 96 Fasting serum glucose - mmol/L
99	INSUB_S0	Num	8	BEST12.	Week 96 Insulin - pmol/L
100	HOMA_SI	Num	8	BEST12.	Week 96 HOMA-IR - mmol/L x pmol/L / 22.5
101	HBA1C_S0	Num	8	BEST12.	Week 96 Hemoglobin A1c - mmol/mol
102	SF36PHY0	Num	8	BEST12.	Week 96 SF-36 physical component - stand
103	SF36MEN0	Num	8	BEST12.	Week 96 SF-36 mental component - standar
104	WEIGHT	Num	8	BEST12.	Week 96 Weight - kg
105	BMI	Num	8	BEST12.	Week 96 Body mass index - kg/m2
106	WAISTCM	Num	8	BEST12.	Week 96 Waist circumference - cm
107	RATIO	Num	8	BEST12.	Week 96 Waist to hip ratio
108	SBP	Num	8	BEST12.	Week 96 Systolic blood pressure - mmHg
109	DBP	Num	8	BEST12.	Week 96 Diastolic blood pressure - mmHg
110	HEMO_D	Num	8	BEST12.	Week 96-BL Hemoglobin - g/dL
111	HEMA_D	Num	8	BEST12.	Week 96-BL Hematocrit - %
112	MCV_D	Num	8	BEST12.	Week 96-BL Mean corpuscular volume - fL
113	WBC_D	Num	8	BEST12.	Week 96-BL White blood cell count - 10,0
114	PLATELE3	Num	8	BEST12.	Week 96-BL Platelet count - 10,000 cells

Num	Variable	Type	Len	Format	Label
115	BICARB_D	Num	8	BEST12.	Week 96-BL Bicarbonate - mEq/L
116	CAL_D	Num	8	BEST12.	Week 96-BL Calcium - mg/dL
117	PHOS_D	Num	8	BEST12.	Week 96-BL Phosphate - mg/dL
118	CR_D	Num	8	BEST12.	Week 96-BL Creatinine - mg/dL
119	URIC_D	Num	8	BEST12.	Week 96-BL Uric acid - mg/dL
120	ALB_D	Num	8	BEST12.	Week 96-BL Albumin - mg/dL
121	PROT_D	Num	8	BEST12.	Week 96-BL Total protein - g/dL
122	HBA1C_D	Num	8	BEST12.	Week 96-BL Hemoglobin A1c - %
123	BILIT_D	Num	8	BEST12.	Week 96-BL Total bilirubin - mg/dL
124	AST_D	Num	8	BEST12.	Week 96-BL AST - U/L
125	ALT_D	Num	8	BEST12.	Week 96-BL ALT - U/L
126	ALKA_D	Num	8	BEST12.	Week 96-BL Alkaline phosphatase - U/L
127	GGT_D	Num	8	BEST12.	Week 96-BL GGT - U/L
128	TRIG_D	Num	8	BEST12.	Week 96-BL Triglycerides - mg/dL
129	CHOL_D	Num	8	BEST12.	Week 96-BL Cholesterol - mg/dL
130	HDL_D	Num	8	BEST12.	Week 96-BL HDL - mg/dL
131	LDL_D	Num	8	BEST12.	Week 96-BL LDL - mg/dL
132	GLUCB_D	Num	8	BEST12.	Week 96-BL Fasting serum glucose - mg/dL
133	INSUB_D	Num	8	BEST12.	Week 96-BL Insulin - umol/mL
134	HOMA_D	Num	8	BEST12.	Week 96-BL HOMA-IR - (mg/dL x u/mL)/405
135	SF36PHY1	Num	8	BEST12.	Week 96-BL SF-36 physical component - st
136	SF36MEN1	Num	8	BEST12.	Week 96-BL SF-36 mental component - stan
137	WEIGHT_D	Num	8	BEST12.	Week 96-BL Weight - kg
138	BMI_D	Num	8	BEST12.	Week 96-BL Body mass index - kg/m2
139	WAISTCM0	Num	8	BEST12.	Week 96-BL Waist circumference - cm
140	RATIO_D	Num	8	BEST12.	Week 96-BL Waist to hip ratio
141	SBP_D	Num	8	BEST12.	Week 96-BL Systolic blood pressure - mmH
142	DBP_D	Num	8	BEST12.	Week 96-BL Diastolic blood pressure - mm
143	HEMO_SI0	Num	8	BEST12.	Week 96-BL Hemoglobin - g/L
144	HEMA_SI0	Num	8	BEST12.	Week 96-BL Hematocrit - proportion of 1.
145	WBC_SI_D	Num	8	BEST12.	Week 96-BL White blood cell count - 10**
146	PLATELE4	Num	8	BEST12.	Week 96-BL Platelet count - 10**9/L
147	BICARB_1	Num	8	BEST12.	Week 96-BL Bicarbonate - mmol/L
148	CAL_SI_D	Num	8	BEST12.	Week 96-BL Calcium - mmol/L
149	PHOS_SI0	Num	8	BEST12.	Week 96-BL Phosphate - mmol/L
150	CR_SI_D	Num	8	BEST12.	Week 96-BL Creatinine - umol/L
151	URIC_SI0	Num	8	BEST12.	Week 96-BL Uric acid - umol/L
152	ALB_SI_D	Num	8	BEST12.	Week 96-BL Albumin - g/L
153	PROT_SI0	Num	8	BEST12.	Week 96-BL Total protein - g/L

Num	Variable	Type	Len	Format	Label
154	HBA1C_S1	Num	8	BEST12.	Week 96-BL Hemoglobin A1c - mmol/mol
155	BILIT_S1	Num	8	BEST12.	Week 96-BL Total bilirubin - umol/L
156	TRIG_SI0	Num	8	BEST12.	Week 96-BL Triglycerides - mmol/L
157	CHOL_SI0	Num	8	BEST12.	Week 96-BL Cholesterol - mmol/L
158	HDL_SI_D	Num	8	BEST12.	Week 96-BL HDL - mmol/L
159	LDL_SI_D	Num	8	BEST12.	Week 96-BL LDL - mmol/L
160	GLUCB_S1	Num	8	BEST12.	Week 96-BL Fasting serum glucose - mmol/
161	INSUB_S1	Num	8	BEST12.	Week 96-BL Insulin - pmol/L
162	HOMA_SI0	Num	8	BEST12.	Week 96-BL HOMA-IR - mmol/L x pmol/L / 2

*Data Set Name: table\_s4.sas7bdat*

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	TX	Char	4		Treatment group
3	BLFIBRO	Num	8	BEST12.	Baseline Fibrosis stage (0-4)
4	BLSTEATO	Num	8	BEST12.	Baseline Steatosis score 0=<5% 1=5-33% 2=
5	BLINFLAM	Num	8	BEST12.	Baseline Inflammation score 0=0 1=<2 2=2
6	BLBALL	Num	8	BEST12.	Baseline Ballooning score 0=none 1=few 2=
7	BLNAS	Num	8	BEST12.	Baseline NALFD Activity Score 1-8
8	BLNASHTY	Char	1		Baseline NASH category -1=No NAFLD 0=not
9	BLPORTAL	Num	8	BEST12.	Baseline Portal Inflammation score 0=non
10	FIBRO	Num	8	BEST12.	Week 72 Fibrosis stage (0-4)
11	STEATO	Num	8	BEST12.	Week 72 Steatosis score 0=<5% 1=5-33% 2=
12	INFLAM	Num	8	BEST12.	Week 72 Inflammation score 0=0 1=<2 2=2-
13	BALL	Num	8	BEST12.	Week 72 Ballooning score 0=none 1=few 2=
14	NAS	Num	8	BEST12.	Week 72 NAFLD Activity Score 1-8
15	NASHTYPE	Char	2		Week 72 NASH category -1=No NAFLD 0=not
16	PORTAL	Num	8	BEST12.	Week 72 Portal inflammation score 0=none