

Data Set Name: ad.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	ad108	Char	1	8 How was questionnaire completed
6	ad111	Char	1	11 How often have drink with alcohol
7	ad112	Char	1	12 How many drinks on typical drinking day
8	ad113	Char	1	13 How often have 6+ drinks on one occasion
9	ad114	Char	1	14 How often not able to stop drinking/past year
10	ad115	Char	1	15 How often failed to do expected in last year
11	ad116	Char	1	16 How often need drink in AM after heavy drinking
12	ad117	Char	1	17 How often felt guilt/remorse after drinking
13	ad118	Char	1	18 How often can't remember what happened night before
14	ad119	Char	1	19 Anyone injured as result of your drinking
15	ad120	Char	1	20 Anyone concerned about your drinking
16	formdate	Num	8	4 Form date (days since randomization)

Data Set Name: bg.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	bg220bgs	Char	75	20bg Specify other diagnosis
3	bg221ds	Char	75	21d Specify other
4	bg226js	Char	75	26j Specify other
5	bg240hs	Char	75	40h Specify other
6	bg240ks	Char	75	40k Specify other
7	visit	Char	4	5 Visit ID code
8	form	Char	4	6 Form/revision
9	study	Char	1	7 Study
10	bg208	Char	1	8 Patient has liver biopsy to be used for FLINT
11	bg211	Char	1	11 Patient will have liver biopsy during screening
12	bg212	Char	1	12 Is patient female
13	bg213	Char	1	13 Menstrual history in past 5 years
14	bg214	Char	1	14 Is patient post-menopausal
15	bg215	Char	2	15 Age at menopause
16	bg216	Char	1	16 Patient of childbearing potential
17	bg217	Char	1	17 Is patient currently pregnant
18	bg218	Char	1	18 Is patient currently breast feeding
19	bg219	Char	1	19 Is patient willing to use birth control
20	bg220a	Char	1	20a Diabetes type 1
21	bg220b	Char	1	20b Diabetes type 2
22	bg220c	Char	1	20c Chronic hepatitis B
23	bg220d	Char	1	20d Hepatitis C
24	bg220e	Char	1	20e Active autoimmune hepatitis
25	bg220f	Char	1	20f Autoimmune cholestatic liver disorder
26	bg220g	Char	1	20g Wilson's disease
27	bg220h	Char	1	20h Alpha-1-antitrypsin (A1AT) deficiency
28	bg220i	Char	1	20i Glycogen storage disease
29	bg220j	Char	1	20j Iron overload
30	bg220k	Char	1	20k Hemochromatosis
31	bg220l	Char	1	20l Polycystic liver disease
32	bg220m	Char	1	20m Biliary diversion
33	bg220n	Char	1	20n Primary sclerosing cholangitis
34	bg220o	Char	1	20o Drug induced liver disease
35	bg220p	Char	1	20p Bile duct obstruction
36	bg220q	Char	1	20q Gilbert's syndrome
37	bg220r	Char	1	20r Esophageal or gastric varices on endoscopy

Num	Variable	Type	Len	Label
38	bg220s	Char	1	20s Bleeding from varices
39	bg220t	Char	1	20t Other gastrointestinal bleeding
40	bg220u	Char	1	20u Ascites
41	bg220v	Char	1	20v Edema
42	bg220w	Char	1	20w Hepatic encephalopathy
43	bg220x	Char	1	20x Portal hypertension
44	bg220y	Char	1	20y Hepatorenal syndrome
45	bg220z	Char	1	20z Hepatopulmonary syndrome
46	bg220aa	Char	1	20aa Short bowel syndrome
47	bg220ab	Char	1	20ab Hemophilia
48	bg220ac	Char	1	20ac HIV positive
49	bg220ad	Char	1	20ad Systemic autoimmune disorder
50	bg220ae	Char	1	20ae Endocrine disease
51	bg220af	Char	1	20af Hepatocellular carcinoma
52	bg220ag	Char	1	20ag Other malignancy
53	bg220ah	Char	1	20ah Peripheral neuropathy
54	bg220ai	Char	1	20ai Seizure disorder or epilepsy
55	bg220aj	Char	1	20aj Drug allergies
56	bg220ak	Char	1	20ak Hypothyroidism
57	bg220al	Char	1	20al Hypertension
58	bg220am	Char	1	20am Cerebrovascular disease
59	bg220an	Char	1	20an Chronic cholestasis
60	bg220ao	Char	1	20ao Hyperlipidemia
61	bg220ap	Char	1	20ap Pancreatitis
62	bg220aq	Char	1	20aq Cholelithiasis
63	bg220ar	Char	1	20ar Coronary artery disease
64	bg220as	Char	1	20as Congestive heart failure
65	bg220at	Char	1	20at Elevated uric acid
66	bg220au	Char	1	20au Kidney disease
67	bg220av	Char	1	20av Polycystic ovary syndrome
68	bg220aw	Char	1	20aw Sleep apnea
69	bg220ax	Char	1	20ax Dermatologic disorders
70	bg220ay	Char	1	20ay Myopathy
71	bg220az	Char	1	20az Myositis
72	bg220ba	Char	1	20ba Major depression
73	bg220bb	Char	1	20bb Schizophrenia
74	bg220bc	Char	1	20bc Bipolar disorder
75	bg220bd	Char	1	20bd Obsessive compulsive disorder
76	bg220be	Char	1	20be Severe anxiety or personality disorder

Num	Variable	Type	Len	Label
77	bg220bf	Char	1	20bf Substance abuse
78	bg220bg	Char	1	20bg Other diagnosis
79	bg220bh	Char	1	20bh None of the above
80	bg221a	Char	1	21a Stapling of the stomach
81	bg221b	Char	1	21b Jejunioleal bypass
82	bg221c	Char	1	21c Biliopancreatic diversion
83	bg221d	Char	1	21d Other GI or bariatric surgery
84	bg221e	Char	1	21e None of the above
85	bg222	Char	1	22 Undergoing evaluation for bariatric surgery
86	bg223a	Char	1	23a Ever received liver transplant
87	bg223b	Char	1	23b Ever received organ/limb/bone marrow transplant
88	bg224a	Char	1	24a Amiodarone
89	bg224b	Char	1	24b Demeclocycline
90	bg224c	Char	1	24c Divalproex
91	bg224d	Char	1	24d Doxycycline
92	bg224e	Char	1	24e Methotrexate
93	bg224f	Char	1	24f Minocycline
94	bg224g	Char	1	24g Oxytetracycline
95	bg224h	Char	1	24h Tetracycline
96	bg224i	Char	1	24i Valproate sodium
97	bg224j	Char	1	24j Valproic acid
98	bg224k	Char	1	24k Other known hepatotoxin - 1
99	bg224ks	Char	35	24k Specify other
100	bg224l	Char	1	24l Other known hepatotoxin - 2
101	bg224ls	Char	35	24l Specify other
102	bg224m	Char	1	24m Other known hepatotoxin - 3
103	bg224ms	Char	35	24m Specify other
104	bg224n	Char	1	24n None of the above
105	bg225	Char	1	25 Any item in 24a-m checked
106	bg226a	Char	1	26a Betamethasone sodium
107	bg226b	Char	1	26b Cortisol
108	bg226c	Char	1	26c Cortisone
109	bg226d	Char	1	26d Dexamethasone
110	bg226e	Char	1	26e Hydrocortisone
111	bg226f	Char	1	26f Methylprednisolone
112	bg226g	Char	1	26g Prednisolone
113	bg226h	Char	1	26h Prednisone
114	bg226i	Char	1	26i Triamcinolone
115	bg226j	Char	1	26j Other systemic glucocorticoids

Num	Variable	Type	Len	Label
116	bg226k	Char	1	26k Other systemic glucocorticoids
117	bg226ks	Char	35	26k Specify other
118	bg226l	Char	1	26l None of the above
119	bg227	Char	1	27 Were any of items 26a-k checked
120	bg228a	Char	1	28a Boldenone undecylenate
121	bg228b	Char	1	28b Conjugated estrogen
122	bg228c	Char	1	28c Diethylstilbestrol and methyltestosterone
123	bg228d	Char	1	28d Esterified estrogen
124	bg228e	Char	1	28e Estradiol
125	bg228f	Char	1	28f Ethinyl estradiol
126	bg228g	Char	1	28g Fluoxymesterone
127	bg228h	Char	1	28h Levonorgestrel
128	bg228i	Char	1	28i Medroxyprogesterone
129	bg228j	Char	1	28j Megestrol
130	bg228k	Char	1	28k Methandrostenolone
131	bg228l	Char	1	28l Methyltestosterone
132	bg228m	Char	1	28m Nandrolone
133	bg228n	Char	1	28n Norethindrone
134	bg228o	Char	1	28o Norgestrel
135	bg228p	Char	1	28p Oral contraceptives
136	bg228q	Char	1	28q Oxandrolone
137	bg228r	Char	1	28r Oxymetholone
138	bg228s	Char	1	28s Progesterone
139	bg228t	Char	1	28t Raloxifene
140	bg228u	Char	1	28u Stanzolol
141	bg228v	Char	1	28v Tamoxifen
142	bg228w	Char	1	28w Testosterone
143	bg228x	Char	1	28x Other
144	bg228xs	Char	35	28x Specify other
145	bg228y	Char	1	28y Other
146	bg228ys	Char	35	28y Specify other
147	bg228z	Char	1	28z None of the above
148	bg229	Char	1	29 Were any of items 28a-y checked
149	bg230	Char	1	30 Any antiNASH drugs in past 6 months
150	bg230a	Char	1	30a Betaine
151	bg230b	Char	1	30b Choline+methionine+...+pyridoxine
152	bg230c	Char	1	30c Ursodeoxycholic acid
153	bg230d	Char	1	30d S-adenylmethionine
154	bg230e	Char	1	30e Milk thistle

Num	Variable	Type	Len	Label
155	bg230f	Char	1	30f Probiotics
156	bg230g	Char	1	30g Other antiNASH drug
157	bg230gs	Char	35	30g Specify other antiNASH drug
158	bg231	Char	1	31 Patient used thiazolidinedione in past 6mos
159	bg232	Char	1	32 Used antiobesity meds in past 6 mos
160	bg232a	Char	1	32a Dexfenfluramine hydrochloride
161	bg232b	Char	1	32b Fenfluramine hydrochloride
162	bg232c	Char	1	32c Methamphetamine hydrochloride
163	bg232d	Char	1	32d Orlistat
164	bg232e	Char	1	32e Phendimetrazine tartrate
165	bg232f	Char	1	32f Phentermine hydrochloride
166	bg232g	Char	1	32g Sibutramine hydrochloride monohydrate
167	bg232h	Char	1	32h Other
168	bg232hs	Char	35	32h Specify other
169	bg232i	Char	1	32i Other
170	bg232is	Char	35	32i Specify other
171	bg233a	Char	1	33a Chlordiazepoxide
172	bg233b	Char	1	33b Clorazepate dipotassium
173	bg233c	Char	1	33c Diazepam
174	bg233d	Char	1	33d Disulfiram
175	bg233e	Char	1	33e Hydroxyzine pamoate
176	bg233f	Char	1	33f Naltrexone hydrochloride
177	bg233g	Char	1	33g Other antidependency drug
178	bg233gs	Char	35	33g Specify other antidependency drug
179	bg233h	Char	1	33h None of the above
180	bg234	Char	1	34 Were any of items 33a-g checked
181	bg235	Char	1	35 Any antidiabetic medications in past 6 months
182	bg235a	Char	1	35a Metformin
183	bg235b	Char	1	35b Acarbose
184	bg235c	Char	1	35c Acetohexamide
185	bg235d	Char	1	35d Chlorpropamide
186	bg235e	Char	1	35e Glimepiride
187	bg235f	Char	1	35f Glipizide
188	bg235g	Char	1	35g Glyburide
189	bg235h	Char	1	35h Insulin
190	bg235i	Char	1	35i Miglitol
191	bg235j	Char	1	35j Nateglinide
192	bg235k	Char	1	35k Pioglitazone
193	bg235l	Char	1	35l Repaglinide

Num	Variable	Type	Len	Label
194	bg235m	Char	1	35m Rosiglitazone
195	bg235n	Char	1	35n Tolazamide
196	bg235o	Char	1	35o Tolbutamide
197	bg235p	Char	1	35p Other antidiabetic medications
198	bg235ps	Char	35	35p Specify other antidiabetic medications
199	bg236	Char	1	36 Used any cardiovascular/antihypertensive meds
200	bg236a	Char	1	36a Amlodipine besylate
201	bg236b	Char	1	36b Aspirin - 81mg
202	bg236c	Char	1	36c Atenolol
203	bg236d	Char	1	36d Benazepril
204	bg236e	Char	1	36e Captopril
205	bg236f	Char	1	36f Clonidine
206	bg236g	Char	1	36g Digoxin
207	bg236h	Char	1	36h Diltiazem
208	bg236i	Char	1	36i Doxazosin
209	bg236j	Char	1	36j Enalapril
210	bg236k	Char	1	36k Felodipine
211	bg236l	Char	1	36l Furosemide
212	bg236m	Char	1	36m Hydrochlorothiazide
213	bg236n	Char	1	36n Hydrochlorothiazide + triamterene
214	bg236o	Char	1	36o Lisinopril
215	bg236p	Char	1	36p Losartan potassium
216	bg236q	Char	1	36q Losartan potassium w/hydrochlorothiazide
217	bg236r	Char	1	36r Metoprolol
218	bg236s	Char	1	36s Nifedipine
219	bg236t	Char	1	36t Perhexiline maleate
220	bg236u	Char	1	36u Propranolol
221	bg236v	Char	1	36v Quinapril
222	bg236w	Char	1	36w Terazosin
223	bg236x	Char	1	36x Timolol maleate
224	bg236y	Char	1	36y Valsartan
225	bg236z	Char	1	36z Verapamil
226	bg236aa	Char	1	36aa Other
227	bg236aas	Char	35	36aa Specify other
228	bg236ab	Char	1	36ab Other
229	bg236abs	Char	35	36ab Specify other
230	bg237	Char	1	37 Any antihyperlipidemic meds in past 6 mos
231	bg237a	Char	1	37a Atorvastatin
232	bg237b	Char	1	37b Colestipol hydrochloride

Num	Variable	Type	Len	Label
233	bg237c	Char	1	37c Clofibrate
234	bg237d	Char	1	37d Gemfibrozil
235	bg237e	Char	1	37e Fenofibrate
236	bg237f	Char	1	37f Fluvastatine sodium
237	bg237g	Char	1	37g Lovastatin
238	bg237h	Char	1	37h Nicotinic acid
239	bg237i	Char	1	37i Provastatin sodium
240	bg237j	Char	1	37j Rosuvastatin
241	bg237k	Char	1	37k Simvastatin
242	bg237l	Char	1	37l Other
243	bg237ls	Char	35	37l Specify other
244	bg238	Char	1	38 Any vitamins in past 6 months
245	bg238a	Char	1	38a Vitamin B
246	bg238b	Char	1	38b Vitamin C
247	bg238c	Char	1	38c Vitamin D
248	bg238d	Char	1	38d Vitamin E
249	bg238e	Char	1	38e Multivitamin
250	bg238f	Char	1	38f Other vitamins
251	bg238fs	Char	35	38f Specify other vitamins
252	bg239	Char	1	39 Any supplements in past 6 months
253	bg239a	Char	1	39a Alpha-lipoic acid
254	bg239b	Char	1	39b Alpha-tocopherol
255	bg239c	Char	1	39c Beta-carotene
256	bg239d	Char	1	39d Betaine
257	bg239e	Char	1	39e Calcium
258	bg239f	Char	1	39f Carnitine
259	bg239g	Char	1	39g Chondroitin
260	bg239h	Char	1	39h Choline+...+pyridoxine
261	bg239i	Char	1	39i Cod liver oil
262	bg239j	Char	1	39j Coenzyme Q
263	bg239k	Char	1	39k Dichloroacetate
264	bg239l	Char	1	39l Echinacea
265	bg239m	Char	1	39m Fish oil
266	bg239n	Char	1	39n Flax seed oil
267	bg239o	Char	1	39o Garlic
268	bg239p	Char	1	39p Ginko biloba
269	bg239q	Char	1	39q Glucosamine
270	bg239r	Char	1	39r Lecithin
271	bg239s	Char	1	39s Magnesium

Num	Variable	Type	Len	Label
272	bg239t	Char	1	39t N-acetyl-cysteine
273	bg239u	Char	1	39u Potassium
274	bg239v	Char	1	39v Saw palmetto
275	bg239w	Char	1	39w Selenium
276	bg239x	Char	1	39x St John's Wort
277	bg239y	Char	1	39y Taurine
278	bg239z	Char	1	39z Zinc picolinate
279	bg239aa	Char	1	39aa Other supplement
280	bg239aas	Char	35	39aa Specify other supplement
281	bg239ab	Char	1	39ab Other supplement
282	bg239abs	Char	35	39ab Specify other supplement
283	bg240	Char	1	40 Other medications
284	bg240a	Char	1	40a Isotretinoin
285	bg240b	Char	1	40b Levothyroxine
286	bg240c	Char	1	40c Liothyronine
287	bg240d	Char	1	40d Penicillamine
288	bg240e	Char	1	40e Trientine hydrochloride
289	bg240f	Char	1	40f Other
290	bg240fs	Char	35	40f Specify other
291	bg240g	Char	1	40g Other
292	bg240gs	Char	35	40g Specify other
293	bg240h	Char	1	40h Other
294	bg240i	Char	1	40i Other
295	bg240is	Char	35	40i Specify other
296	bg240j	Char	1	40j Other
297	bg240js	Char	35	40j Specify other
298	bg240k	Char	1	40k Other
299	formdate	Num	8	4 Form date (days since randomization)
300	bg209	Num	8	9 Date of liver biopsy (days since randomization)
301	bg210	Num	8	10 Last date for randomizing (liver biopsy+90 days) (days since randomization)

Data Set Name: cg.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	form	Char	4	6 Form/revision
3	study	Char	1	7 Study
4	curr_consent	Char	1	Consent to current genetic NAFLD research, 1=yes, 2=no
5	fut_consent	Char	1	Consent to future genetic NAFLD research, 1=yes, 2=no
6	fut_non_nafl_d_cons	Char	1	Consent to future genetic non-NAFLD research, 1=yes, 2=no
7	consent	Char	1	Consented to collection of blood for DNA banking, 1=yes, 2=no

Data Set Name: cr.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	cr210	Char	2	10 Biopsy length
6	cr211	Char	1	11 Tissue adequate
7	cr213a	Char	1	13a Steatosis grade
8	cr213b	Char	1	13b Steatosis location
9	cr213c	Char	1	13c Type of macrovesicular steatosis
10	cr213d	Char	1	13d Microvesicular steatosis, contiguous
11	cr214a	Char	1	14a Amount of lobular inflammation
12	cr214b	Char	1	14b Microgranulomas seen
13	cr214c	Char	1	14c Large lipogranulomas seen
14	cr214d	Char	1	14d Amount of portal, chronic inflammation
15	cr215a	Char	1	15a Ballooning
16	cr215b	Char	1	15b Severe ballooning present
17	cr215c	Char	1	15c Classical balloon cells present
18	cr215d	Char	1	15d Acidophil bodies
19	cr215e	Char	1	15e Pigmented macrophages
20	cr215f	Char	1	15f Megamitochondria
21	cr216	Char	1	16 Mallory bodies
22	cr217	Char	1	17 Glycogen nuclei
23	cr218	Char	1	18 Glycogenosis
24	cr219a	Char	2	19a Fibrosis stage
25	cr219b	Char	1	19b Perisinusoidal fibrosis stage
26	cr219c	Char	1	19c Predominant location of fibrosis
27	cr220a	Char	1	20a Hepatocellular iron grade
28	cr220b	Char	1	20b Hepatocellular iron distribution
29	cr220c	Char	1	20c Nonhepatocellular iron grade
30	cr220d	Char	1	20d Nonhepatocellular iron distribution
31	cr221	Char	2	21 Is this steatohepatitis
32	cr222	Char	1	22 Is cirrhosis present
33	cr223	Char	1	23 Is this cryptogenic cirrhosis
34	cr224a	Char	1	24a Mallory-Denk bodies (r/o cholate stasis)
35	cr224b	Char	1	24b Perisinusoidal fibrosis away from septa
36	cr224c	Char	1	24c Hepatocyte ballooning
37	cr224d	Char	1	24d Megamitochondria

Num	Variable	Type	Len	Label
38	cr224e	Char	1	24e Other
39	formdate	Num	8	4 Form date (days since randomization)
40	cr208	Num	8	8 Date of biopsy

Data Set Name: cv.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	cv108	Char	1	8 First smoking history on CV form
6	cv109	Char	1	9 Ever smoked tobacco cigarettes
7	cv110	Char	1	10 Regular cigarette smoker
8	cv111	Char	2	11 Age started regular cigarette smoking
9	cv112	Char	2	12 Age last stopped cigarette smoking
10	cv113	Char	3	13 Cigarettes/day smoked on average
11	cv114	Char	1	14 Current cigarette smoker
12	cv115	Char	1	15 Gender
13	cv116	Char	2	16 Current age
14	cv117	Char	3	17 Total cholesterol (mg/dL)
15	cv118	Char	3	18 HDL cholesterol (mg/dL)
16	cv119	Char	3	19 LDL cholesterol (mg/dL)
17	cv120	Char	3	20 Systolic BP (mmHg)
18	cv121	Char	3	21 Diastolic BP (mmHg)
19	cv122	Char	1	22 Current treatment for high blood pressure
20	cv123	Char	1	23 Family member diagnosed with early heart dx
21	cv124a	Char	3	24a Age score (range -09 to +16)
22	cv124b	Char	2	24b Total cholesterol score (range 00 to 13)
23	cv124c	Char	1	24c Smoking score (range 0 to 9)
24	cv124d	Char	2	24d HDL score (range -1 to +2)
25	cv124e	Char	1	24e Systolic BP score (range 0 to 6)
26	cv125	Char	3	25 Point total (range -10 to +46)
27	cv126	Char	2	10 year risk of heart disease (%)
28	cv127	Char	1	27 Diagnosed with type 1 or type 2 diabetes
29	cv128	Char	1	28 Diagnosed with atherosclerotic disease
30	cv128a	Char	1	28a Clinical CHD
31	cv128b	Char	1	28b Symptomatic carotid artery disease
32	cv128c	Char	1	28c Peripheral arterial disease
33	cv128d	Char	1	28d Abdominal aortic aneurysm
34	cv129	Char	1	29 Yes to item 27 or 28
35	cv130	Char	1	30 Is 10-year risk (item 26) 22% or more
36	cv131	Char	1	31 Is LDL cholesterol (item 19) < 100 mg/dL
37	cv132	Char	1	32 Is LDL cholesterol (item 19) > 130 mg/dL

Num	Variable	Type	Len	Label
38	cv133a	Char	1	33a Current cigarette smoking
39	cv133b	Char	1	33b SBP>= 140 or DBP>=90 or using meds
40	cv133c	Char	1	33c HDL < 40 mg/dL
41	cv133d	Char	1	33d Family hx of premature CHD
42	cv133e	Char	1	33e AGE: men>44, women>54
43	cv133f	Char	1	33f HDL >=60 mg/dL
44	cv134	Char	1	34 Total CHD risk factors
45	cv135	Char	1	35 Total CHD risk factors>1
46	cv136	Char	1	36 LDL < 130 mg/dL
47	cv137	Char	1	37 LDL >=160 mg/dL or 10-yr risk 10-20%
48	cv138	Char	1	38 LDL >=190 mg/dL
49	cv139	Char	1	39 160<= LDL <190 mg/dL
50	cv140a	Char	1	40a Myocardial infarction
51	cv140b	Char	1	40b Angina
52	cv140c	Char	1	40c Stroke
53	cv140d	Char	1	40d Cerebrovascular disease
54	cv140e	Char	1	40e Coronary artery disease
55	cv140f	Char	1	40f Congestive heart failure
56	cv140g	Char	1	40g Peripheral vascular disease
57	cv140h	Char	1	40h Other cardiovascular disease
58	cv140hs	Char	35	40h Specify other cardiovascular disease
59	cv140i	Char	1	40i None of the above
60	formdate	Num	8	4 Form date (days since randomization)

Data Set Name: dr.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	dr109a	Char	1	9a Patient's family
6	dr109b	Char	1	9b Friend
7	dr109c	Char	1	9c Health care provider or NASH CRN staff
8	dr109d	Char	1	9d Newspaper
9	dr109e	Char	1	9e Funeral parlor/home
10	dr109f	Char	1	9f Medical record
11	dr109g	Char	1	9g Medical examiner
12	dr109h	Char	1	9h Coroner
13	dr109i	Char	1	9i Other
14	dr111	Char	1	11 Cause of death
15	dr111s	Char	35	11 Specify other cause
16	dr111t	Char	35	11 Specify other cause
17	formdate	Num	8	4 Form date (days since randomization)
18	dr108	Num	8	8 Date of death (days since randomization)

Data Set Name: figure1.sas7bdat

Num	Variable	Type	Len	Format	Label
1	ID	Char	4		FLINT Limited Use Dataset ID number
2	EXCL_REA	Char	1		Reason for not participating in FLINT
3	TX	Char	4		Treatment group
4	MISS_REA	Char	11		Reason for missing F72 biopsy
5	IMPROVE_	Num	8	BEST12.	Primary outcome in pts at risk 0=no 1=ye

Data Set Name: figure2.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	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: hi.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	hi209	Char	3	9 Visit code of last followup medical history
6	hi210	Char	1	10 Liver biopsy since last visit
7	hi211	Char	1	11 How often had alcoholic drink
8	hi212	Char	1	12 Number of drinks on a typical day when drinking
9	hi213	Char	1	13 How often had 6 or more drinks
10	hi214a	Char	1	14a Diabetes type 1
11	hi214b	Char	1	14b Diabetes type 2
12	hi214c	Char	1	14c Chronic hepatitis B
13	hi214d	Char	1	14d Hepatitis C
14	hi214e	Char	1	14e Active autoimmune hepatitis
15	hi214f	Char	1	14f Autoimmune cholestatic liver disorder
16	hi214g	Char	1	14g Wilson's disease
17	hi214h	Char	1	14h Alpha-1-antitrypsin (A1AT) deficiency
18	hi214i	Char	1	14i Glycogen storage disease
19	hi214j	Char	1	14j Iron overload
20	hi214k	Char	1	14k Hemochromatosis
21	hi214l	Char	1	14l Polycystic liver disease
22	hi214m	Char	1	14m Biliary diversion
23	hi214n	Char	1	14n Primary sclerosing cholangitis
24	hi214o	Char	1	14o Drug induced liver disease
25	hi214p	Char	1	14p Bile duct obstruction
26	hi214q	Char	1	14q Gilbert's syndrome
27	hi214r	Char	1	14r Esophageal or gastric varices on endoscopy
28	hi214s	Char	1	14s Bleeding from varices
29	hi214t	Char	1	14t Other gastrointestinal bleeding
30	hi214u	Char	1	14u Ascites
31	hi214v	Char	1	14v Edema
32	hi214w	Char	1	14w Hepatic encephalopathy
33	hi214x	Char	1	14x Portal hypertension
34	hi214y	Char	1	14y Hepatorenal syndrome
35	hi214z	Char	1	14z Hepatopulmonary syndrome
36	hi214aa	Char	1	14aa Short bowel syndrome
37	hi214ab	Char	1	14ab Hemophilia

Num	Variable	Type	Len	Label
38	hi214ac	Char	1	14ac HIV positive
39	hi214ad	Char	1	14ad Systemic autoimmune disorder
40	hi214ae	Char	1	14ae Endocrine disease
41	hi214af	Char	1	14af Hepatocellular carcinoma
42	hi214ag	Char	1	14ag Other malignancy
43	hi214ah	Char	1	14ah Peripheral neuropathy
44	hi214ai	Char	1	14ai Seizure disorder or epilepsy
45	hi214aj	Char	1	14aj Drug allergies
46	hi214ak	Char	1	14ak Hypothyroidism
47	hi214al	Char	1	14al Hypertension
48	hi214am	Char	1	14am Cerebrovascular disease
49	hi214an	Char	1	14an Chronic cholestasis
50	hi214ao	Char	1	14ao Hyperlipidemia
51	hi214ap	Char	1	14ap Pancreatitis
52	hi214aq	Char	1	14aq Cholelithiasis
53	hi214ar	Char	1	14ar Coronary artery disease
54	hi214as	Char	1	14as Congestive heart failure
55	hi214at	Char	1	14at Elevated uric acid
56	hi214au	Char	1	14au Kidney disease
57	hi214av	Char	1	14av Polycystic ovary syndrome
58	hi214aw	Char	1	14aw Sleep apnea
59	hi214ax	Char	1	14ax Dermatologic disorders
60	hi214ay	Char	1	14ay Myopathy
61	hi214az	Char	1	14az Myositis
62	hi214ba	Char	1	14ba Major depression
63	hi214bb	Char	1	14bb Schizophrenia
64	hi214bc	Char	1	14bc Bipolar disorder
65	hi214bd	Char	1	14bd Obsessive compulsive disorder
66	hi214be	Char	1	14be Severe anxiety or personality disorder
67	hi214bf	Char	1	14bf Substance abuse
68	hi214bg	Char	1	14bg Other diagnosis
69	hi214bgs	Char	35	14bg Specify other diagnosis
70	hi214bh	Char	1	14bh None of the above
71	hi215a	Char	1	15a Stapling of the stomach
72	hi215b	Char	1	15b Jejunioileal bypass
73	hi215c	Char	1	15c Biliopancreatic diversion
74	hi215d	Char	1	15d Other GI or bariatric surgery
75	hi215ds	Char	35	15d Specify other
76	hi215e	Char	1	15e None of the above

Num	Variable	Type	Len	Label
77	hi216	Char	1	16 Undergoing evaluation for bariatric surgery
78	hi217a	Char	1	17a Liver transplant since last visit
79	hi217b	Char	1	17b Any other transplant since last visit
80	hi218	Char	1	18 Been hospitalized since the last visit
81	hi218s	Char	35	18 Specify reason for hospitalization
82	hi218t	Char	35	18 Specify reason for hospitalization
83	hi218a	Char	2	18a Number of hospitalizations
84	hi218b	Char	2	18b Number of Emergency Room visits
85	hi219	Char	1	19 Serious health problem not already reported
86	hi219s	Char	35	19 Specify other serious health problem
87	hi219t	Char	35	19 Specify other serious health problem
88	hi220	Char	1	20 Used any NAFLD drugs since last visit
89	hi220a	Char	1	20a Amiodarone
90	hi220b	Char	1	20b Demeclocycline
91	hi220c	Char	1	20c Divalproex
92	hi220d	Char	1	20d Doxycycline
93	hi220e	Char	1	20e Methotrexate
94	hi220f	Char	1	20f Minocycline
95	hi220g	Char	1	20g Oxytetracycline
96	hi220h	Char	1	20h Tetracycline
97	hi220i	Char	1	20i Valproate sodium
98	hi220j	Char	1	20j Valproic acid
99	hi220k	Char	1	20k Other known hepatotoxin - 1
100	hi220ks	Char	35	20k Specify other
101	hi220l	Char	1	20l Other known hepatotoxin - 2
102	hi220ls	Char	35	20l Specify other
103	hi220m	Char	1	20m Other known hepatotoxin - 3
104	hi220ms	Char	35	20m Specify other
105	hi221	Char	1	21 Any systemic glucocorticoids since last visit
106	hi221a	Char	1	21a Betamethasone sodium
107	hi221b	Char	1	21b Cortisol
108	hi221c	Char	1	21c Cortisone
109	hi221d	Char	1	21d Dexamethasone
110	hi221e	Char	1	21e Hydrocortisone
111	hi221f	Char	1	21f Methylprednisolone
112	hi221g	Char	1	21g Prednisolone
113	hi221h	Char	1	21h Prednisone
114	hi221i	Char	1	21i Triamcinolone
115	hi221j	Char	1	21j Other systemic glucocorticoids

Num	Variable	Type	Len	Label
116	hi221js	Char	35	21j Specify other
117	hi221k	Char	1	21k Other systemic glucocorticoids
118	hi221ks	Char	35	21k Specify other
119	hi222	Char	1	22 Any estrogen, hormones, ... since last visit
120	hi222a	Char	1	22a Boldenone undecylenate
121	hi222b	Char	1	22b Conjugated estrogen
122	hi222c	Char	1	22c Diethylstilbestrol and methyltestosterone
123	hi222d	Char	1	22d Esterified estrogen
124	hi222e	Char	1	22e Estradiol
125	hi222f	Char	1	22f Ethinyl estradiol
126	hi222g	Char	1	22g Fluoxymesterone
127	hi222h	Char	1	22h Levonorgestrel
128	hi222i	Char	1	22i Medroxyprogesterone
129	hi222j	Char	1	22j Megestrol
130	hi222k	Char	1	22k Methandrostenolone
131	hi222l	Char	1	22l Methyltestosterone
132	hi222m	Char	1	22m Nandrolone
133	hi222n	Char	1	22n Norethindrone
134	hi222o	Char	1	22o Norgestrel
135	hi222p	Char	1	22p Oral contraceptives
136	hi222q	Char	1	22q Oxandrolone
137	hi222r	Char	1	22r Oxymetholone
138	hi222s	Char	1	22s Progesterone
139	hi222t	Char	1	22t Raloxifene
140	hi222u	Char	1	22u Stanzolol
141	hi222v	Char	1	22v Tamoxifen
142	hi222w	Char	1	22w Testosterone
143	hi222x	Char	1	22x Other
144	hi222xs	Char	35	22x Specify other
145	hi222y	Char	1	22y Other
146	hi222ys	Char	35	22y Specify other
147	hi223	Char	1	23 Any anti-NASH drugs since last visit
148	hi223a	Char	1	23a Betaine
149	hi223b	Char	1	23b Choline+methionine+...+pyridoxine
150	hi223c	Char	1	23c Ursodeoxycholic acid
151	hi223d	Char	1	23d S-adenylmethionine
152	hi223e	Char	1	23e Milk thistle
153	hi223f	Char	1	23f Probiotics
154	hi223g	Char	1	23g Other antiNASH drug

Num	Variable	Type	Len	Label
155	hi223gs	Char	35	23g Specify other antiNASH drug
156	hi224	Char	1	24 Thiazolidinedione since last visit
157	hi225	Char	1	25 Any anti-obesity drugs since last visit
158	hi225a	Char	1	25a Dexfenfluramine hydrochloride
159	hi225b	Char	1	25b Fenfluramine hydrochloride
160	hi225c	Char	1	25c Methamphetamine hydrochloride
161	hi225d	Char	1	25d Orlistat
162	hi225e	Char	1	25e Phendimetrazine tartrate
163	hi225f	Char	1	25f Phentermine hydrochloride
164	hi225g	Char	1	25g Sibutramine hydrochloride monohydrate
165	hi225h	Char	1	25h Other
166	hi225hs	Char	35	25h Specify other
167	hi225i	Char	1	25i Other
168	hi225is	Char	35	25i Specify other
169	hi226	Char	1	26 Any alcohol/drug abuse medications since last visit
170	hi226a	Char	1	26a Chlordiazepoxide
171	hi226b	Char	1	26b Clorazepate dipotassium
172	hi226c	Char	1	26c Diazepam
173	hi226d	Char	1	26d Disulfiram
174	hi226e	Char	1	26e Hydroxyzine pamoate
175	hi226f	Char	1	26f Naltrexone hydrochloride
176	hi226g	Char	1	26g Other antidependency drug
177	hi226gs	Char	35	26g Specify other antidependency drug
178	hi227	Char	1	27 Any antidiabetic medications since last visit
179	hi227a	Char	1	27a Metformin
180	hi227c	Char	1	27c Acarbose
181	hi227d	Char	1	27d Acetohexamide
182	hi227e	Char	1	27e Chlorpropamide
183	hi227f	Char	1	27f Glimepiride
184	hi227g	Char	1	27g Glipizide
185	hi227h	Char	1	27h Glyburide
186	hi227i	Char	1	27i Insulin
187	hi227j	Char	1	27j Miglitol
188	hi227k	Char	1	27k Nateglinide
189	hi227l	Char	1	27l Pioglitazone
190	hi227m	Char	1	27m Repaglinide
191	hi227n	Char	1	27n Rosiglitazone
192	hi227o	Char	1	27o Tolazamide
193	hi227p	Char	1	27p Tolbutamide

Num	Variable	Type	Len	Label
194	hi227q	Char	1	27q Other antidiabetic medications
195	hi227qs	Char	35	27q Specify other antidiabetic medications
196	hi228	Char	1	28 Used any cardiovascular/antihypertensive meds
197	hi228a	Char	1	28a Amlodipine besylate
198	hi228b	Char	1	28b Aspirin - 81mg
199	hi228c	Char	1	28c Atenolol
200	hi228d	Char	1	28d Benazepril
201	hi228e	Char	1	28e Captopril
202	hi228f	Char	1	28f Clonidine
203	hi228g	Char	1	28g Digoxin
204	hi228h	Char	1	28h Diltiazem
205	hi228i	Char	1	28i Doxazosin
206	hi228j	Char	1	28j Enalapril
207	hi228k	Char	1	28k Felodipine
208	hi228l	Char	1	28l Furosemide
209	hi228m	Char	1	28m Hydrochlorothiazide
210	hi228n	Char	1	28n Hydrochlorothiazide + triamterene
211	hi228o	Char	1	28o Lisinopril
212	hi228p	Char	1	28p Losartan potassium
213	hi228q	Char	1	28q Losartan potassium w/hydrochlorothiazide
214	hi228r	Char	1	28r Metoprolol
215	hi228s	Char	1	28s Nifedipine
216	hi228t	Char	1	28t Perhexiline maleate
217	hi228u	Char	1	28u Propranolol
218	hi228v	Char	1	28v Quinapril
219	hi228w	Char	1	28w Terazosin
220	hi228x	Char	1	28x Timolol maleate
221	hi228y	Char	1	28y Valsartan
222	hi228z	Char	1	28z Verapamil
223	hi228aa	Char	1	28aa Other
224	hi228aas	Char	35	28aa Specify other
225	hi228ab	Char	1	28ab Other
226	hi228abs	Char	35	28ab Specify other
227	hi229	Char	1	29 Any antihyperlipidemic meds since last visit
228	hi229a	Char	1	29a Atorvastatin
229	hi229b	Char	1	29b Colestipol hydrochloride
230	hi229c	Char	1	29c Clofibrate
231	hi229d	Char	1	29d Gemfibrozil
232	hi229e	Char	1	29e Fenofibrate

Num	Variable	Type	Len	Label
233	hi229f	Char	1	29f Fluvastatine sodium
234	hi229g	Char	1	29g Lovastatin
235	hi229h	Char	1	29h Nicotinic acid
236	hi229i	Char	1	29i Provastatin sodium
237	hi229j	Char	1	29j Rosuvastatin
238	hi229k	Char	1	29k Simvastatin
239	hi229l	Char	1	29l Other
240	hi229ls	Char	35	29l Specify other
241	hi230	Char	1	30 Any vitamins since last visit
242	hi230a	Char	1	30a Vitamin B
243	hi230b	Char	1	30b Vitamin C
244	hi230c	Char	1	30c Vitamin D
245	hi230d	Char	1	30d Vitamin E
246	hi230e	Char	1	30e Multivitamin
247	hi230f	Char	1	30f Other vitamins
248	hi230fs	Char	35	30f Specify other vitamins
249	hi231	Char	1	31 Any supplements since last visit
250	hi231a	Char	1	31a Alpha-lipoic acid
251	hi231b	Char	1	31b Alpha-tocopherol
252	hi231c	Char	1	31c Beta-carotene
253	hi231d	Char	1	31d Betaine
254	hi231e	Char	1	31e Calcium
255	hi231f	Char	1	31f Carnitine
256	hi231g	Char	1	31g Chondroitin
257	hi231h	Char	1	31h Choline+...+pyridoxine
258	hi231i	Char	1	31i Cod liver oil
259	hi231j	Char	1	31j Coenzyme Q
260	hi231k	Char	1	31k Dichloroacetate
261	hi231l	Char	1	31l Echinacea
262	hi231m	Char	1	31m Fish oil
263	hi231n	Char	1	31n Flax seed oil
264	hi231o	Char	1	31o Garlic
265	hi231p	Char	1	31p Ginko biloba
266	hi231q	Char	1	31q Glucosamine
267	hi231r	Char	1	31r Lecithin
268	hi231s	Char	1	31s Magnesium
269	hi231t	Char	1	31t N-acetyl-cysteine
270	hi231u	Char	1	31u Potassium
271	hi231v	Char	1	31v Saw palmetto

Num	Variable	Type	Len	Label
272	hi231w	Char	1	31w Selenium
273	hi231x	Char	1	31x St John's Wort
274	hi231y	Char	1	31y Taurine
275	hi231z	Char	1	31z Zinc picolinate
276	hi231aa	Char	1	31aa Other supplement
277	hi231aas	Char	35	31aa Specify other supplement
278	hi231ab	Char	1	31ab Other supplement
279	hi231abs	Char	35	31ab Specify other supplement
280	hi232	Char	1	32 Other medications
281	hi232a	Char	1	32a Isotretinoin
282	hi232b	Char	1	32b Levothyroxine
283	hi232c	Char	1	32c Liothyronine
284	hi232d	Char	1	32d Penicillamine
285	hi232e	Char	1	32e Trientine hydrochloride
286	hi232f	Char	1	32f Other
287	hi232fs	Char	35	32f Specify other
288	hi232g	Char	1	32g Other
289	hi232gs	Char	35	32g Specify other
290	hi232h	Char	1	32h Other
291	hi232hs	Char	35	32h Specify other
292	hi232i	Char	1	32i Other
293	hi232is	Char	35	32i Specify other
294	hi232j	Char	1	32j Other
295	hi232js	Char	35	32j Specify other
296	hi232k	Char	1	32k Other
297	hi232ks	Char	35	32k Specify other
298	formdate	Num	8	4 Form date (days since randomization)
299	hi208	Num	8	8 Date of last followup medical history

Data Set Name: ld.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	ld108	Char	1	8 Ever had at least one drink of alcohol...
6	ld109a	Char	2	9a Age when began regular drinking: years
7	ld109b	Char	2	9b Age when began regular drinking: months
8	ld110a	Char	2	10a Age at end of first stage: years
9	ld110b	Char	2	10b Age at end of first stage: months
10	ld111	Char	2	11 No. drinks on average per occasion
11	ld112	Char	2	12 No. days per month at this level
12	ld113	Char	2	13 Maximum number of drinks in one day
13	ld114a	Char	3	14 Beer (%)
14	ld114b	Char	3	14 Liquor (%)
15	ld114c	Char	3	14 Wine (%)
16	ld115	Char	1	15 Usual style of drinking
17	ld116	Char	1	16 Events that altered usual drinking habits
18	ld117a	Char	1	17a Marital/family
19	ld117b	Char	1	17b Work
20	ld117c	Char	1	17c School
21	ld117d	Char	1	17d Medical
22	ld117e	Char	1	17e Residence
23	ld117f	Char	1	17f Legal/jail
24	ld117g	Char	1	17g Financial
25	ld117h	Char	1	17h Peer group
26	ld117i	Char	1	17i Drug abuse
27	ld117j	Char	1	17j Treatment
28	ld117k	Char	1	17k Death
29	ld117l	Char	1	17l Emotional
30	ld118a	Char	3	18 Drink alone (%)
31	ld118b	Char	3	18 Drink with others (%)
32	ld119a	Char	3	19 Drink in the morning (%)
33	ld119b	Char	3	19 Drink in the afternoon (%)
34	ld119c	Char	3	19 Drink in the evening (%)
35	ld120	Char	1	20 Events in life changed drinking habits
36	ld121a	Char	2	21a Age at the beginning of phase: years
37	ld121b	Char	2	21b Age at the beginning of phase: months

Num	Variable	Type	Len	Label
38	ld122a	Char	2	22a Age at end of this phase: years
39	ld122b	Char	2	22b Age at end of this phase: months
40	ld123	Char	2	23 No. drinks on average per occasion
41	ld124	Char	2	24 No. days per month at this level
42	ld125	Char	2	25 Maximum number of drinks in one day
43	ld126a	Char	3	26 Beer (%)
44	ld126b	Char	3	26 Liquor (%)
45	ld126c	Char	3	26 Wine (%)
46	ld127	Char	1	27 Usual style of drinking
47	ld128	Char	1	28 Events that altered usual drinking habits
48	ld129a	Char	1	29a Marital/family
49	ld129b	Char	1	29b Work
50	ld129c	Char	1	29c School
51	ld129d	Char	1	29d Medical
52	ld129e	Char	1	29e Residence
53	ld129f	Char	1	29f Legal/jail
54	ld129g	Char	1	29g Financial
55	ld129h	Char	1	29h Peer group
56	ld129i	Char	1	29i Drug abuse
57	ld129j	Char	1	29j Treatment
58	ld129k	Char	1	29k Death
59	ld129l	Char	1	29l Emotional
60	ld130a	Char	3	30 Drink alone (%)
61	ld130b	Char	3	30 Drink with others (%)
62	ld131a	Char	3	31 Drink in the morning (%)
63	ld131b	Char	3	31 Drink in the afternoon (%)
64	ld131c	Char	3	31 Drink in the evening (%)
65	ld132	Char	1	32 Events in life changed drinking habits
66	ld133a	Char	2	33a Age at the beginning of phase: years
67	ld133b	Char	2	33b Age at the beginning of phase: months
68	ld134a	Char	2	34a Age at end of this phase: years
69	ld134b	Char	2	34b Age at end of this phase: months
70	ld135	Char	2	35 No. drinks on average per occasion
71	ld136	Char	2	36 No. days per month at this level
72	ld137	Char	2	37 Maximum number of drinks in one day
73	ld138a	Char	3	38 Beer (%)
74	ld138b	Char	3	38 Liquor (%)
75	ld138c	Char	3	38 Wine (%)
76	ld139	Char	1	39 Usual style of drinking

Num	Variable	Type	Len	Label
77	ld140	Char	1	40 Events that altered usual drinking habits
78	ld141a	Char	1	41a Marital/family
79	ld141b	Char	1	41b Work
80	ld141c	Char	1	41c School
81	ld141d	Char	1	41d Medical
82	ld141e	Char	1	41e Residence
83	ld141f	Char	1	41f Legal/jail
84	ld141g	Char	1	41g Financial
85	ld141h	Char	1	41h Peer group
86	ld141i	Char	1	41i Drug abuse
87	ld141j	Char	1	41j Treatment
88	ld141k	Char	1	41k Death
89	ld141l	Char	1	41l Emotional
90	ld142a	Char	3	42 Drink alone (%)
91	ld142b	Char	3	42 Drink with others (%)
92	ld143a	Char	3	43 Drink in the morning (%)
93	ld143b	Char	3	43 Drink in the afternoon (%)
94	ld143c	Char	3	43 Drink in the evening (%)
95	ld144	Char	1	44 Events that altered usual drinking habits
96	ld145a	Char	2	45a Age at the beginning of phase: years
97	ld145b	Char	2	45b Age at the beginning of phase: months
98	ld146a	Char	2	46a Age at end of this phase: years
99	ld146b	Char	2	46b Age at end of this phase: months
100	ld147	Char	2	47 No. drinks on average per occasion
101	ld148	Char	2	48 No. days per month at this level
102	ld149	Char	2	49 Maximum number of drinks in one day
103	ld150a	Char	3	50 Beer (%)
104	ld150b	Char	3	50 Liquor (%)
105	ld150c	Char	3	50 Wine (%)
106	ld151	Char	1	51 Usual style of drinking
107	ld152	Char	1	52 Events that altered usual drinking habits
108	ld153a	Char	1	53a Marital/family
109	ld153b	Char	1	53b Work
110	ld153c	Char	1	53c School
111	ld153d	Char	1	53d Medical
112	ld153e	Char	1	53e Residence
113	ld153f	Char	1	53f Legal/jail
114	ld153g	Char	1	53g Financial
115	ld153h	Char	1	53h Peer group

Num	Variable	Type	Len	Label
116	ld153i	Char	1	53i Drug abuse
117	ld153j	Char	1	53j Treatment
118	ld153k	Char	1	53k Death
119	ld153l	Char	1	53l Emotional
120	ld154a	Char	3	54 Drink alone (%)
121	ld154b	Char	3	54 Drink with others (%)
122	ld155a	Char	3	55 Drink in the morning (%)
123	ld155b	Char	3	55 Drink in the afternoon (%)
124	ld155c	Char	3	55 Drink in the evening (%)
125	ld156	Char	1	56 Events that altered usual drinking habits
126	ld157a	Char	2	57a Age at the beginning of phase: years
127	ld157b	Char	2	57b Age at the beginning of phase: months
128	ld158a	Char	2	58a Age at end of this phase: years
129	ld158b	Char	2	58b Age at end of this phase: months
130	ld159	Char	2	59 No. drinks on average per occasion
131	ld160	Char	2	60 No. days per month at this level
132	ld161	Char	2	61 Maximum number of drinks in one day
133	ld162a	Char	3	62 Beer (%)
134	ld162b	Char	3	62 Liquor (%)
135	ld162c	Char	3	62 Wine (%)
136	ld163	Char	1	63 Usual style of drinking
137	ld164	Char	1	64 Events that altered usual drinking habits
138	ld165a	Char	1	65a Marital/family
139	ld165b	Char	1	65b Work
140	ld165c	Char	1	65c School
141	ld165d	Char	1	65d Medical
142	ld165e	Char	1	65e Residence
143	ld165f	Char	1	65f Legal/jail
144	ld165g	Char	1	65g Financial
145	ld165h	Char	1	65h Peer group
146	ld165i	Char	1	65i Drug abuse
147	ld165j	Char	1	65j Treatment
148	ld165k	Char	1	65k Death
149	ld165l	Char	1	65l Emotional
150	ld166a	Char	3	66 Drink alone (%)
151	ld166b	Char	3	66 Drink with others (%)
152	ld167a	Char	3	67 Drink in the morning (%)
153	ld167b	Char	3	67 Drink in the afternoon (%)
154	ld167c	Char	3	67 Drink in the evening (%)

Num	Variable	Type	Len	Label
155	ld168	Char	1	68 Events that altered usual drinking habits
156	ld169a	Char	2	69a Age at the beginning of phase: years
157	ld169b	Char	2	69b Age at the beginning of phase: months
158	ld170a	Char	2	70a Age at end of this phase: years
159	ld170b	Char	2	70b Age at end of this phase: months
160	ld171	Char	2	71 No. drinks on average per occasion
161	ld172	Char	2	72 No. days per month at this level
162	ld173	Char	2	73 Maximum number of drinks in one day
163	ld174a	Char	3	74 Beer (%)
164	ld174b	Char	3	74 Liquor (%)
165	ld174c	Char	3	74 Wine (%)
166	ld175	Char	1	75 Usual style of drinking
167	ld176	Char	1	76 Events that altered usual drinking habits
168	ld177a	Char	1	77a Marital/family
169	ld177b	Char	1	77b Work
170	ld177c	Char	1	77c School
171	ld177d	Char	1	77d Medical
172	ld177e	Char	1	77e Residence
173	ld177f	Char	1	77f Legal/jail
174	ld177g	Char	1	77g Financial
175	ld177h	Char	1	77h Peer group
176	ld177i	Char	1	77i Drug abuse
177	ld177j	Char	1	77j Treatment
178	ld177k	Char	1	77k Death
179	ld177l	Char	1	77l Emotional
180	ld178a	Char	3	78 Drink alone (%)
181	ld178b	Char	3	78 Drink with others (%)
182	ld179a	Char	3	79 Drink in the morning (%)
183	ld179b	Char	3	79 Drink in the afternoon (%)
184	ld179c	Char	3	79 Drink in the evening (%)
185	ld180	Char	1	80 Additional phases
186	formdate	Num	8	4 Form date (days since randomization)

Data Set Name: lr.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	lr108	Num	8	8 Hematology required at this visit
6	lr110	Num	8	10 Hemoglobin (g/dL)
7	lr111	Num	8	11 Hematocrit (%)
8	lr112	Num	8	12 Mean corpuscular volume (MCV) (fL)
9	lr113	Num	8	13 White blood cell count (WBC) (10 ³ cells/uL)
10	lr114	Num	8	14 Platelet count (cells/mm ³)
11	lr115	Num	8	15 Metabolic panel required at this visit
12	lr117	Num	8	17 Sodium (mEq/L)
13	lr118	Num	8	18 Potassium (mEq/L)
14	lr119	Num	8	19 Chloride (mEq/L)
15	lr120	Num	8	20 Bicarbonate (mEq/L)
16	lr121	Num	8	21 Calcium (mg/dL)
17	lr122	Num	8	22 Phosphate (mg/dL)
18	lr123	Num	8	23 Blood urea nitrogen (BUN) (mg/dL)
19	lr124	Num	8	24 Creatinine (mg/dL)
20	lr125	Num	8	25 Uric acid (mg/dL)
21	lr126	Num	8	26 Albumin (g/dL)
22	lr127	Num	8	27 Total protein (g/dL)
23	lr128	Num	8	28 PT and INR required at this visit
24	lr130	Num	8	30 Prothrombin time (PT) (sec)
25	lr131	Num	8	31 International normalized ratio (INR)
26	lr132	Num	8	32 HbA1c required at this visit
27	lr134	Num	8	34 HbA1c (%)
28	lr136	Num	8	36 Bilirubin (total) (mg/dL)
29	lr137	Num	8	37 Bilirubin (conjugated or direct) (mg/dL)
30	lr138	Num	8	38 Aspartate aminotransferase (AST) (U/L)
31	lr138a	Num	8	38a AST upper limit of normal (U/L)
32	lr139	Num	8	39 Alanine aminotransferase (ALT) (U/L)
33	lr139a	Num	8	39a ALT upper limit of normal (U/L)
34	lr140	Num	8	40 Alkaline phosphatase (U/L)
35	lr140a	Num	8	40a Alkaline phosphatase ULN (U/L)
36	lr141	Num	8	41 Gamma glutamyl transferase (GGT) (U/L)
37	lr142	Num	8	42 Fasting for at least 8 hours

Num	Variable	Type	Len	Label
38	lr143a	Num	8	43a Triglycerides (mg/dL)
39	lr143b	Num	8	43b Total cholesterol (mg/dL)
40	lr143c	Num	8	43c HDL cholesterol (mg/dL)
41	lr143d	Num	8	43d LDL cholesterol (mg/dL)
42	lr144	Num	8	44 Fasting for at least 8 hours
43	lr146a	Num	8	46a Baseline serum glucose (mg/dL)
44	lr146b	Num	8	46b Baseline serum insulin (umol/mL)
45	lr147	Num	8	47 OGGT required at this visit
46	lr148a	Num	8	48a 2Hr serum glucose (mg/dL)
47	lr148b	Num	8	48b 2Hr serum insulin (umol/mL)
48	lr149	Num	8	49 Pregnancy test applicable
49	lr151	Num	8	51 Pregnancy test results
50	lr152	Num	8	52 Screening visit
51	lr153	Num	8	53 Patient is ineligible
52	formdate	Num	8	4 Form date (days since randomization)
53	lr109	Num	8	9 Date of blood draw for CBC (days since randomization)
54	lr116	Num	8	16 Date of blood draw for chemistries (days since randomization)
55	lr129	Num	8	29 Date of blood draw for INR and PT (days since randomization)
56	lr133	Num	8	33 Date of blood draw for HbA1c (days since randomization)
57	lr135	Num	8	35 Date of blood draw for liver panel (days since randomization)
58	lr143	Num	8	43 Date of blood draw for fasting lipid profile (days since randomization)
59	lr145	Num	8	45 Date of blood draw for fasting glucose/OGTT (days since randomization)
60	lr150	Num	8	50 Date of urine collection/blood draw (days since randomization)

Data Set Name: ls.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	Is108a	Num	8	8a Hepatitis B surface antigen (HBsAg)
6	Is108b	Num	8	8b Hepatitis B core total antibody (anti-HBc)
7	Is108c	Num	8	8c Hepatitis B surface antibody (anti-HBs)
8	Is108d	Num	8	8d Hepatitis C virus RNA (HCV RNA)
9	Is108e	Num	8	8e Hepatitis C antibody (anti-HCV)
10	Is109a	Num	8	9a Iron (ug/dL)
11	Is109b	Num	8	9b Total iron binding capacity (ug/dL)
12	Is109c	Num	8	9c Ferritin (ng/ml)
13	Is110	Num	8	10 Hepatic iron index available
14	Is111	Num	8	11 Hepatic iron index (umol/g/year)
15	Is112	Num	8	12 Iron overload abnormality
16	Is114	Num	8	14 Type of iron load abnormality
17	Is115	Num	8	15 Patient 40 or younger
18	Is117	Num	8	17 Ceruloplasmin (mg/dL)
19	Is117a	Num	8	17a Ceruloplasmin ULN (mg/dL)
20	Is117b	Num	8	17b Ceruloplasmin LLN (mg/dL)
21	Is117c	Num	8	17c Ceruloplasmin < LLN
22	Is119	Num	8	19 Alpha-1 antitrypsin concentration (mg/dL)
23	Is119a	Num	8	19a AIAT ULN (mg/dL)
24	Is119b	Num	8	19b AIAT LLN (mg/dL)
25	Is120a	Num	8	20a AIAT pheontype: Pi Z heterozygote
26	Is120b	Num	8	20b AIAT pheontype: Pi ZZ homozygote
27	Is121	Num	8	21 AIAT deficiency contributing to liver dx
28	Is123	Num	8	23 Antinuclear antibody (ANA)
29	Is123a	Num	8	23a ANA titer (only the denominator, 1/____)
30	Is123b	Num	8	23b ANA units
31	Is125	Num	8	25 Antismooth muscle antibody (ASMA)
32	Is125a	Num	8	25a ASMA titer (only the denominator, 1/____)
33	Is125b	Num	8	25b ASMA units
34	Is127	Num	8	27 Antimitochondrial antibody (AMA)
35	Is127a	Num	8	27a AMA titer (only the denominator, 1/____)
36	Is127b	Num	8	27b AMA units
37	formdate	Num	8	4 Form date (days since randomization)

Num	Variable	Type	Len	Label
38	Is108	Num	8	8 Date of blood draw for serological assays (days since randomization)
39	Is109	Num	8	9 Date of blood draw for iron overload screening (days since randomization)
40	Is113	Num	8	13 Date of blood draw for HFE gene analysis (days since randomization)
41	Is116	Num	8	16 Date of blood draw for ceruloplasmin (days since randomization)
42	Is118	Num	8	18 Date of blood draw for alpha-1 antitrypsin (A1AT) (days since randomization)
43	Is122	Num	8	22 Date of blood draw for antinuclear antibody (ANA) (days since randomization)
44	Is124	Num	8	24 Date of blood draw for anti-smooth muscle antibody (ASMA) (days since randomization)
45	Is126	Num	8	26 Date of blood draw for antimitochondrial antibody (AMA) (days since randomization)

Data Set Name: pe.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	pe108a	Num	8	8a Height (1st measurement)
6	pe108b	Num	8	8b Height (2nd measurement)
7	pe108c	Num	8	8c Units of height measurement
8	pe109a	Num	8	9a Weight (1st measurement)
9	pe109b	Num	8	9b Weight (2nd measurement)
10	pe109c	Num	8	9c Units of weight measurement
11	pe110a	Num	8	10a Waist circumference (1st measurement)
12	pe110b	Num	8	10b Waist circumference (2nd measurement)
13	pe110c	Num	8	10c Units for waist measurement
14	pe111a	Num	8	11a Hip circumference (1st measurement)
15	pe111b	Num	8	11b Hip circumference (2nd measurement)
16	pe111c	Num	8	11c Units for hip measurement
17	pe112a	Num	8	12a Temperature (degrees)
18	pe112b	Num	8	12b Scale for temperature
19	pe113a	Num	8	13a Systolic BP (mmHg)
20	pe113b	Num	8	13b Diastolic BP (mmHg)
21	pe114	Num	8	14 Resting radial pulse (beats/min)
22	pe115	Num	8	15 Respiratory rate (breaths/min)
23	pe116	Num	8	16 Chest and lungs
24	pe116s	Char	35	16 Specify chest and lungs abnormality
25	pe117	Num	8	17 Heart
26	pe117s	Char	75	17 Specify heart abnormality
27	pe118a	Num	8	18a No abdomen abnormalities
28	pe118b	Num	8	18b Ascites
29	pe118c	Num	8	18c Obese
30	pe118d	Num	8	18d Splenomegaly
31	pe118e	Num	8	18e Hepatomegaly
32	pe118es	Num	8	18e Span from rt midclavicular line
33	pe119a	Num	8	19a No focused liver signs
34	pe119b	Num	8	19b Jaundice
35	pe119c	Num	8	19c Palmar erythema
36	pe119d	Num	8	19d Conratures
37	pe119e	Num	8	19e Pedal edema

Num	Variable	Type	Len	Label
38	pe119f	Num	8	19f Spider angiomata
39	pe119g	Num	8	19g Asterixis
40	pe119h	Num	8	19h Hepatic encephalopathy
41	pe119i	Num	8	19i Wasting
42	pe119j	Num	8	19j Fetor
43	pe119k	Num	8	19k Pruritis
44	pe119l	Num	8	19l Other focused liver sign
45	pe119ls	Char	75	19l Specify other focused liver sign
46	formdate	Num	8	4 Form date (days since randomization)

Data Set Name: pf.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	pf108a	Num	8	8a Height (1st measurement)
6	pf108b	Num	8	8b Height (2nd measurement)
7	pf108c	Num	8	8c Units of height measurement
8	pf109a	Num	8	9a Weight (1st measurement)
9	pf109b	Num	8	9b Weight (2nd measurement)
10	pf109c	Num	8	9c Units of weight measurement
11	pf110a	Num	8	10a Temperature (degrees)
12	pf110b	Num	8	10b Scale for temperature
13	pf111a	Num	8	11a Systolic BP (mmHg)
14	pf111b	Num	8	11b Diastolic BP (mmHg)
15	pf112	Num	8	12 Resting radial pulse (beats/min)
16	pf113	Num	8	13 Respiratory rate (breaths/min)
17	formdate	Num	8	4 Form date (days since randomization)

Data Set Name: qf.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	qf110	Char	1	10 In general, health is
6	qf111	Char	1	11 Rate health compared to one year ago
7	qf112a	Char	1	12a Limit vigorous activities
8	qf112b	Char	1	12b Limit moderate activities
9	qf112c	Char	1	12c Limit lifting/carrying groceries
10	qf112d	Char	1	12d Limit climbing several stair flights
11	qf112e	Char	1	12e Limit climbing one stair flight
12	qf112f	Char	1	12f Limit bending, kneeling, stooping
13	qf112g	Char	1	12g Limit walking more than a mile
14	qf112h	Char	1	12h Limit walking several hundred yards
15	qf112i	Char	1	12i Limit walking one hundred yards
16	qf112j	Char	1	12j Limit bathing/dressing self
17	qf113a	Char	1	13a Cut down time activities-health problem
18	qf113b	Char	1	13b Accomplished less than liked-health problem
19	qf113c	Char	1	13c Limited activities-health problem
20	qf113d	Char	1	13d Difficulty doing work/activities-health problem
21	qf114a	Char	1	14a Cut down activities-emotional problems
22	qf114b	Char	1	14b Accomplished less-emotional problems
23	qf114c	Char	1	14c Did activities less carefully-emotional problems
24	qf115	Char	1	15 Health/emotions interfere with social activities
25	qf116	Char	1	16 How much bodily pain in past 4 weeks
26	qf117	Char	1	17 Did pain interfere with normal work
27	qf118a	Char	1	18a Did you feel full of life
28	qf118b	Char	1	18b Have you been very nervous
29	qf118c	Char	1	18c Have you felt down in dumps
30	qf118d	Char	1	18d Have you felt calm and peaceful
31	qf118e	Char	1	18e Did you have a lot of energy
32	qf118f	Char	1	18f Have you felt downhearted/depressed
33	qf118g	Char	1	18g Did you feel worn out
34	qf118h	Char	1	18h Have you been happy
35	qf118i	Char	1	18i Did you feel tired
36	qf119	Char	1	19 Problems interfered w/social activities
37	qf120a	Char	1	20a Seem to get sick easier than other people

Num	Variable	Type	Len	Label
38	qf120b	Char	1	20b Healthy as anybody I know
39	qf120c	Char	1	20c Expect health to get worse
40	qf120d	Char	1	20d Health is excellent
41	formdate	Num	8	4 Form date (days since randomization)

Data Set Name: rd.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	rd108	Char	1	8 2nd form for returning extra bottles
6	rd109	Char	1	9 Study drug dispensed today
7	rd110a	Char	1	10a Not a drug dispensing visit
8	rd110b	Char	1	10b Study drug interruption/termination
9	rd110c	Char	1	10c Patient unwilling to take study drug
10	rd110d	Char	1	10d Other reason for not dispensing drug
11	rd111	Char	1	11 Number of bottles dispensed
12	rd115	Char	1	15 How study drug dispensed
13	rd116	Char	1	16 Bottles returned at this visit
14	rd117	Char	1	17 Number of bottles returned
15	rd118b	Char	2	18b Number of capsules returned
16	rd119b	Char	2	19b Number of capsules returned
17	rd120b	Char	2	20b Number of capsules returned
18	rd121b	Char	2	21b Number of capsules returned
19	rd122	Char	1	22 Additional bottles being returned
20	formdate	Num	8	4 Form date (days since randomization)

Data Set Name: rg.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	visit	Char	4	5 Visit ID code
3	form	Char	4	6 Form/revision
4	study	Char	1	7 Study
5	rg108	Char	1	8 Signed informed consent
6	rg109b	Char	2	9b Age at last birthday
7	rg109c	Char	1	9c Patient is at least 18 years old
8	rg110	Char	1	10 Gender
9	rg111	Char	1	11 Ethnic category
10	rg112	Char	1	12 Hispanic origin
11	rg112s	Char	35	12 Specify other Spanish culture
12	rg113a	Char	1	13a American Indian/Alaska Native
13	rg113b	Char	1	13b Asian
14	rg113c	Char	1	13c Black/African American
15	rg113d	Char	1	13d Native Hawaiian/Pacific Islander
16	rg113e	Char	1	13e White
17	rg113f	Char	1	13f Refused
18	rg114	Char	1	14 Country of birth
19	rg114s	Char	35	14 Specify other country
20	rg115	Char	1	15 Highest educational level
21	rg116	Char	1	16 Currently employed
22	rg118	Char	2	18 Hours/week work each week
23	rg119	Char	1	19 Occupational history category
24	rg120	Char	1	20 Marital status
25	rg121	Char	1	21 Annual household income
26	rg122	Char	1	22 NASH ID previously assigned
27	rg123a	Char	1	23a NAFLD Database
28	rg123b	Char	1	23b PIVENS
29	rg123c	Char	1	23c TONIC
30	rg123d	Char	1	23d NAFLD Adult Database 2
31	rg123e	Char	1	23e NAFLD Pediatric Database 2
32	rg123f	Char	1	23f Other study
33	formdate	Num	8	4 Form date (days since randomization)

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
37	GGT	Num	8	BEST12.	GGT - U/L

Num	Variable	Type	Len	Format	Label
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 ²
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
76	ALB_SI	Num	8	BEST12.	Albumin - g/L

Num	Variable	Type	Len	Format	Label
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 Prothrmbin 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
37	HEMA_SI_	Num	8	BEST12.	BL Hematocrit - proportion of 1.0

Num	Variable	Type	Len	Format	Label
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
76	ALT	Num	8	BEST12.	Week 72 ALT - U/L

Num	Variable	Type	Len	Format	Label
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
115	HEMA_D	Num	8	BEST12.	Week 72-BL Hematocrit - %

Num	Variable	Type	Len	Format	Label
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 Prothrombin time - sec
127	INR_D	Num	8	BEST12.	Week 72-BL International normalized ratio
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_S10	Num	8	BEST12.	Week 72-BL Hemoglobin - g/L
150	HEMA_S10	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
154	CAL_SI_D	Num	8	BEST12.	Week 72-BL Calcium - mmol/L

Num	Variable	Type	Len	Format	Label
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

Num	Variable	Type	Len	Label
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
37	PLATELE0	Num	8	BEST12.	BL Platelet count - 10**9/L

Num	Variable	Type	Len	Format	Label
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
76	CHOL	Num	8	BEST12.	Week 96 Cholesterol - mg/dL

Num	Variable	Type	Len	Format	Label
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
115	BICARB_D	Num	8	BEST12.	Week 96-BL Bicarbonate - mEq/L

Num	Variable	Type	Len	Format	Label
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
154	HBA1C_S1	Num	8	BEST12.	Week 96-BL Hemoglobin A1c - mmol/mol

Num	Variable	Type	Len	Format	Label
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

Data Set Name: tx.sas7bdat

Num	Variable	Type	Len	Label
1	ID	Char	4	FLINT Limited Use Dataset ID number
2	Tx	Char	4	