

Data Set Name: nhlbi_acceptability.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	approv	Num	8	6.	6.	decliners: there are things about genetic testing i don't like
2	perf	Num	8	6.	6.	decliners (gene only): i don't want to participate in genetic testing
3	blood	Num	8	6.	6.	decliners: i don't want to participate in any blood test
4	docs	Num	8	6.	6.	decliners: i would like to talk to my doc first
5	info	Num	8	6.	6.	decliners: i would like more information
6	knows	Num	8	6.	6.	decliners: i don't want to know if i have hemochromatosis
7	time	Num	8	6.	6.	decliners: i don't have time today
8	unlike	Num	8	6.	6.	decliners: it's unlikely that i have hemochromatosis
9	need	Num	8	6.	6.	decliners: i'm not sure if i need this test
10	familys	Num	8	6.	6.	decliners: the information might disturb my family
11	tests	Num	8	6.	6.	decliners: i might need more medical tests
12	drawn	Num	8	6.	6.	decliners: i don't like having by blood drawn
13	private	Num	8	6.	6.	decliners: my information might not be kept private
14	geninf	Num	8	6.	6.	decliners (gene only): if the test could be done w/o using genetic info would you want it
15	genhlth	Num	8	6.	6.	in general would you say your health is...
16	sick	Num	8	6.	6.	i seem to get sick a little easier than other people
17	healthy	Num	8	6.	6.	i am as healthy as anybody i know
18	worse	Num	8	6.	6.	i expect my health to get worse
19	excel	Num	8	6.	6.	my health is excellent
20	testtype	Num	8	6.	6.	what type of test were you offered today
21	age	Num	8	4.	4.	how old are you
22	gender	Num	8	6.	6.	gender
23	edu	Num	8	6.	6.	what is the highest grade of school you have completed
24	recr	Num	8	6.	6.	recruited in HEIRS
25	group	Char	2			geno or pheno / accept or decline
26	genphen	Char	1			genotype or phenotype (blood) test offered
27	accdec	Char	1			accept or decline offered test
28	without	Num	8	6.	6.	decliners (blood only): if the test could be done w/o a blood test would you want it
29	know	Num	8	6.	6.	acceptors: i would like to know more about my health
30	prob	Num	8	6.	6.	acceptors: i want to know if i have hemochromatosis/iron problems
31	test	Num	8	6.	6.	acceptors: i appreciate the chance to have a free medical test
32	doc	Num	8	6.	6.	acceptors: i think my doctor would recommend this test
33	family	Num	8	6.	6.	acceptors: knowing might help my family
34	sympt	Num	8	6.	6.	acceptors: i have some symptoms that i would like to get checked
35	hemo	Num	8	6.	6.	acceptors: i think i might have hemochromatosis
36	sone	Num	8	6.	6.	acceptors: i know someone who has hemochromatosis

Num	Variable	Type	Len	Format	Informat	Label
37	relative	Num	8	6.	6.	acceptors: a relative has hemochromatosis
38	other	Num	8	6.	6.	acceptors: an other person i know has hemochromatosis
39	race	Num	8			Participant Race
40	ghscale	Num	8			Calculated: SF-36 General Health Scale
41	knowtest	Num	8			Calculated: Does participant know which type of test was offered
42	randomID	Num	8			

Data Set Name: ac_participant.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	addeval	Num	8	4.	4.	1a - Additional evaluation for iron overload (outside HEIRS)?
2	phlebot	Num	8	4.	4.	1b - Phlebotomy as treatment?
3	liverbiop	Num	8	4.	4.	1c - Liver biopsy?
4	swellfeet	Num	8	4.	4.	2 - Swelling of the feet or ankles
5	skincolor	Num	8	4.	4.	3 - Change in skin color
6	wtloss	Num	8	4.	4.	4 - Unexplained weight loss
7	fluid	Num	8	4.	4.	5 - Abdominal swelling or fluid
8	weakness	Num	8	4.	4.	6 - Chronic fatigue/weakness
9	shortbreath	Num	8	4.	4.	7 - Shortness of breath
10	jointstiff	Num	8	4.	4.	8 - Joint stiffness/pain/ache
11	thirst	Num	8	4.	4.	9 - Excessive thirst
12	polyuria	Num	8	4.	4.	10 - Polyuria (excessive urination)
13	abdompain	Num	8	4.	4.	11 - Unexplained abdominal pain or discomfort
14	confusion	Num	8	4.	4.	12 - Unexplained confusion or memory loss
15	bleeding	Num	8	4.	4.	13 - Unusual bleeding (vomiting or coughing blood, blood in stool, blood in urine)
16	arrhythmin	Num	8	4.	4.	14 - Abnormal heart rhythm, heart beat or action/arrhythmia
17	sexdrive	Num	8	4.	4.	15 - For men: trouble having erection or less of sexual drive
18	othchanges	Num	8	4.	4.	16 - Experienced any other major changes in health?
19	changepcp	Num	8	4.	4.	17 - Changed primary care physicians or seeing another doctor for iron overload treatment?
20	dvisit	Num	8	4.		Number of days from given date to form completion
21	dexam	Num	8	4.		Number of days from given date to study exam
22	sid_di	Char	11			Deidentified subject ID

Data Set Name: ac_physician.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	seensince	Num	8	4.	4.	1 - Have you seen this patient since the HEIRS clinical exam?
2	diaghemo	Char	1	\$1.	\$1.	2 - Hereditary hemochromatosis
3	diagironover	Char	1	\$1.	\$1.	2 - Iron overloading anemia
4	diagotherironover	Char	1	\$1.	\$1.	2 - Other iron overload
5	diagporphyria	Char	1	\$1.	\$1.	2 - Porphyria cutanea tarda
6	diagnoironover	Char	1	\$1.	\$1.	2 - No iron overload
7	patientdied	Num	8	4.	4.	3 - Patient dead?
8	heptocellular	Num	8	4.	4.	4a - Hepatocellular carcinoma or cholangiocarcinoma?
9	liverfailure	Num	8	4.	4.	4b - Liver failure?
10	livertransplant	Num	8	4.	4.	4c - Liver transplant?
11	liverbiopsy	Num	8	4.	4.	5a - Liver biopsy?
12	quanphlebotomy	Num	8	4.	4.	5b - Quantitative phlebotomy?
13	addevalironoverload	Num	8	4.	4.	5c - Additional evaluation for iron overload?
14	erytreatment	Num	8	4.	4.	6 - Treated by erythrocytapheresis?
15	eryirondepleted	Num	8	4.	4.	6 - If yes, was iron depletion achieved?
16	serumferritin	Num	8	6.	6.	7a - Serum ferritin concentration (ug/L)
17	transferrin	Num	8			7c - Transferrin saturation %
18	symptironover	Num	8	4.	4.	8 - Iron overload or hemochromatosis
19	symptanemia	Num	8	4.	4.	9 - Anemia
20	symptsickle	Num	8	4.	4.	10 - Sickle cell anemia
21	symptthalassemia	Num	8	4.	4.	11 - Thalassemia or other inherited
22	symptbleeding	Num	8	4.	4.	12 - Unusual bleeding
23	symptdiabetes	Num	8	4.	4.	13 - Diabetes
24	symptliverdisease	Num	8	4.	4.	14 - Liver disease
25	symptthyroiddisease	Num	8	4.	4.	15 - Thyroid disease
26	symptheartfailure	Num	8	4.	4.	16 - Heart failure
27	symptarrhythmia	Num	8	4.	4.	17 - Abnormal heart rhythm, heart beat or action/arrhythmia
28	symptheartattack	Num	8	4.	4.	18 - Other heart disease or heart attack
29	symptarthritis	Num	8	4.	4.	19 - Arthritis
30	symptosteoporosis	Num	8	4.	4.	20 - Osteoporosis
31	symptporphyria	Num	8	4.	4.	21 - Porphyria cutanea tarda (blistering skin rash made worse by sunlight)
32	symptlupus	Num	8	4.	4.	23 - Chronic inflammation, chronic infection, autoimmune disease or lupus
33	chemotherapy	Num	8	4.	4.	24 - Chemotherapy or bone marrow transplant since the clinical exam?
34	diaghep	Char	1	\$1.		2 - Hepatitis
35	dvisit	Num	8	4.		Number of days from given date to form completion
36	livertransdate	Num	8	4.		4d - Number of days from given date to liver transplant

Num	Variable	Type	Len	Format	Informat	Label
37	serumferritindate	Num	8	4.		7b - Number of days from given date to serum ferritin date
38	transferrindate	Num	8	4.		7d - Number of days from given date to transferrin saturation date
39	sid_di	Char	11			Deidentified subject ID

Data Set Name: cce_participants.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	bldstore_is	Num	8	4.		May we store your blood? (Screening)
2	constsigned_is	Num	8	4.		Signed consent form (Screening)
3	bldstore_cce	Num	8	4.		May we store your blood? (CCE)
4	constsigned_cce	Num	8	4.		Signed consent form (CCE)
5	cce_attend	Num	8	2.		Attended CCE?
6	hipaaaauth	Num	8	4.	4.	Signed Hipaa authorization
7	sf_is	Num	8	10.2		Serum ferritin
8	ts_is	Num	8	10.2		Transferrin saturation
9	hours_is	Num	8	10.2		Hours since last food (Screening)
10	elevated_indicator	Num	8	2.		Elevated ts and sf at initial screening
11	in_initial_screening	Num	8	2.		Initial screening indicator
12	age	Num	8	4.		Calculated age
13	prefLang	Num	8	6.	6.	Preferred language
14	gender	Num	8	4.	4.	Gender (1=Male 2=Female)
15	firsttime	Num	8	4.	4.	6 - Is this the first time you have been asked to participate in this study?
16	hlthres	Num	8	4.	4.	7a - I want to help by taking part in research
17	drpart	Num	8	4.	4.	7b - My doctor thought that I should take part in this study
18	ironprob	Num	8	4.	4.	7c - I want to know if I have problems (too high or too low)
19	havehemo	Num	8	4.	4.	7d - I have iron overload or hemochromatosis
20	might	Num	8	4.	4.	7e - I think I might have iron overload or hemochromatosis
21	medcond	Num	8	4.	4.	7f - I have another medical condition
22	relahemo	Num	8	4.	4.	7g - My blood relative has/had iron overload or hemochromatosis
23	elsehemo	Num	8	4.	4.	7h - Someone else I know has/had iron overload or hemochromatosis
24	othreas	Num	8	4.	4.	7i - Other reason to take part in this study
25	toomuch	Num	8	4.	4.	7a - Too much iron in your body, iron overload or hemochromatosis
26	arthriti	Num	8	4.	4.	7b - Arthritis?
27	diabetes	Num	8	4.	4.	7c - Diabetes?
28	liver	Num	8	4.	4.	7d - Liver disease or liver cancer?
29	hrtfail	Num	8	4.	4.	7e - Heart failure
30	impot	Num	8	4.	4.	7f - Fertility problems or impotence
31	bldrela	Num	8	4.	4.	8 - Have any of your blood relatives had iron overload or hemochromatosis, or been treated by having their blood drawn on a regular basis?
32	anyone	Num	8	4.	4.	10 - Have you ever known anyone else who had to donate blood for his/her health?
33	pregnant	Num	8	4.	4.	9 - For women: pregnant, pregnant within the past 3 months, or breast feeding?
34	health	Num	8	4.	4.	10 - In general, your health is

Num	Variable	Type	Len	Format	Informat	Label
35	sickeasy	Num	8	4.	4.	11a - I seem to get sick a little easier
36	hlthany	Num	8	4.	4.	11b - I am as healthy as anybody
37	hlthwors	Num	8	4.	4.	11c - I expect my health to get worse
38	hlthexc	Num	8	4.	4.	11d - My health is excellent
39	nervous	Num	8	4.	4.	12a - Have you been a nervous person?
40	downdump	Num	8	4.	4.	12b - Have you felt so down in the dumps that nothing could cheer you up?
41	calm	Num	8	4.	4.	12c - Have you ever felt calm and peaceful?
42	blue	Num	8	4.	4.	12d - Ever felt downhearted and blue?
43	happy	Num	8	4.	4.	12e - Have you been a happy person?
44	genetest	Num	8	4.	4.	14 - Is genetic testing to find out about disease risk a good idea?
45	goodtrt	Num	8	4.	4.	15a - There might be a good treatment by the time you developed the disease
46	chglife	Num	8	4.	4.	15b - You could change to a healthier lifestyle to prevent getting the disease
47	prepfutu	Num	8	4.	4.	15c - Could you prepare better for the future?
48	shareinf	Num	8	4.	4.	15d - You could share this information with family members
49	insure	Num	8	4.	4.	16a - You might have trouble getting or keeping your insurance
50	helpless	Num	8	4.	4.	16b - You might feel helpless because you can't change your genes
51	feelless	Num	8	4.	4.	16c - Knowing that you had a gene that put you at risk could make you feel less healthy
52	badnews	Num	8	4.	4.	16d - You could be bringing bad news into your family
53	heredity	Num	8	4.	4.	17a - Heredity (it runs in your family)
54	environ	Num	8	4.	4.	17b - The environment
55	fate	Num	8	4.	4.	17c - Fate or chance (bad luck)
56	psycho	Num	8	4.	4.	17d - Psychological factors (ex. stress)
57	lifestyl	Num	8	4.	4.	17e - Lifestyle (ex. smoking, drinking, eating a high fat diet)
58	docvisit	Num	8	4.	4.	5 - I came in for a doctor visit or to have my blood drawn, and found out about it
59	phcall	Num	8	4.	4.	5 - I received a phone call or letter from the study, inviting me to participate
60	cameinto	Num	8	4.	4.	5 - I came into the clinic or lab with a friend or family member, and found out about it
61	newstv	Num	8	4.	4.	5 - I learned about it in the newspaper, in the community, on the TV, or on the radio
62	hearoth	Num	8	4.	4.	5 - Found out about it elsewhere
63	fmember	Num	8	4.	4.	5 - My family member was in this study and told me about it
64	shouldsh	Num	8	4.	4.	13 - Information about a person's genetic risk should be shared with other family members
65	serum	Num	8	7.2	7.2	Serum iron
66	uibc	Num	8	8.2	8.2	Unsaturated iron binding capacity
67	tibc	Num	8	8.2	8.2	Total iron binding capacity

Num	Variable	Type	Len	Format	Informat	Label
68	case_control	Num	8	2.		Invited CCE case or control
69	height	Num	8	4.		7 - Height (in)
70	weight	Num	8	6.1	6.1	8 - Body weight (lb)
71	BMI	Num	8	6.1		BMI
72	temper	Num	8	7.1	7.1	9 - Body temperature in fahrenheit
73	pulse	Num	8	4.	4.	10 - Pulse in beats per minute
74	sbp	Num	8	11.	11.	11 - Systolic blood pressure (mmHg)
75	dbp	Num	8	11.	11.	12 - Diastolic blood pressure (mmHg)
76	hepatom	Num	8	4.	4.	13 - Liver: hepatomegaly
77	splenom	Num	8	4.	4.	14 - Liver: splenomegaly
78	brady	Num	8	4.	4.	15a - Heart Arrythmia: bradycardia
79	tachy	Num	8	4.	4.	15b - Heart Arrythmia: tachycardia (>100 beats per minute)
80	premacon	Num	8	4.	4.	15c - Heart Arrythmia: frequent premature contractions (>= ectopic beat per min.)
81	abnormal	Num	8	4.	4.	15d - Heart Arrythmia: other abnormal rhythm
82	murmur	Num	8	4.	4.	15e - Heart Arrythmia: murmur (any prolonged sound produced by the heart)
83	edema	Num	8	4.	4.	15f - Heart Arrythmia: edema
84	pigment	Num	8	4.	4.	16 - Skin: increased pigmentation on sun-exposed or unexposed areas
85	blister	Num	8	4.	4.	17 - Skin: blistering, ulcers, scarring of sun-exposed skin?
86	hypertri	Num	8	4.	4.	18 - Skin: hypertrichosis
87	mpjoints	Num	8	4.	4.	19 - Bones and joints: mp joints swollen or tender?
88	sf_cce	Num	8	4.		Serum ferritin concentration (ng/mL)
89	ts_cce	Num	8	4.		% iron saturation iron binding protein (%)
90	hgb	Num	8			Hemoglobin concentration (g/dL)
91	crp	Num	8			Serum concentration c-reactive protein (mg/dL)
92	alt	Num	8			Serum activity alanine aminotransferase
93	ast	Num	8			Serum activity aspartate aminotransferase
94	hapt	Num	8			Serum haptoglobin concentration (mg/dL)
95	bilt	Num	8			Serum concentration total bilirubin (mg/dL)
96	dbil	Num	8			Serum concentration direct bilirubin (mg/dL)
97	ibil	Num	8			Serum concentration indirect bilirubin (mg/dL)
98	ld	Num	8			Serum activity lactate dehydrogenase (U/L)
99	febr	Num	8			Serum iron binding capacity (ug/dL)
100	fer	Num	8			Serum iron concentration (ug/dL)
101	ggt	Num	8			Serum activity of gamma glutamyl transferase (U/L)
102	gluc	Num	8			Serum glucose concentration (mg/dL)
103	ha1	Num	8			Hemoglobin A1 (% total hemoglobin)
104	ha2	Num	8			Hemoglobin A2 (% total hemoglobin)

Num	Variable	Type	Len	Format	Informat	Label
105	hbelp	Num	8			Abnormal hemoglobin type
106	hct	Num	8			Hematocrit (% red blood cells in whole blood)
107	hf	Num	8			Hemoglobin F-fetal (% total hemoglobin)
108	hgc	Num	8			Hemoglobin C (% total hemoglobin)
109	hge	Num	8			Hemoglobin E (% total hemoglobin)
110	hother	Num	8			Hemoglobin other (% total hemoglobin)
111	hs	Num	8			Hemoglobin S-sickle cell (% total hemoglobin)
112	ins	Num	8			Insulin concentration (mIU/L)
113	mch	Num	8			Mean corpuscular hemoglobin/RBC (picograms)
114	mchc	Num	8			Mean corpuscular hemoglobin conc/RBC (g/dL)
115	mcv	Num	8			Mean corpuscular volume (femtoliters)
116	rbc	Num	8			Red blood cell count (# cells/10 ¹² /L)
117	rdw	Num	8			Red cell distribution width (%)
118	wbc	Num	8			White blood cell count (# cells/10 ⁹ /L)
119	retic	Num	8	6.1	6.1	Rediculocyte count (%)
120	plt	Num	8			Platelet (# platelets/10 ⁹ /L)
121	wneut	Num	8			Neutrophils (% neutrophils in WBC count)
122	wlymp	Num	8			Lymphocytes (% lymphocytes in WBC count)
123	wmono	Num	8			Monocytes (% monocytes in WBC count)
124	weos	Num	8			Eosinophils (% eosinophils in WBC count)
125	wbaso	Num	8			Basophils (% basophils in WBC count)
126	aneut	Num	8			Absolute neutrophils (# cells/10 ⁹ /L)
127	alymp	Num	8			Absolute lymphocytes (# cells/10 ⁹ /L)
128	amono	Num	8			Absolute monocytes (# cells/10 ⁹ /L)
129	aeos	Num	8			Absolute eosinophils (# cells/10 ⁹ /L)
130	abaso	Num	8			Absolute basophils (# cells/10 ⁹ /L)
131	hours_cce	Num	8			Hours since last food (CCE)
132	ssFeetSw	Num	8	4.	4.	1 - Experienced swelling of feet or ankles?
133	ssSkinCh	Num	8	4.	4.	2 - Experienced change in skin color?
134	ssWeight	Num	8	4.	4.	3 - Experienced unexplained weight loss?
135	ssAdomSw	Num	8	4.	4.	4 - Experienced abdominal swelling or fluid
136	ssLossDr	Num	8	4.	4.	5 - Experienced trouble having an erection or loss of sexual drive?
137	ssChrFt	Num	8	4.	4.	6 - Repeatedly bothered by chronic fatigue/weakness
138	ssShrtBr	Num	8	4.	4.	7 - Repeatedly bothered by shortness of breath?
139	ssJntStf	Num	8	4.	4.	8 - Repeatedly bothered by joint stiffness/pain/ache?
140	ssThirst	Num	8	4.	4.	9 - Repeatedly bothered by excessive thirst?
141	ssPlyUr	Num	8	4.	4.	10 - Repeatedly bothered by polyuria (excessive urination)?
142	ssUnxAdm	Num	8	4.	4.	11 - Repeatedly bothered by unexplained abdominal pain or discomfort?
143	ssUnxCon	Num	8	4.	4.	12 - Repeatedly bothered by unexplained confusion?

Num	Variable	Type	Len	Format	Informat	Label
144	mhHemo	Num	8	4.	4.	13 - Ever told that you have/had iron overload or hemochromatosis?
145	mhAnemia	Num	8	4.	4.	14 - Ever told that you have/had anemia (low iron)?
146	mhSC	Num	8	4.	4.	15 - Ever told that you have/had sickle cell anemia?
147	mhThal	Num	8	4.	4.	16 - Ever told that you have/had thalassemia or other inherited anemia?
148	mhBlood	Num	8	4.	4.	17 - Ever told that you have/had unusual blood loss?
149	mhDiab	Num	8	4.	4.	18 - Ever told that you have/had diabetes?
150	mhDiabMd	Num	8	4.	4.	18a - Are you taking medication for diabetes?
151	mhDiabIn	Num	8	4.	4.	18b - Are you taking insulin for diabetes?
152	mhDiabPl	Num	8	4.	4.	18c - Are you taking pills for diabetes?
153	mhDiabTr	Num	8	4.	4.	18d - At what age was diabetes first treated?
154	mhLiver	Num	8	4.	4.	19 - Ever told that you have/had liver disease?
155	mhLivFat	Num	8	4.	4.	19a - Ever told that you have/had fatty liver?
156	mhLivCir	Num	8	4.	4.	19b - Ever told that you have/had cirrhosis?
157	mhLivCan	Num	8	4.	4.	19c - Ever told that you have/had liver cancer?
158	mhThyr	Num	8	4.	4.	20 - Ever told that you have/had thyroid disease?
159	mhHrt	Num	8	4.	4.	21 - Ever told that you have/had heart failure or weak heart?
160	mhHrtAb	Num	8	4.	4.	22 - Ever told that you have/had abnormal heart rhythm, heart beat, or action/arrythmia?
161	mhHrtOth	Num	8	4.	4.	23 - Ever told that you have/had other heart disease or heart attack?
162	mhArth	Num	8	4.	4.	24 - Ever told that you have/had arthritis?
163	mhOsteo	Num	8	4.	4.	25 - Ever told that you have/had osteoporosis?
164	mhPorph	Num	8	4.	4.	26 - Ever told that you have/had porphyria cutanea tarda?
165	mhChrInf	Num	8	4.	4.	28 - Ever told that you have/had chronic inflammation, chronic infection, autoimmune disease, or lupus?
166	mhCancer	Num	8	4.	4.	29 - Ever told that you have/had cancers?
167	mhChemo	Num	8	4.	4.	30 - Ever had chemotherapy or bone marrow transplant?
168	rhMenPr	Num	8	4.	4.	31a - Ever seen a doctor for menstrual problems?
169	rhBleed	Num	8	4.	4.	31b - Ever seen a doctor for in-between bleeding?
170	rhStop	Num	8	4.	4.	31c - Ever seen a doctor for early stopping of periods?
171	rhPreg	Num	8	4.	4.	32 - Ever been pregnant?
172	rhPregNm	Num	8	4.	4.	32a - Number of pregnancies
173	rhBirths	Num	8	4.	4.	32b - Number of live births
174	rhPregC	Num	8	4.	4.	33 - Are you currently pregnant?
175	rhMen	Num	8	4.	4.	34 - Gone through menopause?
176	rhMenAge	Num	8	4.	4.	34a - Age at menopause?
177	rhMenar	Num	8	4.	4.	35 - Age at menarche?
178	rhHyst	Num	8	4.	4.	36 - Had a hysterectomy?
179	rhHysAge	Num	8	4.	4.	36a - Age at hysterectomy?
180	btEver	Num	8	4.	4.	37 - Ever had blood transfusions?

Num	Variable	Type	Len	Format	Informat	Label
181	btTotal	Num	8	4.	4.	37a - Number of pints/units transfused in a lifetime?
182	btWhole	Num	8	4.	4.	38 - Ever donated whole blood at a blood bank?
183	btWholeU	Num	8	4.	4.	38a - Number of whole blood units in lifetime?
184	liBrRest	Num	8	4.	4.	39a - Get short of breath while resting in a chair?
185	liBrLvel	Num	8	4.	4.	39b - Get short of breath while walking on level ground?
186	liBrQuik	Num	8	4.	4.	39c - Get short of breath when walking quickly or uphill?
187	liAlcoh	Num	8	4.	4.	40 - Ever consumed alcoholic beverages?
188	liAlcAge	Num	8	4.	4.	41 - Age started consuming alcoholic beverages?
189	liAlcPr	Num	8	4.	4.	42 - Presently drink alcoholic beverages?
190	liAlcYr	Num	8	4.	4.	42a - Number of years have been drinking alcoholic beverages?
191	liAlcYrN	Num	8	4.	4.	42b - Number of years did you drink alcoholic beverages?
192	liAlcNum	Num	8	4.	4.	42c - Usual number of drinks you had per week before stopping?
193	dmGrade	Num	8	6.	6.	43 - Highest grade of school completed
194	gt10	Num	8	4.	4.	37b - Have you had more than 10 pints/units transfused in a lifetime?
195	phleb	Num	8	4.	4.	Have you ever had phlebotomy as treatment for your iron overload or HH?
196	biopsy	Num	8	4.	4.	Have you ever had liver biopsy?
197	iron	Num	8	15.3	15.3	Iron (mg)
198	alc	Num	8	15.3	15.3	Alcohol (g)
199	sIron	Num	8	15.3	15.3	Iron from supplements (mg)
200	sIron2	Num	8	15.3	15.3	Iron from supplements where use was >= 2 years (mg)
201	DMFPIron	Num	8	15.3	15.3	Daily meat-fish-poultry (MFP) iron (mg)
202	q368	Char	1	\$1.	\$1.	Regular or draft beer frequency
203	q369	Char	1	\$1.	\$1.	Light beer frequency
204	q370	Char	1	\$1.	\$1.	White or pink wine frequency
205	q371	Char	1	\$1.	\$1.	Red wine frequency
206	q372	Char	1	\$1.	\$1.	Hard liquor frequency
207	q375	Char	1	\$1.	\$1.	Regular or draft beer serving size
208	q376	Char	1	\$1.	\$1.	Light beer serving size
209	q377	Char	1	\$1.	\$1.	White or pink wine serving size
210	q378	Char	1	\$1.	\$1.	Red wine serving size
211	q379	Char	1	\$1.	\$1.	Hard liquor serving size
212	letterId	Char	2	\$2.	\$2.	Type of initial screening test results letter
213	ghscale_is	Num	8			SF-36 general health scale - initial screening
214	mhscale_is	Num	8			SF-36 mental health scale - initial screening
215	diagnone	Num	8	4.	4.	None indicated
216	diagalcohol	Num	8	4.	4.	Alcohol liver disease?
217	diagcirrhosis	Num	8	4.	4.	Cirrhosis?
218	diagnash	Num	8	4.	4.	Non-alcoholic steatohepatitis (NASH)?
219	diagfatliver	Num	8	4.	4.	Fatty liver?

Num	Variable	Type	Len	Format	Informat	Label
220	diagfibrosis	Num	8	4.	4.	Fibrosis?
221	diagprime	Num	8	4.	4.	Primary hemochromatosis?
222	diagsecond	Num	8	4.	4.	Secondary hemochromatosis?
223	diagnospec	Num	8	4.	4.	Hemochromatosis not specified
224	diagsecio	Num	8	4.	4.	Hemosiderosis (secondary iron overload)?
225	diagotherio	Num	8	4.	4.	Other iron overload?
226	diagotherld	Num	8	4.	4.	Other liver disease?
227	hepaprose	Num	8	4.	4.	Hepatocytes: If prose only
228	hepagrade4	Num	8	4.	4.	Hepatocytes: Graded on a four point scale grade
229	hepagrade6	Num	8	4.	4.	Hepatocytes: Graded on a six point scale grade
230	dryweight1	Num	8	7.1	7.1	If HIC is available, indicate dry weight (umol/g)
231	dryweight2	Num	8	7.1	7.1	If HIC is available, indicate dry weight (ug/g)
232	wetweight1	Num	8	7.1	7.1	If HIC is available, indicate wet weight (umol/g)
233	wetweight2	Num	8	7.1	7.1	If HIC is available, indicate wet weight (ug/g)
234	partage	Num	8	11.	11.	Participant's age in years
235	path_biliary	Num	8			Biliary epithelium
236	path_hepironconc	Num	8			Is hepatic iron concentration available?
237	path_kupffer	Num	8			Kupffer cells/macrophages present?
238	path_mallory	Num	8			Mallory bodies present?
239	pathsum	Num	8			Pathology report
240	adeqhist	Num	8	11.	11.	Sample adequate for histology?
241	adeqiron	Num	8	11.	11.	Sample adequate for quantification of iron?
242	microhepa	Num	8	11.	11.	Stainable iron identified in microscopic iron score hepatocytes (0-4)
243	fibrosis	Num	8	11.	11.	Fibrosis score (0-4)
244	fatchange	Num	8	11.	11.	Fatty changes
245	inflam	Num	8	11.	11.	Inflammation (0=None, 1=Mild, 2=Moderate, 3=Severe)
246	celltype	Num	8	11.	11.	If inflammation is present, what cellular type?
247	cr_biliary	Num	8			Stainable iron identified in biliary epithelium
248	cr_hepironconc	Num	8			Hepatic iron concentration (umol/g) dry weight
249	cr_kupffer	Num	8			Stainable iron identified in kupffer cells/macrophages (0-4)
250	cr_mallory	Num	8			Stainable iron identified in mallory bodies
251	cr_liver	Num	8			Central reading done for participant?
252	faAiPh	Num	8	4.	4.	1a - phone call or written material from HIERS
253	faAiFam	Num	8	4.	4.	1b - family member
254	faAiLib	Num	8	4.	4.	1c - the library
255	faAiInf	Num	8	4.	4.	1d - the internet
256	faAiDoc	Num	8	4.	4.	1e - your doctor or other health workers
257	faInfClr	Num	8	4.	4.	2a - I found the info I received to be clear and easy to understand
258	faInfEn	Num	8	4.	4.	2b - I received enough information

Num	Variable	Type	Len	Format	Informat	Label
259	faInfQst	Num	8	4.	4.	2c - I still have questions about hemochromatosis and IO or my test results
260	faGenTst	Num	8	4.	4.	3 - in general, I think genetic testing to find out about disease risk is a good idea
261	faTrGv	Num	8	4.	4.	4a - I do not have any known hemo gene variations
262	faTrHHB	Num	8	4.	4.	4b - I have hemo gene variations in both genes
263	faTrHHO	Num	8	4.	4.	4c - I have hemo gene variations in one, but not both genes
264	faTrNo	Num	8	4.	4.	4d - I do not have iron overload
265	faTrDo	Num	8	4.	4.	4e - I do have iron overload
266	faTrVf	Num	8	4.	4.	4f - I have hemo gene variations that may also be present in members of my family
267	faResNoS	Num	8	4.	4.	5a - there were no specific recommendations made to me
268	faResPP	Num	8	4.	4.	5b - talk to my personal physician about my test results
269	faResTst	Num	8	4.	4.	5c - have my personal physician test the amount of iron in my blood...
270	faResBld	Num	8	4.	4.	5d - have my blood drawn to lower the amount of iron in my blood
271	faResFam	Num	8	4.	4.	5e - talk to family members about their possible risk for hemo or IO
272	faFollow	Num	8	4.	4.	6 - have you followed the recommendations...
273	faRecHlp	Num	8	4.	4.	7 - do you think that these recommendations are helping your health
274	faExpSad	Num	8	4.	4.	8a - feeling upset, sad or anxious about your test results
275	faExpRel	Num	8	4.	4.	8b - feeling relieved that no known hemo gene variations exist in your family
276	faExpLoc	Num	8	4.	4.	8c - feeling a loss of control because of your test results
277	faExpEnj	Num	8	4.	4.	8d - having problems enjoying your life because of your test results
278	faExpRsk	Num	8	4.	4.	8e - worrying about your risk of developing IO or hemo or having your condition get worse
279	faExpMoc	Num	8	4.	4.	8f - feeling more in control of your future health
280	faExpPrb	Num	8	4.	4.	8g - thinking about your test results has caused problems in your work or family life
281	faExpFru	Num	8	4.	4.	8h - feeling frustrated that no known hemo gene variations have been found to explain the IO in your family
282	faExpGdl	Num	8	4.	4.	8i - feeling relieved that the guidelines are so clear and easy to follow
283	faExpCnf	Num	8	4.	4.	8j - worrying about the confidentiality of your test results
284	faExpGd	Num	8	4.	4.	8k - feeling that people don't think you are as good as they are
285	faExpFam	Num	8	4.	4.	8l - worrying about the risk to your family members
286	faExpGld	Num	8	4.	4.	8m - feeling glad that you took part in this research
287	faGrShr	Num	8	4.	4.	9 - information about a person's genetic risk should be shared with other family members
288	faGrFam	Num	8	4.	4.	9a - the person who has the genetic risk should share the info directly with family members
289	faGrPer	Num	8	4.	4.	9b - the doctor of the person at risk should inform family members only if the person gives permission
290	faGrDoc	Num	8	4.	4.	9c - the doctor of the person at risk should inform family member if the person at risk will not share the info

Num	Variable	Type	Len	Format	Informat	Label
291	faISp	Num	8	4.	4.	10a - spouse or partner
292	faICh	Num	8	4.	4.	10b - children
293	faIPar	Num	8	4.	4.	10c - parents
294	faIBro	Num	8	4.	4.	10d - brothers and sisters
295	faIOth	Num	8	4.	4.	10e - other relatives
296	faIFri	Num	8	4.	4.	10f - close friends
297	faIDoc	Num	8	4.	4.	10g - doctor
298	faIEmp	Num	8	4.	4.	10h - employer
299	faShSug	Num	8	4.	4.	11a - the doctor or genetic counselor suggested it
300	faShAlw	Num	8	4.	4.	11b - I always share thinks with the perons(s) I told
301	faShFeel	Num	8	4.	4.	11c - it made me feel better emotionally to get this off my chest
302	faShRisk	Num	8	4.	4.	11d - I wanted the person to be able to check out their own risk...
303	faShGlty	Num	8	4.	4.	11e - I would have felt guilty not sharing the information
304	faShTalk	Num	8	4.	4.	11f - my family tends to talk about and share info about health...
305	faShStdy	Num	8	4.	4.	11g - I wanted my family to be included in the HEIRS family study
306	faNSTold	Num	8	4.	4.	12a = no one told me to share info about my test results
307	faNSTalk	Num	8	4.	4.	12b - there are certain family members I don't talk to
308	faNSProb	Num	8	4.	4.	12c - the people I didn't rell have too many other problems right now
309	faNSStr	Num	8	4.	4.	12d - the people I didn't tell don't handle stress well
310	faNSInfo	Num	8	4.	4.	12e - my family tends not to talk about health info
311	faNSObl	Num	8	4.	4.	12f - I don't feel that I had an obligation to share this info
312	faNSEmb	Num	8	4.	4.	12g - I would have felt ashamed or embarassed to let others know
313	faNSBurd	Num	8	4.	4.	12h - I don't burden others with my problems
314	faNSRght	Num	8	4.	4.	12i - no one else has a right to know about my health
315	faNSSer	Num	8	4.	4.	12j - I didn't think this disease was serious enough to bother my family with
316	faPYEnc	Num	8	4.	4.	13a - encouraged your spouse to be tested for hemo/IO
317	faPYUnbC	Num	8	4.	4.	13b - had prenatal testing of your unborn children for risk of hemo/IO
318	faPYNewb	Num	8	4.	4.	13c - had your newborn children tested for risk of hemo/IO
319	faPYUn18	Num	8	4.	4.	13d - had your children under 18 tested for risk of hemo/IO
320	faPYRisk	Num	8	4.	4.	13e - encouraged adult children to get genetic testing for risk of hemo/IO
321	faPYMar	Num	8	4.	4.	13f - encouraged adult children to get genetic testing before they get married
322	faPYAdlt	Num	8	4.	4.	13g - encouraged adult children to get genetic testing before they have children
323	faOpHere	Num	8	4.	4.	14a - heredity
324	faOpEnv	Num	8	4.	4.	14b - the environment
325	faOpFate	Num	8	4.	4.	14c - fate or chance
326	faOpPsy	Num	8	4.	4.	14d - psychological factors
327	faOpLife	Num	8	4.	4.	14e - lifestyle

Num	Variable	Type	Len	Format	Informat	Label
328	faHealth	Num	8	4.	4.	15 - in general would you say your health is...
329	faTFSick	Num	8	4.	4.	16a - I seem to get sick a little easier than other people
330	faTFHlth	Num	8	4.	4.	16b - I am as health as anybody I know
331	faTFWrse	Num	8	4.	4.	16c - I expect my health to get worse
332	faTFExc	Num	8	4.	4.	16d - my health is excellent
333	faPYNerv	Num	8	4.	4.	17a - have you been a very nervous person
334	faPYDown	Num	8	4.	4.	17b - have you felt so down in the dumps that nothing could cheer you up
335	faPYCalm	Num	8	4.	4.	17c - have you felt calm and peaceful
336	faPYBlue	Num	8	4.	4.	17d - have you felt downhearted and blue
337	faPYHapy	Num	8	4.	4.	17e - have you been a happy person
338	faRankHH	Num	8	4.	4.	18 - compared to other medical conditions, I would rank hemo as...
339	faHPArth	Num	8	4.	4.	19a - arthritis-like pain
340	faHPImp	Num	8	4.	4.	19b - impotence
341	faHPMen	Num	8	4.	4.	19c - painful menstrual periods
342	faHPPros	Num	8	4.	4.	19d - prostate or ovarian cancer
343	faHPHrt	Num	8	4.	4.	19e - heart abnormalities
344	faHPDiab	Num	8	4.	4.	19f - diabetes
345	faHPMS	Num	8	4.	4.	19g - multiple sclerosis
346	faHPFat	Num	8	4.	4.	19h - fatigue
347	faHPAsth	Num	8	4.	4.	19i - asthma
348	faTFBad	Num	8	4.	4.	20a - too much iron in the blood is always bad
349	faTFDamg	Num	8	4.	4.	20b - in hemo, iron builds up in the body and causes damage
350	faTFDie	Num	8	4.	4.	20c - people never die because of hemo
351	faTFBld	Num	8	4.	4.	20d - the best way to treat hemo is to have blood removed...
352	faTFTrt	Num	8	4.	4.	20e - there is no treatment for hemo
353	faTFPrev	Num	8	4.	4.	20f - people with hemo can prevent symptoms by drinking water
354	faTFOrg	Num	8	4.	4.	20g - it is not important to treat hemo until organ damage has occurred
355	faTFNoKn	Num	8	4.	4.	20h - a person can have hemo and not know it
356	faTFMuch	Num	8	4.	4.	20i - a person with hemo has too much blood...
357	faTFGene	Num	8	4.	4.	20j - a gene test can tell you if you already have IO
358	faTFHHGe	Num	8	4.	4.	20k - everyone who has variations in their hemo genes will have too much iron...
359	faTFWhite	Num	8	4.	4.	20l - only white people are at risk for IO
360	faTFHHIn	Num	8	4.	4.	20m - all variations in hemo genes increase risk of IO by the same amount
361	faTFWomn	Num	8	4.	4.	20n - women tend to develop hemo earlier in life than men do
362	faTFBrSi	Num	8	4.	4.	20o - if someone has hemo, their brothers and sisters are also at risk for hemo
363	faTFInd	Num	8	4.	4.	20p - an individual may have one variation in their hemo genes, but others in same family have two
364	faGITrt	Num	8	4.	4.	21a - there might be a good treatment by the time you develop the disease

Num	Variable	Type	Len	Format	Informat	Label
365	faGIRass	Num	8	4.	4.	21b - you might not have the gene for the disease and would be reassured
366	faGIKnow	Num	8	4.	4.	21c - it is always good to know whatever you can about your health
367	faGIScrn	Num	8	4.	4.	21d - you could get frequent medical screening to catch the disease at a curable stage
368	faGIChng	Num	8	4.	4.	21e - you could change to a healthier lifestyle
369	faGITrpy	Num	8	4.	4.	21f - there might be gene therapy that could prevent you from getting the disease
370	faGIShr	Num	8	4.	4.	21g - you could share this risk info with family members
371	faGIPrep	Num	8	4.	4.	21h - you could prepare better for the future
372	faNIHins	Num	8	4.	4.	21i - you might have trouble getting or keeping health insurance
373	faNIFeel	Num	8	4.	4.	21j - you might feel helpless because you can't change your genes
374	faNIProb	Num	8	4.	4.	21k - it could be a problem if an employer found out
375	faNIWory	Num	8	4.	4.	21l - you could spend a lot of time worrying about something bad that is still in the future
376	faNILIns	Num	8	4.	4.	21m - you might have trouble getting life or disability insurance
377	faNIHlty	Num	8	4.	4.	21n - knowing that you have a gene that put you at risk could make you feel less healthy
378	faNINews	Num	8	4.	4.	21o - you could be bringing bad news into your family
379	faIHCAn	Num	8	4.	4.	22 - in the past year, have you had a problem finding/keeping a job...
380	faIHCAnH	Num	8	4.	4.	22f/up - was problem related to hemo/IO
381	faIDCan	Num	8	4.	4.	23 - in the past year, have you been turned down as a volunteer for blood donation
382	faIDCanH	Num	8	4.	4.	23f/up - was problem related to hemo/IO
383	faILCan	Num	8	4.	4.	24a - problems with health insurance
384	faILCanH	Num	8	4.	4.	24af/up - was problem related to hemo/IO
385	faPYJob	Num	8	4.	4.	24b - problems with disability insurance
386	faPYJobH	Num	8	4.	4.	24bf/up - was problem related to hemo/IO
387	faPYDnr	Num	8	4.	4.	24c - problems with life insurance
388	faPYDnrH	Num	8	4.	4.	24cf/up - was problem related to hemo/IO
389	ELSI_1y	Char	1			returned ELSI 1-year followup form
390	ghscale_1y	Num	8			SF36 general health scale at 1-year followup
391	mhscale_1y	Num	8			SF36 mental health scale at 1-year followup
392	dep	Num	8	11.	11.	SF < 50 achieved
393	totiron	Num	8	6.2	6.2	Total iron removed
394	health_pr	Num	8	4.		In general, your health is
395	sickeasy_pr	Num	8	4.		I seem to get sick a little easier
396	nervous_pr	Num	8	4.		Have you been a nervous person?
397	downdump_pr	Num	8	4.		Have you felt so down in the dumps that nothing could cheer you up?
398	calm_pr	Num	8	4.		Have you ever felt calm and peaceful?
399	happy_pr	Num	8	4.		Have you been a happy person?

Num	Variable	Type	Len	Format	Informat	Label
400	arthriti_pr	Num	8	4.		Is arthritis-like pain associated with hemochromatosis or iron overload?
401	diabetes_pr	Num	8	4.		Diabetes?
402	genetest_pr	Num	8	4.		Can a gene test tell you if you already have iron overload?
403	helpless_pr	Num	8	4.		You might feel helpless because you can't change your genes
404	badnews_pr	Num	8	4.		Genetic testing is not a good idea because you could be bringing bad news into your family?
405	environ_pr	Num	8	4.		The environment (water or air pollution)
406	fate_pr	Num	8	4.		Fate or chance (bad luck)
407	goodtrt_pr	Num	8	4.		There might be a good treatment by the time you developed the disease
408	heredity_pr	Num	8	4.		Heredity (it runs in your family)
409	lifestyl_pr	Num	8	4.		Lifestyle (ex. smoking, drinking, eating a high fat diet)
410	shareinf_pr	Num	8	4.		Information about a person's genetic risk should be shared with other family members
411	heirsmat	Num	8	4.	4.	Since hearing about HEIRS, how much have you used phone call or HEIRS written material to look for info on hemochromatosis / iron overload?
412	famember	Num	8	4.	4.	Since hearing about HEIRS, how much have you used family members to look for info on hemochromatosis / iron overload?
413	library	Num	8	4.	4.	Since hearing about HEIRS, how much have you used the library to look for info on hemochromatosis / iron overload?
414	internet	Num	8	4.	4.	Since hearing about HEIRS, how much have you used the internet to look for info on hemochromatosis / iron overload?
415	yourdoc	Num	8	4.	4.	Since hearing about HEIRS, how much have you used your doctor or health workers to look for info on hemochromatosis / iron overload?
416	notify1	Num	8	4.	4.	How were you notified of your test results?
417	feelnoti	Num	8	4.	4.	How do you feel about the way you were first notified about your results
418	clreasy	Num	8	4.	4.	I found information received from HEIRS to be clear and easy to understand
419	enough	Num	8	4.	4.	Received enough information from HEIRS about hemochromatosis and your test results?
420	stilques	Num	8	4.	4.	After receiving info and test results from HEIRS, do you still have questions about hemochromatosis/IO or test results?
421	goodidea	Num	8	4.	4.	I think genetic testing to find out about disease risk is a good idea
422	nogenes	Num	8	4.	4.	I do not have any known hemochromatosis gene variations
423	bothgene	Num	8	4.	4.	Have hemochromatosis gene variations in both hemochromatosis genes?
424	onegene	Num	8	4.	4.	I have hemochromatosis variation in one (not both) of my genes
425	donotio	Num	8	4.	4.	In your opinion, do you not have iron overload?
426	doio	Num	8	4.	4.	In your opinion, do you have iron overload?
427	infamily	Num	8	4.	4.	I have hemochromatosis gene variations that may also be present in family members
428	norecomm	Num	8	4.	4.	There were no specific recommendation made to me in my test results
429	talkmydr	Num	8	4.	4.	Were you told to talk to your personal physician in about your test results?

Num	Variable	Type	Len	Format	Informat	Label
430	mydrtest	Num	8	4.	4.	Were you told to have your personal physician test the amount of iron in your blood in response to your test results?
431	blddrawn	Num	8	4.	4.	Were you told to have blood drawn to lower the amount of iron in response to your test results?
432	talkfam	Num	8	4.	4.	Were you told to talk to family members about their possible risk for hemochromatosis/IO in response to your test results?
433	rechelp	Num	8	4.	4.	Do you think the test result recommendations will help your health?
434	followre	Num	8	4.	4.	Do you feel confident that you can follow the recommendations in your results?
435	upset	Num	8	4.	4.	Feeling upset, sad, or anxious about your test results?
436	relieved	Num	8	4.	4.	Since receiving test results, are you feeling relieved that no known hemochromatosis gene variations exist in your family?
437	losscont	Num	8	4.	4.	Feeling loss of control because of your test results?
438	probjoy	Num	8	4.	4.	Having problems enjoying life because of your test results?
439	worse	Num	8	4.	4.	Since receiving test results, are you worrying about your risk of developing hemochromatosis/IO or having your condition worsen?
440	morecont	Num	8	4.	4.	Feeling more in control of your future health since you have received your test results?
441	thinking	Num	8	4.	4.	Has thinking about your test results caused problems in your work or family life?
442	frustrat	Num	8	4.	4.	Feeling frustrated that no known hemochromatosis gene variations have been found that explain the iron overload in your family?
443	easyfoll	Num	8	4.	4.	Feeling relieved that the guidelines about how to deal with your results are clear?
444	worrying	Num	8	4.	4.	Are you worried about the confidentiality of your test results?
445	asgoodas	Num	8	4.	4.	Feeling that people don't think you are as good as they are?
446	riskfam	Num	8	4.	4.	Since receiving test results, are you worrying about the risk to your family?
447	feelglad	Num	8	4.	4.	Feeling glad that you took part in this research?
448	rskshare	Num	8	4.	4.	The person who has the genetic risk should share the info directly with family members?
449	drperm	Num	8	4.	4.	The doctor of the person at risk should inform family only if the person at risk gives permission?
450	drinform	Num	8	4.	4.	The doctor of the person at risk should inform family if the person at risk will not share info?
451	spouse	Num	8	4.	4.	Would you most likely share information about inherited health risk to your spouse?
452	children	Num	8	4.	4.	Would you most likely share information about inherited health risk to your children?
453	parents	Num	8	4.	4.	How likely would you share information about inherited health risk to your parents?
454	brothsis	Num	8	4.	4.	Would you most likely share information about inherited health risk to your brothers or sisters?
455	othrela	Num	8	4.	4.	How likely would you share information about inherited health risk to your other relatives?

Num	Variable	Type	Len	Format	Informat	Label
456	friends	Num	8	4.	4.	How likely would you share information about inherited health risk to your close friends?
457	doctor	Num	8	4.	4.	How likely would you share information about inherited health risk to your doctor?
458	employer	Num	8	4.	4.	How likely would you share information about inherited health risk to your employer?
459	spoutest	Num	8	4.	4.	How likely are you to encourage your spouse/partner to be tested for risk of hemochromatosis or iron overload?
460	prenatal	Num	8	4.	4.	How likely are you to have prenatal testing of your unborn child for risk of hemochromatosis or iron overload?
461	newborn	Num	8	4.	4.	How likely are you to have your future newborn children tested for risk of hemochromatosis or iron overload?
462	kids18	Num	8	4.	4.	How likely are you to have your kids under 18 tested for risk of hemochromatosis or iron overload?
463	adulthood	Num	8	4.	4.	How likely are you to encourage your children to get genetic testing for risk of hemochromatosis or iron overload?
464	b4marry	Num	8	4.	4.	How likely are you to encourage your children to get genetic testing for risk of hemochromatosis or iron overload before they get married?
465	b4child	Num	8	4.	4.	How likely are you to encourage your children to get genetic testing for risk of hemochromatosis or iron overload before they have children?
466	stress	Num	8	4.	4.	Do psychological factors (such as stress) have influence on why people get sick?
467	ashealth	Num	8	4.	4.	I am as health as anybody I know
468	getworse	Num	8	4.	4.	I expect my health to get worse
469	excellen	Num	8	4.	4.	My health is excellent
470	feltblue	Num	8	4.	4.	Have you felt downhearted and blue?
471	rankhemo	Num	8	4.	4.	Compared to other medical conditions, how serious is hemochromatosis?
472	impotent	Num	8	4.	4.	Is impotence associated with hemochromatosis or iron overload?
473	painmens	Num	8	4.	4.	Are painful menstrual periods associated with hemochromatosis or iron overload?
474	prostate	Num	8	4.	4.	Is prostate or ovarian cancer associated with hemochromatosis or iron overload?
475	heartab	Num	8	4.	4.	Are heart abnormalities associated with hemochromatosis or iron overload?
476	ms	Num	8	4.	4.	Multiple sclerosis
477	fatigue	Num	8	4.	4.	Is fatigue associated with hemochromatosis or iron overload?
478	asthma	Num	8	4.	4.	Is asthma associated with hemochromatosis or iron overload?
479	ironbad	Num	8	4.	4.	Too much iron in the blood is always bad?
480	ironbuil	Num	8	4.	4.	In hemochromatosis, iron builds up in the body and causes damage?
481	neverdie	Num	8	4.	4.	People never die because of hemochromatosis?
482	bldremov	Num	8	4.	4.	The best way to treat hemochromatosis is to have blood removed until iron levels go back to normal?
483	notreat	Num	8	4.	4.	There is no treatment for hemochromatosis?

Num	Variable	Type	Len	Format	Informat	Label
484	waterday	Num	8	4.	4.	Can people with hemochromatosis prevent symptoms by drinking 8 glasses of water a day?
485	organdam	Num	8	4.	4.	It is not important to treat hemochromatosis until organ damage has occurred
486	notknow	Num	8	4.	4.	Can a person have hemochromatosis and not know it?
487	highbp	Num	8	4.	4.	A person with hemochromatosis has too much blood, resulting in high blood pressure?
488	everyone	Num	8	4.	4.	Everyone who has variations in their hemochromatosis genes will have too much iron in their blood?
489	whites	Num	8	4.	4.	Only white people are at risk for iron overload?
490	allvary	Num	8	4.	4.	All variations in hemochromatosis genes increase your risk of having too much iron by the same amount?
491	womenear	Num	8	4.	4.	Women tend to develop hemochromatosis earlier in life than men?
492	sibsrisk	Num	8	4.	4.	If someone has hemochromatosis, their brothers and sisters are also at risk?
493	fam2gene	Num	8	4.	4.	An individual may have one variation in their hemochromatosis gene but others in the same family may have two genes with variations?
494	reassure	Num	8	4.	4.	Genetic testing is a good idea because you might not have the gene for the disease and would be reassured?
495	whatever	Num	8	4.	4.	Genetic testing is a good idea because it is always good to know whatever you can about your health?
496	curable	Num	8	4.	4.	Genetic testing is a good idea because I could get medical screening to catch disease at a curable stage?
497	changel	Num	8	4.	4.	Genetic testing is a good idea because you could change to a healthier lifestyle?
498	genether	Num	8	4.	4.	Genetic testing is a good idea because there might be gene therapy that could prevent you from getting the disease?
499	sharefam	Num	8	4.	4.	Genetic testing is a good idea because you can share this risk information with family members
500	prepare	Num	8	4.	4.	Genetic testing is a good idea because you can prepare better for the future?
501	insuranc	Num	8	4.	4.	You might have trouble getting or keeping health insurance
502	futuemp	Num	8	4.	4.	Genetic testing is not a good idea because employer or future employer can find out about your test results?
503	worrybad	Num	8	4.	4.	Genetic testing is not a good idea because you could spend a lot of time worrying about something that is still in the future?
504	lifeins	Num	8	4.	4.	Genetic testing is not a good idea because you might have trouble getting life or disability insurance?
505	lesslth	Num	8	4.	4.	Genetic testing is not a good idea because knowing that you had a gene that put you at risk could make you feel less healthy
506	droffice	Num	8	4.	4.	Is there a particular clinic/health center/doctor that you usually go to if you need service?
507	howlong	Num	8	4.	4.	How long has it been since you last visited a doctor for a routine check up?
508	cholest	Num	8	4.	4.	Cholesterol (mg)
509	seatbelt	Num	8	4.	4.	Do you use a seat belt when driving?

Num	Variable	Type	Len	Format	Informat	Label
510	sunscrn	Num	8	4.	4.	Do you use a sunscreen product?
511	hlthins	Num	8	4.	4.	Do you have health insurance?
512	mostcost	Num	8	4.	4.	If you have health insurance, who pays most of its cost?
513	disabins	Num	8	4.	4.	Do you have disability insurance?
514	lifepoli	Num	8	4.	4.	Do you have a life insurance policy?
515	school	Num	8	4.	4.	Highest grade of school completed
516	unemploy	Num	8	4.	4.	Unemployed?
517	selfemp	Num	8	4.	4.	Self employed?
518	fedgov	Num	8	4.	4.	Employed by federal government?
519	stategov	Num	8	4.	4.	Employed by state/province?
520	priv50	Num	8	4.	4.	Private employer (50 or fewer employees)
521	priv51	Num	8	4.	4.	Private employer (51 or more employees)
522	ghscale_pr	Num	8			SF-36 general health scale - post results
523	mhscale_pr	Num	8			SF-36 mental health scale - post results
524	final_decision	Num	8			Final adjudicated decision (1=None, 2=Primary, 3=Secondary, 4=IO & Anemia, 5=Indeterminate, 6=Multifactorial)
525	QPH_CCE_Flag	Char	35			QPH/Phleboomy/CCE Indicator
526	QPH_PRIOR_CCE	Char	2			Use for CCE iron-related lab data exclusions
527	QPH_PRIOR_QPH	Char	2			Use for QPH exclusions
528	hepatitis	Char	15	\$15.		Hepatitis B surface antigen or hepatitis C virus antibody
529	mhhep	Num	8	1.		19e - Ever told that you have/had hepatitis A, B, C, or other type?
530	diaghep	Char	15	\$15.		Hepatitis B, C, or other?
531	dsigned_is	Num	8	4.		Number of days from given date to date consent form signed (Screening)
532	dwithdrawn_is	Num	8	4.		Number of days from given date to consent withdrawal (Screening)
533	disform	Num	8	4.		Number of days from given date to initial screen form date
534	dsigned_cce	Num	8	4.		Number of days from given date to date consent form signed (CCE)
535	datehipaa	Num	8	4.		Number of days from given date to date hipaa authorization signed
536	dwithdrawn_cce	Num	8	4.		Number of days from given date to consent withdrawal (CCE)
537	dcavisit	Num	8	4.		Number of days from given date to date clinical assessment form was filled out
538	dmhvisit	Num	8	4.		Number of days from given date to date of visit
539	dmhavisit	Num	8	4.		Number of days from given date to date of visit
540	path_dvisit	Num	8	4.		Number of days from given date to date of pathology report
541	dbiopsy	Num	8	4.		Number of days from given date to liver biopsy
542	cr_dvisit	Num	8	4.		Number of days from given date to central reading
543	dprvisit	Num	8	4.		Number of days from given date to post results
544	dvisit_1y	Num	8	4.		Number of days from given date to 1-year post result follow-up
545	race	Num	8	4.		Participant's race (1=Hispanic 2=Asian/Pacific Islander 3=African American 4=Caucasian 5=Other)
546	genotype	Num	8	2.		Genotype

Num	Variable	Type	Len	Format	Informat	Label
547	sid_di	Char	11			Deidentified subject ID

Data Set Name: family.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	prefLang	Num	8	6.	6.	Preferred language
2	age	Num	8			Calculated age
3	gender	Char	20	\$20.		Gender (1=Male 2=Female)
4	MGS	Num	8	BEST5.	5.	Was this sample sent to MGS for additional genotyping?
5	Proband	Num	8	12.	12.	Is this person a proband?
6	firsttime	Num	8	4.	4.	6 - Is this the first time you have been asked to participate in this study?
7	hlthres	Num	8	4.	4.	7a - I want to help by taking part in research
8	drpart	Num	8	4.	4.	7b - My doctor thought that I should take part in this study
9	ironprob	Num	8	4.	4.	7c - I want to know if I have problems (too high or too low)
10	havehemo	Num	8	4.	4.	7d - I have iron overload or hemochromatosis
11	might	Num	8	4.	4.	7e - I think I might have iron overload or hemochromatosis
12	medcond	Num	8	4.	4.	7f - I have another medical condition
13	relahemo	Num	8	4.	4.	7g - My blood relative has/had iron overload or hemochromatosis
14	elsehemo	Num	8	4.	4.	7h - Someone else I know has/had iron overload or hemochromatosis
15	othreas	Num	8	4.	4.	7i - Other reason to take part in this study
16	toomuch	Num	8	4.	4.	7a - Too much iron in your body, iron overload or hemochromatosis
17	arthriti	Num	8	4.	4.	7b - Arthritis?
18	diabetes	Num	8	4.	4.	7c - Diabetes?
19	liver	Num	8	4.	4.	7d - Liver disease or liver cancer?
20	hrtfail	Num	8	4.	4.	7e - Heart failure
21	impot	Num	8	4.	4.	7f - Fertility problems or impotence
22	bldrela	Num	8	4.	4.	8 - Have any of your blood relatives had iron overload or hemochromatosis, or been treated by having their blood drawn on a regular basis?
23	anyone	Num	8	4.	4.	10 - Have you ever known anyone else who had to donate blood for his/her health?
24	pregnant	Num	8	4.	4.	9 - For women: pregnant, pregnant within the past 3 months, or breast feeding?
25	health	Num	8	4.	4.	10 - In general, your health is
26	sickeasy	Num	8	4.	4.	11a - I seem to get sick a little easier
27	hlthany	Num	8	4.	4.	11b - I am as healthy as anybody
28	hlthwors	Num	8	4.	4.	11c - I expect my health to get worse
29	hlthexc	Num	8	4.	4.	11d - My health is excellent
30	nervous	Num	8	4.	4.	12a - Have you been a nervous person?
31	downdump	Num	8	4.	4.	12b - Have you felt so down in the dumps that nothing could cheer you up?
32	calm	Num	8	4.	4.	12c - Have you ever felt calm and peaceful?
33	blue	Num	8	4.	4.	12d - Ever felt downhearted and blue?
34	happy	Num	8	4.	4.	12e - Have you been a happy person?

Num	Variable	Type	Len	Format	Informat	Label
35	shouldsh	Num	8	4.	4.	13 - Information about a person's genetic risk should be shared with other family members
36	genetest	Num	8	4.	4.	14 - Is genetic testing to find out about disease risk a good idea?
37	goodtrt	Num	8	4.	4.	15a - There might be a good treatment by the time you developed the disease
38	chglife	Num	8	4.	4.	15b - You could change to a healthier lifestyle to prevent getting the disease
39	prepfutu	Num	8	4.	4.	15c - Could you prepare better for the future?
40	shareinf	Num	8	4.	4.	15d - You could share this information with family members
41	insure	Num	8	4.	4.	16a - You might have trouble getting or keeping your insurance
42	helpless	Num	8	4.	4.	16b - You might feel helpless because you can't change your genes
43	feelless	Num	8	4.	4.	16c - Knowing that you had a gene that put you at risk could make you feel less healthy
44	badnews	Num	8	4.	4.	16d - You could be bringing bad news into your family
45	heredity	Num	8	4.	4.	17a - Heredity (it runs in your family)
46	environ	Num	8	4.	4.	17b - The environment
47	fate	Num	8	4.	4.	17c - Fate or chance (bad luck)
48	psycho	Num	8	4.	4.	17d - Psychological factors (ex. stress)
49	lifestyl	Num	8	4.	4.	17e - Lifestyle (ex. smoking, drinking, eating a high fat diet)
50	docvisit	Num	8	4.	4.	5 - I came in for a doctor visit or to have my blood drawn, and found out about it
51	phcall	Num	8	4.	4.	5 - I received a phone call or letter from the study, inviting me to participate
52	cameinto	Num	8	4.	4.	5 - I came into the clinic or lab with a friend or family member, and found out about it
53	newstv	Num	8	4.	4.	5 - I learned about it in the newspaper, in the community, on the TV, or on the radio
54	hearoth	Num	8	4.	4.	5 - Found out about it elsewhere
55	bldstore	Num	8	4.	4.	Permission to store blood?
56	hours	Num	8	6.1	6.1	Hours since last food
57	serum	Num	8	7.2	7.2	Serum iron
58	sf	Num	8	10.2	10.2	Serum ferritin
59	ts	Num	8	7.2	7.2	Transferrin saturation
60	uibc	Num	8	8.2	8.2	Unsaturated iron binding capacity
61	tibc	Num	8	8.2	8.2	Total iron binding capacity
62	labresult	Char	11			Participant genotype
63	height	Num	8			7 - Height (in)
64	weight	Num	8	6.1	6.1	8 - Body weight (lb)
65	BMI	Num	8			BMI
66	temper	Num	8	7.1	7.1	9 - Body temperature in fahrenheit
67	pulse	Num	8	4.	4.	10 - Pulse in beats per minute
68	sbp	Num	8	11.	11.	11 - Systolic blood pressure (mmHg)
69	dbp	Num	8	11.	11.	12 - Diastolic blood pressure (mmHg)

Num	Variable	Type	Len	Format	Informat	Label
70	hepatom	Num	8	4.	4.	13 - Liver: hepatomegaly
71	splenom	Num	8	4.	4.	14 - Liver: splenomegaly
72	brady	Num	8	4.	4.	15a - Heart Arrythmia: bradycardia
73	tachy	Num	8	4.	4.	15b - Heart Arrythmia: tachycardia (>100 beats per minute)
74	premacon	Num	8	4.	4.	15c - Heart Arrythmia: frequent premature contractions (>= ectopic beat per min.)
75	abnormal	Num	8	4.	4.	15d - Heart Arrythmia: other abnormal rhythm
76	murmur	Num	8	4.	4.	15e - Heart Arrythmia: murmur (any prolonged sound produced by the heart)
77	edema	Num	8	4.	4.	15f - Heart Arrythmia: edema
78	pigment	Num	8	4.	4.	16 - Skin: increased pigmentation on sun-exposed or unexposed areas
79	blister	Num	8	4.	4.	17 - Skin: blistering, ulcers, scarring of sun-exposed skin?
80	hypertri	Num	8	4.	4.	18 - Skin: hypertrichosis
81	mpjoints	Num	8	4.	4.	19 - Bones and joints: mp joints swollen or tender?
82	ts_cce	Num	8			% iron saturation iron binding protein (%)
83	sf_cce	Num	8			Serum ferritin concentration (ng/mL)
84	crp	Num	8			Serum concentration c-reactive protein (mg/dL)
85	alt	Num	8			Serum activity alanine aminotransferase
86	ast	Num	8			Serum activity aspartate aminotransferase
87	hapt	Num	8			Serum haptoglobin concentration (mg/dL)
88	bilt	Num	8			Serum concentration total bilirubin (mg/dL)
89	dbil	Num	8			Serum concentration direct bilirubin (mg/dL)
90	ibil	Num	8			Serum concentration indirect bilirubin (mg/dL)
91	ld	Num	8			Serum activity lactate dehydrogenase (U/L)
92	febr	Num	8			Serum iron binding capacity (ug/dL)
93	fer	Num	8			Serum iron concentration (ug/dL)
94	ggt	Num	8			Serum activity of gamma glutamyl transferase (U/L)
95	gluc	Num	8			Serum glucose concentration (mg/dL)
96	ha1	Num	8			Hemoglobin A1 (% total hemoglobin)
97	ha2	Num	8			Hemoglobin A2 (% total hemoglobin)
98	hbelp	Num	8			Abnormal hemoglobin type
99	hct	Num	8			Hematocrit (% red blood cells in whole blood)
100	hf	Num	8			Hemoglobin F-fetal (% total hemoglobin)
101	hgb	Num	8			Hemoglobin concentration (g/dL)
102	hgc	Num	8			Hemoglobin C (% total hemoglobin)
103	hge	Num	8			Hemoglobin E (% total hemoglobin)
104	hother	Num	8			Hemoglobin other (% total hemoglobin)
105	hs	Num	8			Hemoglobin S-sickle cell (% total hemoglobin)
106	ins	Num	8			Insulin concentration (mIU/L)

Num	Variable	Type	Len	Format	Informat	Label
107	mch	Num	8			Mean corpuscular hemoglobin/RBC (picograms)
108	mchc	Num	8			Mean corpuscular hemoglobin conc/RBC (g/dL)
109	mcv	Num	8			Mean corpuscular volume (femtoliters)
110	rbc	Num	8			Red blood cell count (# cells/10 ¹² /L)
111	rdw	Num	8			Red cell distribution width (%)
112	wbc	Num	8			White blood cell count (# cells/10 ⁹ /L)
113	retic	Num	8	6.1	6.1	Rediculocyte count (%)
114	plt	Num	8			Platelet (# platelets/10 ⁹ /L)
115	wneut	Num	8			Neutrophils (% neutrophils in WBC count)
116	wlymp	Num	8			Lymphocytes (% lymphocytes in WBC count)
117	wmono	Num	8			Monocytes (% monocytes in WBC count)
118	weos	Num	8			Eosinophils (% eosinophils in WBC count)
119	wbaso	Num	8			Basophils (% basophils in WBC count)
120	aneut	Num	8			Absolute neutrophils (# cells/10 ⁹ /L)
121	alymp	Num	8			Absolute lymphocytes (# cells/10 ⁹ /L)
122	amono	Num	8			Absolute monocytes (# cells/10 ⁹ /L)
123	aeos	Num	8			Absolute eosinophils (# cells/10 ⁹ /L)
124	abaso	Num	8			Absolute basophils (# cells/10 ⁹ /L)
125	ssFeetSw	Num	8	4.	4.	1 - Experienced swelling of feet or ankles?
126	ssSkinCh	Num	8	4.	4.	2 - Experienced change in skin color?
127	ssWeight	Num	8	4.	4.	3 - Experienced unexplained weight loss?
128	ssAdomSw	Num	8	4.	4.	4 - Experienced abdominal swelling or fluid
129	ssLossDr	Num	8	4.	4.	5 - Experienced trouble having an erection or loss of sexual drive?
130	ssChrFt	Num	8	4.	4.	6 - Repeatedly bothered by chronic fatigue/weakness
131	ssShrtBr	Num	8	4.	4.	7 - Repeatedly bothered by shortness of breath?
132	ssJntStf	Num	8	4.	4.	8 - Repeatedly bothered by joint stiffness/pain/ache?
133	ssThirst	Num	8	4.	4.	9 - Repeatedly bothered by excessive thirst?
134	ssPlyUr	Num	8	4.	4.	10 - Repeatedly bothered by polyuria (excessive urination)?
135	ssUnxAdm	Num	8	4.	4.	11 - Repeatedly bothered by unexplained abdominal pain or discomfort?
136	ssUnxCon	Num	8	4.	4.	12 - Repeatedly bothered by unexplained confusion?
137	mhHemo	Num	8	4.	4.	13 - Ever told that you have/had iron overload or hemochromatosis?
138	mhAnemia	Num	8	4.	4.	14 - Ever told that you have/had anemia (low iron)?
139	mhSC	Num	8	4.	4.	15 - Ever told that you have/had sickle cell anemia?
140	mhThal	Num	8	4.	4.	16 - Ever told that you have/had thalassemia or other inherited anemia?
141	mhBlood	Num	8	4.	4.	17 - Ever told that you have/had unusual blood loss?
142	mhDiab	Num	8	4.	4.	18 - Ever told that you have/had diabetes?
143	mhDiabMd	Num	8	4.	4.	18a - Are you taking medication for diabetes?
144	mhDiabIn	Num	8	4.	4.	18b - Are you taking insulin for diabetes?
145	mhDiabPl	Num	8	4.	4.	18c - Are you taking pills for diabetes?

Num	Variable	Type	Len	Format	Informat	Label
146	mhDiabTr	Num	8	4.	4.	18d - At what age was diabetes first treated?
147	mhLiver	Num	8	4.	4.	19 - Ever told that you have/had liver disease?
148	mhLivFat	Num	8	4.	4.	19a - Ever told that you have/had fatty liver?
149	mhLivCir	Num	8	4.	4.	19b - Ever told that you have/had cirrhosis?
150	mhLivCan	Num	8	4.	4.	19c - Ever told that you have/had liver cancer?
151	mhThyr	Num	8	4.	4.	20 - Ever told that you have/had thyroid disease?
152	mhHrt	Num	8	4.	4.	21 - Ever told that you have/had heart failure or weak heart?
153	mhHrtAb	Num	8	4.	4.	22 - Ever told that you have/had abnormal heart rhythm, heart beat, or action/arrythmia?
154	mhHrtOth	Num	8	4.	4.	23 - Ever told that you have/had other heart disease or heart attack?
155	mhArth	Num	8	4.	4.	24 - Ever told that you have/had arthritis?
156	mhOsteo	Num	8	4.	4.	25 - Ever told that you have/had osteoporosis?
157	mhPorph	Num	8	4.	4.	26 - Ever told that you have/had porphyria cutanea tarda?
158	mhChrInf	Num	8	4.	4.	28 - Ever told that you have/had chronic inflammation, chronic infection, autoimmune disease, or lupus?
159	mhCancer	Num	8	4.	4.	29 - Ever told that you have/had cancers?
160	mhChemo	Num	8	4.	4.	30 - Ever had chemotherapy or bone marrow transplant?
161	rhMenPr	Num	8	4.	4.	31a - Ever seen a doctor for menstrual problems?
162	rhBleed	Num	8	4.	4.	31b - Ever seen a doctor for in-between bleeding?
163	rhStop	Num	8	4.	4.	31c - Ever seen a doctor for early stopping of periods?
164	rhPreg	Num	8	4.	4.	32 - Ever been pregnant?
165	rhPregNm	Num	8	4.	4.	32a - Number of pregnancies
166	rhBirths	Num	8	4.	4.	32b - Number of live births
167	rhPregC	Num	8	4.	4.	33 - Are you currently pregnant?
168	rhMen	Num	8	4.	4.	34 - Gone through menopause?
169	rhMenAge	Num	8	4.	4.	34a - Age at menopause?
170	rhMenar	Num	8	4.	4.	35 - Age at menarche?
171	rhHyst	Num	8	4.	4.	36 - Had a hysterectomy?
172	rhHysAge	Num	8	4.	4.	36a - Age at hysterectomy?
173	btEver	Num	8	4.	4.	37 - Ever had blood transfusions?
174	btTotal	Num	8	4.	4.	37a - Number of pints/units transfused in a lifetime?
175	btWhole	Num	8	4.	4.	38 - Ever donated whole blood at a blood bank?
176	btWholeU	Num	8	4.	4.	38a - Number of whole blood units in lifetime?
177	liBrRest	Num	8	4.	4.	39a - Get short of breath while resting in a chair?
178	liBrLvel	Num	8	4.	4.	39b - Get short of breath while walking on level ground?
179	liBrQuik	Num	8	4.	4.	39c - Get short of breath when walking quickly or uphill?
180	liAlcoh	Num	8	4.	4.	40 - Ever consumed alcoholic beverages?
181	liAlcAge	Num	8	4.	4.	41 - Age started consuming alcoholic beverages?
182	liAlcPr	Num	8	4.	4.	42 - Presently drink alcoholic beverages?

Num	Variable	Type	Len	Format	Informat	Label
183	liAlcYr	Num	8	4.	4.	42a - Number of years have been drinking alcoholic beverages?
184	liAlcYrN	Num	8	4.	4.	42b - Number of years did you drink alcoholic beverages?
185	liAlcNum	Num	8	4.	4.	42c - Usual number of drinks you had per week before stopping?
186	dmGrade	Num	8	6.	6.	43 - Highest grade of school completed
187	dmgender	Num	8	6.	6.	Family member: what is your gender?
188	gt10	Num	8	4.	4.	37b - Have you had more than 10 pints/units transfused in a lifetime?
189	phleb	Num	8	4.	4.	Have you ever had phlebotomy as treatment for your iron overload or HH?
190	biopsy	Num	8	4.	4.	Have you ever had liver biopsy?
191	q368	Char	1	\$1.	\$1.	Regular or draft beer frequency
192	q369	Char	1	\$1.	\$1.	Light beer frequency
193	q370	Char	1	\$1.	\$1.	White or pink wine frequency
194	q371	Char	1	\$1.	\$1.	Red wine frequency
195	q372	Char	1	\$1.	\$1.	Hard liquor frequency
196	q375	Char	1	\$1.	\$1.	Regular or draft beer serving size
197	q376	Char	1	\$1.	\$1.	Light beer serving size
198	q377	Char	1	\$1.	\$1.	White or pink wine serving size
199	q378	Char	1	\$1.	\$1.	Red wine serving size
200	q379	Char	1	\$1.	\$1.	Hard liquor serving size
201	alc	Num	8	15.3	15.3	Alcohol (g)
202	iron	Num	8	15.3	15.3	Iron (mg)
203	siron	Num	8	15.3	15.3	Iron from supplements (mg)
204	siron2	Num	8	15.3	15.3	Iron from supplements where use was >= 2 years (mg)
205	dmfpiron	Num	8	15.3	15.3	Daily meat-fish-poultry (MFP) iron (mg)
206	diagnone	Num	8	4.	4.	None indicated
207	diagalcohol	Num	8	4.	4.	Alcohol liver disease?
208	diagcirrhosis	Num	8	4.	4.	Cirrhosis?
209	diagnash	Num	8	4.	4.	Non-alcoholic steatohepatitis (NASH)?
210	diagfatliver	Num	8	4.	4.	Fatty liver?
211	diagfibrosis	Num	8	4.	4.	Fibrosis?
212	diagprime	Num	8	4.	4.	Primary hemochromatosis?
213	diagsecond	Num	8	4.	4.	Secondary hemochromatosis?
214	diagnospec	Num	8	4.	4.	Hemochromatosis not specified
215	diagsecio	Num	8	4.	4.	Hemosiderosis (secondary iron overload)?
216	diagotherio	Num	8	4.	4.	Other iron overload?
217	diagotherld	Num	8	4.	4.	Other liver disease?
218	biliary	Num	8	4.	4.	Biliary epithelium
219	mallory	Num	8	4.	4.	Mallory bodies
220	kupffer	Num	8	4.	4.	Kupffer cells/macrophages
221	hepaprose	Num	8	4.	4.	Hepatocytes: If prose only

Num	Variable	Type	Len	Format	Informat	Label
222	hepagrade4	Num	8	4.	4.	Hepatocytes: Graded on a four point scale grade
223	hepagrade6	Num	8	4.	4.	Hepatocytes: Graded on a six point scale grade
224	hepironconc	Num	8	4.	4.	Is the hepatic iron concentration available?
225	dryweight1	Num	8	7.1	7.1	If HIC is available, indicate dry weight (umol/g)
226	dryweight2	Num	8	7.1	7.1	If HIC is available, indicate dry weight (ug/g)
227	wetweight1	Num	8	7.1	7.1	If HIC is available, indicate wet weight (umol/g)
228	wetweight2	Num	8	7.1	7.1	If HIC is available, indicate wet weight (ug/g)
229	partage	Num	8	11.	11.	Participant's age in years
230	phlebtrt_count	Num	8			Number of phlebotomy treatment forms submitted
231	told1st	Num	8	4.	4.	1 - who first told you about the HEIRS study
232	knowhemo	Num	8	4.	4.	2 - how much did you know about hemo or IO before...
233	heirmsat	Num	8	4.	4.	3a - phone call or written material from HIERS
234	famember	Num	8	4.	4.	3b - family member
235	library	Num	8	4.	4.	3c - the library
236	internet	Num	8	4.	4.	3d - the internet
237	yourdoc	Num	8	4.	4.	3e - your doctor or other health workers
238	hemofam	Num	8	4.	4.	4 - did you know there might be hemo in your family
239	donate	Num	8	4.	4.	5 - did you know of any fam members who donate blood regularly for health
240	clreasy	Num	8	4.	4.	6a - I found the info I received to be clear and easy to understand
241	enough	Num	8	4.	4.	6b - I received enough information
242	stilques	Num	8	4.	4.	6c - I still have questions about hemochromatosis and IO or my test results
243	goodidea	Num	8	4.	4.	7 - in general, I think genetic testing to find out about disease risk is a good idea
244	nogenes	Num	8	4.	4.	8a - I do not have any known hemo gene variations
245	bothgene	Num	8	4.	4.	8b - I have hemo gene variations in both genes
246	onegene	Num	8	4.	4.	8c - I have hemo gene variations in one, but not both genes
247	donotio	Num	8	4.	4.	8d - I do not have iron overload
248	doio	Num	8	4.	4.	8e - I do have iron overload
249	infamily	Num	8	4.	4.	8f - I have hemo gene variations that may also be present in members of my family
250	norecomm	Num	8	4.	4.	9a - there were no specific recommendations made to me
251	talkmydr	Num	8	4.	4.	9b - talk to my personal physician about my test results
252	mydrtest	Num	8	4.	4.	9c - have my personal physician test the amount of iron in my blood...
253	blddrawn	Num	8	4.	4.	9d - have my blood drawn to lower the amount of iron in my blood
254	talkfam	Num	8	4.	4.	9e - talk to family members about their possible risk for hemo or IO
255	rechelp	Num	8	4.	4.	10 - do you think that these recommendations will help your health
256	followre	Num	8	4.	4.	11 - do you feel that you can follow the recommendations
257	upset	Num	8	4.	4.	12a - feeling upset, sad or anxious about your test results

Num	Variable	Type	Len	Format	Informat	Label
258	relieved	Num	8	4.	4.	12b - feeling relieved that no known hemo gene variations exist in your family
259	losscont	Num	8	4.	4.	12c - feeling a loss of control because of your test results
260	probjoy	Num	8	4.	4.	12d - having problems enjoying your life because of your test results
261	worse	Num	8	4.	4.	12e - worrying about your risk of developing IO or hemo or having your condition get worse
262	morecont	Num	8	4.	4.	12f - feeling more in control of your future health
263	thinking	Num	8	4.	4.	12g - thinking about you yest results has caused problems in your work or family life
264	frustrat	Num	8	4.	4.	12h - feeling frustrated that no known hemo gene variations have been found to explain the IO in your family
265	easyfoll	Num	8	4.	4.	12i - feeling relieved that the guidelines are so clear and easy to follow
266	worrying	Num	8	4.	4.	12j - worrying about the confidentiality of your test results
267	asgoodas	Num	8	4.	4.	12k - feeling that people don't think you are as good as they are
268	riskfam	Num	8	4.	4.	12l - worrying about the risk to your family members
269	feelglad	Num	8	4.	4.	12m - feeling glad that you took part in this research
270	rskshare	Num	8	4.	4.	13a - the person who has the genetic risk should share the info directly with family members
271	drperm	Num	8	4.	4.	13b - the doctor of the person at risk should inform family members only if the person gives permission
272	drinform	Num	8	4.	4.	13c - the doctor of the person at risk should inform family member if the person at risk will not share the info
273	spouse	Num	8	4.	4.	14a - spouse or partner
274	children	Num	8	4.	4.	14b - children
275	parents	Num	8	4.	4.	14c - parents
276	brothisis	Num	8	4.	4.	14d - brothers and sisters
277	othrela	Num	8	4.	4.	14e - other relatives
278	friends	Num	8	4.	4.	14f - close friends
279	doctor	Num	8	4.	4.	14g - doctor
280	employer	Num	8	4.	4.	14h - employer
281	spoutest	Num	8	4.	4.	15a - encouraged your spouse to be tested for hemo/IO
282	prenatal	Num	8	4.	4.	15b - had prenatal testing of your unborn children for risk of hemo/IO
283	newborn	Num	8	4.	4.	15c - had your newborn children tested for risk of hemo/IO
284	kids18	Num	8	4.	4.	15d - had your children under 18 tested for risk of hemo/IO
285	adultkid	Num	8	4.	4.	15e - encouraged adult children to get genetic testing for risk of hemo/IO
286	b4marry	Num	8	4.	4.	15f - encouraged adult children to get genetic testing before they get married
287	b4child	Num	8	4.	4.	15g - encouraged adult children to get genetic testing before they have children
288	stress	Num	8	4.	4.	16d - psychological factors
289	ashealth	Num	8	4.	4.	18b - I am as health as anybody I know
290	getworse	Num	8	4.	4.	18c - I expect my health to get worse

Num	Variable	Type	Len	Format	Informat	Label
291	excellen	Num	8	4.	4.	18d - my health is excellent
292	rankhemo	Num	8	4.	4.	20 - compared to other medical conditions, I would rank hemo as...
293	reassure	Num	8	4.	4.	21b - you might not have the gene for the disease and would be reassured
294	whatever	Num	8	4.	4.	21c - it is always good to know whatever you can about your health
295	curable	Num	8	4.	4.	21d - you could get frequent medical screening to catch the disease at a curable stage
296	changels	Num	8	4.	4.	21e - you could change to a healthier lifestyle
297	genether	Num	8	4.	4.	21f - there might be gene therapy that could prevent you from getting the disease
298	sharefam	Num	8	4.	4.	21g - you could share this risk info with family members
299	prepare	Num	8	4.	4.	21h - you could prepare better for the future
300	insuranc	Num	8	4.	4.	21i - you might have trouble getting or keeping health insurance
301	futuemp	Num	8	4.	4.	21k - it could be a problem if an employer found out
302	worrybad	Num	8	4.	4.	21l - you could spend a lot of time worrying about something bad that is still in the future
303	lifeins	Num	8	4.	4.	21m - you might have trouble getting life or disability insurance
304	lesslth	Num	8	4.	4.	21n - knowing that you have a gene that put you at risk could make you feel less healthy
305	feltblue	Num	8	4.	4.	19d - have you felt downhearted and blue
306	droffice	Num	8	4.	4.	is there one particular clinic that you go to
307	howlong	Num	8	4.	4.	how long since your last routine checkup
308	cholest	Num	8	4.	4.	do you know your cholesterol level
309	seatbelt	Num	8	4.	4.	do you use a seatbelt when driving
310	sunscrn	Num	8	4.	4.	do you use a sunscreen product
311	hlthins	Num	8	4.	4.	do you have health insurance
312	mostcost	Num	8	4.	4.	if you have hlth ins, who pays for most of the cost
313	disabins	Num	8	4.	4.	do you have disability insurance
314	lifepoli	Num	8	4.	4.	do you have a life insurance policy
315	unemploy	Num	8	4.	4.	unemployed
316	selfemp	Num	8	4.	4.	self employed
317	fedgov	Num	8	4.	4.	employed by federal government
318	stategov	Num	8	4.	4.	employed by state/province
319	priv50	Num	8	4.	4.	private employer (50 or fewer employees)
320	priv51	Num	8	4.	4.	private employer (51 or more employees)
321	hrdOther	Num	8	4.	4.	3f - other
322	infshare	Num	8	4.	4.	13 - information about a person's genetic risk should be shared with other family members
323	ELSI_fam	Char	1			returned Family Study Post Result form
324	ghscale_prfam	Num	8			SF36 general health scale at 1-year followup
325	mhscale_prfam	Num	8			SF36 mental health scale at 1-year followup

Num	Variable	Type	Len	Format	Informat	Label
326	badnews_prfam	Num	8			You could be bringing bad news into your family
327	goodtrt_prfam	Num	8			There might be a good treatment by the time you developed the disease
328	nervous_prfam	Num	8			Have you been a nervous person?
329	downdump_prfam	Num	8			Have you felt so down in the dumps that nothing could cheer you up?
330	calm_prfam	Num	8			Have you ever felt calm and peaceful?
331	happy_prfam	Num	8			Have you been a happy person?
332	sickeasy_prfam	Num	8			I seem to get sick a little easier
333	health_prfam	Num	8			In general, your health is
334	heredity_prfam	Num	8			Heredity (it runs in your family)
335	fate_prfam	Num	8			Fate or chance (bad luck)
336	environ_prfam	Num	8			The environment (water or air pollution)
337	lifestyl_prfam	Num	8			Lifestyle (ex. smoking, drinking, eating a high fat diet)
338	helpless_prfam	Num	8			You might feel helpless because you can't change your genes
339	hepatitis	Char	15	\$15.		Hepatitis B surface antigen or hepatitis C virus antibody
340	diaghep	Char	15	\$15.		Hepatitis B, C, or other?
341	mhhep	Num	8	1.		19e - Ever told that you have/had hepatitis A, B, C, or other type?
342	dvisit_cce	Num	8	4.		Number of days from given date to CCE
343	dbiopsy	Num	8	4.		Number of days from given date to liver biopsy
344	dvisit_prfam	Num	8	4.		Number of days from given date to one year follow-up form
345	race	Num	8	1.		Participant's race (1=Hispanic 2=Asian/Pacific Islander 3=African American 4=Caucasian 5=Other)
346	sid_di	Char	11			Deidentified subject ID

Data Set Name: family_history.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	person	Num	8	4.	4.	Relationship with participant
2	gender	Num	8	4.	4.	Gender (1=Male 2=Female)
3	noinfo	Num	8	4.	4.	No information for any fields
4	hemo	Num	8	4.	4.	Hemochromatosis or iron overload?
5	alcohol	Num	8	4.	4.	Alcoholism?
6	arthrit	Num	8	4.	4.	Arthritis?
7	cirrhos	Num	8	4.	4.	Cirrhosis of the liver?
8	diabetes	Num	8	4.	4.	Diabetes?
9	heartdis	Num	8	4.	4.	Heart disease?
10	livercan	Num	8	4.	4.	Liver cancer?
11	agehemo	Num	8	4.	4.	Age at hemochromatosis diagnosis
12	agealco	Num	8	4.	4.	Age at alcoholism diagnosis
13	agearth	Num	8	4.	4.	Age at arthritis diagnosis
14	agecirr	Num	8	4.	4.	Age at cirrhosis diagnosis
15	agediab	Num	8	4.	4.	Age at diabetes diagnosis
16	ageheart	Num	8	4.	4.	Age at heart disease diagnosis
17	ageliver	Num	8	4.	4.	Age at liver cancer diagnosis
18	dvisit	Num	8	4.		Number of days from given date to form completion
19	sid_di	Char	11			Deidentified subject ID

Data Set Name: food_frequency.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	cal	Num	8	15.3	15.3	Calories (Kcal)
2	protein	Num	8	15.3	15.3	Protein (g)
3	totFat	Num	8	15.3	15.3	Total fat (g)
4	satFat	Num	8	15.3	15.3	Saturated fat (g)
5	monoFat	Num	8	15.3	15.3	Monounsaturated fat (g)
6	polyFat	Num	8	15.3	15.3	Polyunsaturated fat (g)
7	chol	Num	8	15.3	15.3	Cholesterol (mg)
8	carb	Num	8	15.3	15.3	Carbohydrate (g)
9	starch	Num	8	15.3	15.3	Starch (g)
10	tdFiber	Num	8	15.3	15.3	Total dietary fiber (g)
11	inPoly	Num	8	15.3	15.3	Insoluble Nonstarch Polysaccharids (g)
12	snPoly	Num	8	15.3	15.3	Soluble nonstarch polysaccharids (g)
13	calcium	Num	8	15.3	15.3	Calcium (mg)
14	phos	Num	8	15.3	15.3	Phosphorus (mg)
15	mag	Num	8	15.3	15.3	Magnesium (mg)
16	iron	Num	8	15.3	15.3	Iron (mg)
17	sodium	Num	8	15.3	15.3	Sodium (mg)
18	potassiu	Num	8	15.3	15.3	Potassium (mg)
19	zinc	Num	8	15.3	15.3	Zinc (mg)
20	copper	Num	8	15.3	15.3	Copper (mg)
21	selenium	Num	8	15.3	15.3	Selenium (mcg)
22	mang	Num	8	15.3	15.3	Manganese (mg)
23	iodine	Num	8	15.3	15.3	Iodine (mcg)
24	vitAIU	Num	8	15.3	15.3	Vitamin A (IU)
25	vitARE	Num	8	15.3	15.3	Vitamin A (RE)
26	alphaCar	Num	8	15.3	15.3	Alpha-Carotene (mcg)
27	betaCar	Num	8	15.3	15.3	Beta-Carotene(mcg)
28	betaCryp	Num	8	15.3	15.3	Beta-Cryptoxanthin(mcg)
29	lycopene	Num	8	15.3	15.3	Lycopene (mcg)
30	lutein	Num	8	15.3	15.3	Lutein (mcg)
31	thiamin	Num	8	15.3	15.3	Thiamin (mg)
32	ribo	Num	8	15.3	15.3	Riboflavin (mg)
33	niacin	Num	8	15.3	15.3	Niacin (mg)
34	pantAcid	Num	8	15.3	15.3	Pantothenic Acid (mg)
35	vB6	Num	8	15.3	15.3	Vitamin B6 (mg)
36	folacin	Num	8	15.3	15.3	Folacin (mcg)

Num	Variable	Type	Len	Format	Informat	Label
37	vB12	Num	8	15.3	15.3	Vitamin B-12 (mcg)
38	vC	Num	8	15.3	15.3	Vitamin C (mg)
39	vD	Num	8	15.3	15.3	Vitamin D (IU)
40	vE	Num	8	15.3	15.3	Vitamin E (mg)
41	nitrate	Num	8	15.3	15.3	Nitrate (mg)
42	nitrite	Num	8	15.3	15.3	Nitrite (mg)
43	nitrosam	Num	8	15.3	15.3	Nitrosamine (mcg)
44	caffeine	Num	8	15.3	15.3	Caffeine (mg)
45	alc	Num	8	15.3	15.3	Alcohol (g)
46	gen	Num	8	15.3	15.3	Genistein (mg)
47	daid	Num	8	15.3	15.3	Daidzein (mg)
48	glycit	Num	8	15.3	15.3	Glycitein (mg)
49	totIso	Num	8	15.3	15.3	Total isoflavonoids (mg)
50	pctCalPr	Num	8	15.3	15.3	% of calories from protein
51	pctCalTf	Num	8	15.3	15.3	% of calories from total fat
52	pctCalSf	Num	8	15.3	15.3	% of calories from saturated fat
53	pctCalC	Num	8	15.3	15.3	% of calories from carbohydrates
54	pctCalA	Num	8	15.3	15.3	% of calories from alcohol
55	sVA	Num	8	15.3	15.3	Vitamin A from supplements (mcg)
56	sAscAcid	Num	8	15.3	15.3	Ascorbic acid from supplements (mg)
57	sVE	Num	8	15.3	15.3	Vitamin E from supplements (mg)
58	sBetaCar	Num	8	15.3	15.3	Beta-carotene from supplements (mcg)
59	sCal	Num	8	15.3	15.3	Calcium from supplements (mg)
60	sSele	Num	8	15.3	15.3	Selenium from supplements (mcg)
61	sIron	Num	8	15.3	15.3	Iron from supplements (mg)
62	sFolAcid	Num	8	15.3	15.3	Folic acid from supplements (mcg)
63	sNiacin	Num	8	15.3	15.3	Niacin from supplements (mg)
64	sRibo	Num	8	15.3	15.3	Riboflavin (B2) from supplements (mg)
65	sThiamin	Num	8	15.3	15.3	Thiamin (B1) from supplements where use was >= 2 years (mg)
66	sVB6	Num	8	15.3	15.3	Vitamin B-6 from supplements (mg)
67	sVB12	Num	8	15.3	15.3	Vitamin B-12 from supplements (mcg)
68	sZinc	Num	8	15.3	15.3	Zinc from supplements (mg)
69	sPhos	Num	8	15.3	15.3	Phosphorus from supplements (mg)
70	sMag	Num	8	15.3	15.3	Magnesium from supplements (mg)
71	sPota	Num	8	15.3	15.3	Potassium from supplements (mg)
72	sCopper	Num	8	15.3	15.3	Copper from supplements (mg)
73	sMang	Num	8	15.3	15.3	Manganese from supplements (mg)
74	sIodine	Num	8	15.3	15.3	Iodine from supplements (mg)
75	sPanAcid	Num	8	15.3	15.3	Pantothenic acid from supplements (mg)

Num	Variable	Type	Len	Format	Informat	Label
76	sVD	Num	8	15.3	15.3	Vitamin D from supplements (IU)
77	sVA2	Num	8	15.3	15.3	Vitamin A from supplements where use was >= 2 years (mcg)
78	sAscA2	Num	8	15.3	15.3	Ascorbic acid from supplements where use was >= 2 years (mg)
79	sVE2	Num	8	15.3	15.3	Vitamin E from supplements where use was >= 2 years (mg)
80	sBeta2	Num	8	15.3	15.3	Beta-carotene from supplements where use was >= 2 years (mcg)
81	sCalc2	Num	8	15.3	15.3	Calcium from supplements where use was >= 2 years (mg)
82	sSele2	Num	8	15.3	15.3	Selenium from supplements where use was >= 2 years (mcg)
83	sIron2	Num	8	15.3	15.3	Iron from supplements where use was >= 2 years (mg)
84	sFolic2	Num	8	15.3	15.3	Folic acid from supplements where use was >= 2 years (mcg)
85	sNiacin2	Num	8	15.3	15.3	Niacin from supplements where use was >= 2 years (mg)
86	sRibo2	Num	8	15.3	15.3	Riboflavin (B2) from supplements where use was >= 2 years (mg)
87	sThia2	Num	8	15.3	15.3	Thiamin (B1) from supplements (mg)
88	sB62	Num	8	15.3	15.3	Vitamin B-6 from supplements where use was >= 2 years (mg)
89	sB122	Num	8	15.3	15.3	Vitamin B-12 from supplements where use was >= 2 years (mcg)
90	sZinc2	Num	8	15.3	15.3	Zinc from supplements where use was >= 2 years (mg)
91	sPhos2	Num	8	15.3	15.3	Phosphorus from supplements where use was >= 2 years (mg)
92	sMag2	Num	8	15.3	15.3	Magnesium from supplements where use was >= 2 years (mg)
93	sPota2	Num	8	15.3	15.3	Potassium from supplements where use was >= 2 years (mg)
94	sCopper2	Num	8	15.3	15.3	Copper from supplements where use was >= 2 years (mg)
95	sMang2	Num	8	15.3	15.3	Manganese from supplements where use was >= 2 years (mg)
96	sIodine2	Num	8	15.3	15.3	Iodine from supplements where use was >= 2 years (mg)
97	sPantA2	Num	8	15.3	15.3	Pantothenic acid from supplements where use was >= 2 years (mg)
98	sVD2	Num	8	15.3	15.3	Vitamin D from supplements where use was >= 2 years (IU)
99	DMFPIron	Num	8	15.3	15.3	Daily Meat-Fish-Poultry (MFP) Iron (mg)
100	q52	Char	1	\$1.	\$1.	Have you ever smoked a total of 20 or more packs of cigarettes in your lifetime?
101	q53	Char	1	\$1.	\$1.	If yes, what is the total number of years you smoked?
102	q54	Char	1	\$1.	\$1.	What is the average number of cigarettes that you smoked per day?
103	q55	Char	1	\$1.	\$1.	If you quit smoking, how long ago did you quit?
104	q56	Char	1	\$1.	\$1.	Cream soup or chowder frequency
105	q57	Char	1	\$1.	\$1.	Dried bean or pea (legume soup frequency
106	q58	Char	1	\$1.	\$1.	Tomato or vegetable soup frequency
107	q59	Char	1	\$1.	\$1.	Miso soup frequency
108	q60	Char	1	\$1.	\$1.	Broth with noodles or rice frequency
109	q61	Char	1	\$1.	\$1.	Mexican meat soup or stew frequency
110	q62	Char	1	\$1.	\$1.	Ramen or saimin frequency
111	q63	Char	1	\$1.	\$1.	Jook frequency
112	q64	Char	1	\$1.	\$1.	Cream soup or chowder serving size
113	q65	Char	1	\$1.	\$1.	Dried bean or pea (legume) soup serving size
114	q66	Char	1	\$1.	\$1.	Tomato or vegetable soup serving size

Num	Variable	Type	Len	Format	Informat	Label
115	q67	Char	1	\$1.	\$1.	Miso soup serving size
116	q68	Char	1	\$1.	\$1.	Broth with noodles or rice serving size
117	q69	Char	1	\$1.	\$1.	Mexican meat soup or stew serving size
118	q70	Char	1	\$1.	\$1.	Ramen or saimin serving size
119	q71	Char	1	\$1.	\$1.	Jook serving size
120	q72	Char	1	\$1.	\$1.	Chow mein, chow fun, or yakisoba frequency
121	q73	Char	1	\$1.	\$1.	Spaghetti, ravioli, lasagna, or other pasta w/ tomato sauce frequency
122	q74	Char	1	\$1.	\$1.	Macaroni & cheese or other pasta & cheese casseroles frequency
123	q75	Char	1	\$1.	\$1.	Macaroni or potato salad frequency
124	q76	Char	1	\$1.	\$1.	Pasta or somen salad frequency
125	q77	Char	1	\$1.	\$1.	Noodle casseroles frequency
126	q78	Char	1	\$1.	\$1.	Pasta with cream sauce frequency
127	q79	Char	1	\$1.	\$1.	Arroz con pollo frequency
128	q80	Char	1	\$1.	\$1.	Stew, curry, pot pie or empanada (beef or lamb) frequency
129	q81	Char	1	\$1.	\$1.	Stew, curry, pot pie or empanada (chicken or turkey) frequency
130	q82	Char	1	\$1.	\$1.	Chow mein, chow fun, or yakisoba serving size
131	q83	Char	1	\$1.	\$1.	Spaghetti, ravioli, lasagna, or other pasta w/ tomato sauce serving size
132	q84	Char	1	\$1.	\$1.	Macaroni & cheese or other pasta & cheese casseroles serving size
133	q85	Char	1	\$1.	\$1.	Macaroni or potato salad serving size
134	q86	Char	1	\$1.	\$1.	Pasta or somen salad serving size
135	q87	Char	1	\$1.	\$1.	Noodle casseroles serving size
136	q88	Char	1	\$1.	\$1.	Pasta with cream serving size
137	q89	Char	1	\$1.	\$1.	Arroz con pollo serving size
138	q90	Char	1	\$1.	\$1.	Stew, curry, pot pie or empanada (beef or lamb) serving size
139	q91	Char	1	\$1.	\$1.	Stew, curry, pot pie or empanada (chicken or turkey) serving size
140	q92	Char	1	\$1.	\$1.	Stir-fried beef or pork & vegetables, or fajitas frequency
141	q93	Char	1	\$1.	\$1.	Stir-fried chicken & vegetables, or fajitas frequency
142	q94	Char	1	\$1.	\$1.	Stir-fried shrimp or fish and vegetables frequency
143	q95	Char	1	\$1.	\$1.	Stir-fried vegetables frequency
144	q96	Char	1	\$1.	\$1.	Pork and greens or laulaus frequency
145	q97	Char	1	\$1.	\$1.	Chili frequency
146	q98	Char	1	\$1.	\$1.	Hamburgers (on a bun) frequency
147	q99	Char	1	\$1.	\$1.	Cheeseburgers (on a bun) frequency
148	q100	Char	1	\$1.	\$1.	Meat loaf, meatballs, or patties frequency
149	q101	Char	1	\$1.	\$1.	Pizza frequency
150	q102	Char	1	\$1.	\$1.	Stir-fried beef or pork & vegetables, or fajitas serving size
151	q103	Char	1	\$1.	\$1.	Stir-fried chicken & vegetables, or fajitas serving size
152	q104	Char	1	\$1.	\$1.	Stir-fried shrimp or fish and vegetables serving size
153	q105	Char	1	\$1.	\$1.	Stir-fried vegetables serving size

Num	Variable	Type	Len	Format	Informat	Label
154	q106	Char	1	\$1.	\$1.	Pork and greens or laulau serving size
155	q107	Char	1	\$1.	\$1.	Chili serving size
156	q108	Char	1	\$1.	\$1.	Hamburgers (on a bun) serving size
157	q109	Char	1	\$1.	\$1.	Cheeseburgers (on a bun) serving size
158	q110	Char	1	\$1.	\$1.	Meat loaf, meatballs, or patties serving size
159	q111	Char	1	\$1.	\$1.	Pizza serving size
160	q112	Char	1	\$1.	\$1.	Beef steak or roast, veal or lamb frequency
161	q113	Char	1	\$1.	\$1.	Shortribs frequency
162	q114	Char	1	\$1.	\$1.	Corned beef frequency
163	q115	Char	1	\$1.	\$1.	Corned beef hash frequency
164	q116	Char	1	\$1.	\$1.	Pork chops or roasts, kalua pig, or carnitas frequency
165	q117	Char	1	\$1.	\$1.	Ham frequency
166	q118	Char	1	\$1.	\$1.	Ham hocks or pig's feet frequency
167	q119	Char	1	\$1.	\$1.	Spareribs frequency
168	q120	Char	1	\$1.	\$1.	Liver frequency
169	q121	Char	1	\$1.	\$1.	Chicken or turkey wings frequency
170	q122	Char	1	\$1.	\$1.	Beef steak or roast, veal or lamb serving size
171	q123	Char	1	\$1.	\$1.	Shortribs serving size
172	q124	Char	1	\$1.	\$1.	Corned beef serving size
173	q125	Char	1	\$1.	\$1.	Corned beef hash serving size
174	q126	Char	1	\$1.	\$1.	Pork chops or roasts, kalua pig, or carnitas serving size
175	q127	Char	1	\$1.	\$1.	Ham serving size
176	q128	Char	1	\$1.	\$1.	Ham hocks or pig's feet serving size
177	q129	Char	1	\$1.	\$1.	Spareribs serving size
178	q130	Char	1	\$1.	\$1.	Liver serving size
179	q131	Char	1	\$1.	\$1.	Chicken or turkey wings serving size
180	q132	Char	1	\$1.	\$1.	Fried chicken frequency
181	q133	Char	1	\$1.	\$1.	Roasted, baked, grilled or stewed chicken frequency
182	q134	Char	1	\$1.	\$1.	Turkey frequency
183	q135	Char	1	\$1.	\$1.	Friend shrimp or other shellfish frequency
184	q136	Char	1	\$1.	\$1.	Cooked, canned, or raw shellfish frequency
185	q137	Char	1	\$1.	\$1.	Fried fish frequency
186	q138	Char	1	\$1.	\$1.	Baked, broiled, boiled or raw fish frequency
187	q139	Char	1	\$1.	\$1.	Canned tunafish frequency
188	q140	Char	1	\$1.	\$1.	Other canned fish frequency
189	q141	Char	1	\$1.	\$1.	Salted and dried fish frequency
190	q142	Char	1	\$1.	\$1.	Fried chicken serving size
191	q143	Char	1	\$1.	\$1.	Roasted, baked, grilled or stewed chicken serving size
192	q144	Char	1	\$1.	\$1.	Turkey serving size

Num	Variable	Type	Len	Format	Informat	Label
193	q145	Char	1	\$1.	\$1.	Fried shrimp or other shellfish serving size
194	q146	Char	1	\$1.	\$1.	Cooked, canned, or raw shellfish serving size
195	q147	Char	1	\$1.	\$1.	Fried fish serving size
196	q148	Char	1	\$1.	\$1.	Baked, broiled, boiled or raw fish serving size
197	q149	Char	1	\$1.	\$1.	Canned tunafish serving size
198	q150	Char	1	\$1.	\$1.	Other canned fish serving size
199	q151	Char	1	\$1.	\$1.	Salted and dried fish serving size
200	q152	Char	1	\$1.	\$1.	Bacon frequency
201	q153	Char	1	\$1.	\$1.	Regular hot dogs (beef or pork) frequency
202	q154	Char	1	\$1.	\$1.	Chicken or turkey hot dogs or luncheon meats frequency
203	q155	Char	1	\$1.	\$1.	Spam, bologna, salami, pastrami or other luncheon meats frequency
204	q156	Char	1	\$1.	\$1.	Sausage frequency
205	q157	Char	1	\$1.	\$1.	Tacos, tostadas, sopes, or taco salad (beef or pork) frequency
206	q158	Char	1	\$1.	\$1.	Tacos, tostadas, sopes, or taco salad (chicken) frequency
207	q159	Char	1	\$1.	\$1.	Meat burritos frequency)
208	q160	Char	1	\$1.	\$1.	Vegetable or bean burrito, tacos, or tostadas (no meat) frequency
209	q161	Char	1	\$1.	\$1.	Enchiladas with chicken frequency
210	q162	Char	1	\$1.	\$1.	Enchiladas with beef frequency
211	q163	Char	1	\$1.	\$1.	Enchiladas with cheese, quesadillas, or nachos with cheese frequency
212	q164	Char	1	\$1.	\$1.	Tamales frequency
213	q165	Char	1	\$1.	\$1.	Chili rellenos frequency
214	q166	Char	1	\$1.	\$1.	Bacon serving size
215	q167	Char	1	\$1.	\$1.	Regular hot dogs (beef or pork) serving size
216	q168	Char	1	\$1.	\$1.	Chicken or turkey hot dogs or luncheon meats serving size
217	q169	Char	1	\$1.	\$1.	Spam, bologna, salami, pastrami or other luncheon meats serving size
218	q170	Char	1	\$1.	\$1.	Sausage serving size
219	q171	Char	1	\$1.	\$1.	Tacos, tostadas, sopes, or taco salad (beef or pork) serving size
220	q172	Char	1	\$1.	\$1.	Tacos, tostadas, sopes, or taco salad (chicken) serving size
221	q173	Char	1	\$1.	\$1.	Meat burritos serving size
222	q174	Char	1	\$1.	\$1.	Vegetable or bean burritos, tacos, or tostadas (no meat) serving size
223	q175	Char	1	\$1.	\$1.	Enchiladas with chicken serving size
224	q176	Char	1	\$1.	\$1.	Enchiladas with beef serving size
225	q177	Char	1	\$1.	\$1.	Enchiladas with cheese, quesadillas or nachos with cheese serving size
226	q178	Char	1	\$1.	\$1.	Tamales serving size
227	q179	Char	1	\$1.	\$1.	Chili rellenos serving size
228	q180	Char	1	\$1.	\$1.	White rice frequency
229	q181	Char	1	\$1.	\$1.	Sushi or barazushi frequency
230	q182	Char	1	\$1.	\$1.	Brown or wild rice frequency
231	q183	Char	1	\$1.	\$1.	Mexican or spanish rice frequency

Num	Variable	Type	Len	Format	Informat	Label
232	q184	Char	1	\$1.	\$1.	Fried rice frequency
233	q185	Char	1	\$1.	\$1.	French-fried hash-browned or other fried potatoes frequency
234	q186	Char	1	\$1.	\$1.	Mashed, scalloped or au gratin potatoes frequency
235	q187	Char	1	\$1.	\$1.	Baked or boiled white potatoes frequency
236	q188	Char	1	\$1.	\$1.	Yellow-orange sweet potatoes or yams frequency
237	q189	Char	1	\$1.	\$1.	White or purple sweet potatoes frequency
238	q190	Char	1	\$1.	\$1.	Taro frequency
239	q191	Char	1	\$1.	\$1.	Poi frequency
240	q192	Char	1	\$1.	\$1.	White rice serving size
241	q193	Char	1	\$1.	\$1.	Sushi or barazushi serving size
242	q194	Char	1	\$1.	\$1.	Brown or wild rice serving size
243	q195	Char	1	\$1.	\$1.	Mexican or spanish rice serving size
244	q196	Char	1	\$1.	\$1.	Fried rice serving size
245	q197	Char	1	\$1.	\$1.	French-fried hash-browned or other fried potatoes serving size
246	q198	Char	1	\$1.	\$1.	Mashed, scalloped, or au gratin potatoes serving size
247	q199	Char	1	\$1.	\$1.	Baked or boiled white potatoes serving size
248	q200	Char	1	\$1.	\$1.	Yellow-orange sweet potatoes or yams serving size
249	q201	Char	1	\$1.	\$1.	White or purple sweet potatoes serving size
250	q202	Char	1	\$1.	\$1.	Taro serving size
251	q203	Char	1	\$1.	\$1.	Poi serving size
252	q204	Char	1	\$1.	\$1.	Light green lettuce or tossed salad frequency
253	q205	Char	1	\$1.	\$1.	Dark green lettuce frequency
254	q206	Char	1	\$1.	\$1.	Tomatoes frequency
255	q207	Char	1	\$1.	\$1.	Coleslaw frequency
256	q208	Char	1	\$1.	\$1.	Regular salad dressings or mayonnaise added to salads frequency
257	q209	Char	1	\$1.	\$1.	Low-calorie or diet dressings added to salads frequency
258	q210	Char	1	\$1.	\$1.	Eggs, cooked or raw frequency
259	q211	Char	1	\$1.	\$1.	Egg substitute frequency
260	q212	Char	1	\$1.	\$1.	Tofu frequency
261	q213	Char	1	\$1.	\$1.	Vegetarian meat loaf, meatballs or patties frequency
262	q214	Char	1	\$1.	\$1.	Light green lettuce or tossed salad serving size
263	q215	Char	1	\$1.	\$1.	Dark green lettuce serving size
264	q216	Char	1	\$1.	\$1.	Tomatoes serving size
265	q217	Char	1	\$1.	\$1.	Coleslaw serving size
266	q218	Char	1	\$1.	\$1.	Regular salad dressings or mayonnaise added to salads serving size
267	q219	Char	1	\$1.	\$1.	Low-calorie or diet dressings added to salads serving size
268	q220	Char	1	\$1.	\$1.	Eggs, cooked or raw serving size
269	q221	Char	1	\$1.	\$1.	Egg substitute serving size
270	q222	Char	1	\$1.	\$1.	Tofu serving size

Num	Variable	Type	Len	Format	Informat	Label
271	q223	Char	1	\$1.	\$1.	Vegetarian meat loaf, meatballs or patties serving size
272	q224	Char	1	\$1.	\$1.	Broccoli frequency
273	q225	Char	1	\$1.	\$1.	Cabbage frequency
274	q226	Char	1	\$1.	\$1.	Dark leafy greens frequency
275	q227	Char	1	\$1.	\$1.	Green beans or peas frequency
276	q228	Char	1	\$1.	\$1.	Other green vegetables frequency
277	q229	Char	1	\$1.	\$1.	Cauliflower frequency
278	q230	Char	1	\$1.	\$1.	Carrots frequency
279	q231	Char	1	\$1.	\$1.	Corn frequency
280	q232	Char	1	\$1.	\$1.	Pumpkin or yellow-orange winter squash frequency
281	q233	Char	1	\$1.	\$1.	Other vegetables frequency
282	q234	Char	1	\$1.	\$1.	Broccoli serving size
283	q235	Char	1	\$1.	\$1.	Cabbage serving size
284	q236	Char	1	\$1.	\$1.	Dark leafy greens serving size
285	q237	Char	1	\$1.	\$1.	Green beans or peas serving size
286	q238	Char	1	\$1.	\$1.	Other green vegetables serving size
287	q239	Char	1	\$1.	\$1.	Cauliflower serving size
288	q240	Char	1	\$1.	\$1.	Carrots serving size
289	q241	Char	1	\$1.	\$1.	Corn serving size
290	q242	Char	1	\$1.	\$1.	Pumpkin or yellow-orange winter squash serving size
291	q243	Char	1	\$1.	\$1.	Other vegetables serving size
292	q244	Char	1	\$1.	\$1.	Refried beans frequency
293	q245	Char	1	\$1.	\$1.	Baked beans or pork and beans frequency
294	q246	Char	1	\$1.	\$1.	Boiled dried beans or peas frequency
295	q247	Char	1	\$1.	\$1.	Refried beans serving size
296	q248	Char	1	\$1.	\$1.	Baked beans or pork and beans serving size
297	q249	Char	1	\$1.	\$1.	Boiled dried beans or peas serving size
298	q250	Char	1	\$1.	\$1.	Oranges frequency
299	q251	Char	1	\$1.	\$1.	Tangerines or mandarin oranges frequency
300	q252	Char	1	\$1.	\$1.	Grapefruit or pomelo frequency
301	q253	Char	1	\$1.	\$1.	Papaya frequency
302	q254	Char	1	\$1.	\$1.	Pineapple frequency
303	q255	Char	1	\$1.	\$1.	Peaches frequency
304	q256	Char	1	\$1.	\$1.	Apricots frequency
305	q257	Char	1	\$1.	\$1.	Pears frequency
306	q258	Char	1	\$1.	\$1.	Apples and applesauce frequency
307	q259	Char	1	\$1.	\$1.	Bananas frequency
308	q260	Char	1	\$1.	\$1.	Cantaloupe frequency
309	q261	Char	1	\$1.	\$1.	Watermelon frequency

Num	Variable	Type	Len	Format	Informat	Label
310	q262	Char	1	\$1.	\$1.	Mangoes frequency
311	q263	Char	1	\$1.	\$1.	Avacados and guacamole frequency
312	q264	Char	1	\$1.	\$1.	Any other fruit frequency
313	q265	Char	1	\$1.	\$1.	Orange or grapefruit juice frequency
314	q266	Char	1	\$1.	\$1.	Tomato or V8 juice frequency
315	q267	Char	1	\$1.	\$1.	Other fruit juices or fruit drinks frequency
316	q268	Char	1	\$1.	\$1.	Oranges serving size
317	q269	Char	1	\$1.	\$1.	Tangerines or mandarin oranges serving size
318	q270	Char	1	\$1.	\$1.	Grapefruit or pomelo serving size
319	q271	Char	1	\$1.	\$1.	Papaya serving size
320	q272	Char	1	\$1.	\$1.	Pineapple serving size
321	q273	Char	1	\$1.	\$1.	Peaches serving size
322	q274	Char	1	\$1.	\$1.	Apricots serving size
323	q275	Char	1	\$1.	\$1.	Pears serving size
324	q276	Char	1	\$1.	\$1.	Apples and applesauce serving size
325	q277	Char	1	\$1.	\$1.	Bananas serving size
326	q278	Char	1	\$1.	\$1.	Cantaloupe serving size
327	q279	Char	1	\$1.	\$1.	Watermelon serving size
328	q280	Char	1	\$1.	\$1.	Mangoes serving size
329	q281	Char	1	\$1.	\$1.	Avocados and guacamole serving size
330	q282	Char	1	\$1.	\$1.	Any other fruit serving size
331	q283	Char	1	\$1.	\$1.	Orange or grapefruit juice serving size
332	q284	Char	1	\$1.	\$1.	Tomato or V-8 juice serving size
333	q285	Char	1	\$1.	\$1.	Other fruit juices or fruit drinks serving size
334	q286	Char	1	\$1.	\$1.	White bread frequency
335	q287	Char	1	\$1.	\$1.	Whole wheat or rye bread frequency
336	q288	Char	1	\$1.	\$1.	Other bread frequency
337	q289	Char	1	\$1.	\$1.	Rolls, buns, biscuits, or flour tortillas frequency
338	q290	Char	1	\$1.	\$1.	Corn tortillas, corn muffins, cornbread, or cornbread stuffing frequency
339	q291	Char	1	\$1.	\$1.	Bran, blueberry, or other muffins, banana or mango bread frequency
340	q292	Char	1	\$1.	\$1.	Sweet rolls, croissants, doughnuts, danish, or coffee cake frequency
341	q293	Char	1	\$1.	\$1.	Pancakes, waffles, or french toast frequency
342	q294	Char	1	\$1.	\$1.	Margarine added to bread frequency
343	q295	Char	1	\$1.	\$1.	Butter added to bread frequency
344	q296	Char	1	\$1.	\$1.	Peanut butter added to bread items frequency
345	q297	Char	1	\$1.	\$1.	Jam or jelly added to bread items frequency
346	q298	Char	1	\$1.	\$1.	Mayonnaise in sandwiches frequency
347	q299	Char	1	\$1.	\$1.	White bread serving size
348	q300	Char	1	\$1.	\$1.	Whole wheat or rye bread serving size

Num	Variable	Type	Len	Format	Informat	Label
349	q301	Char	1	\$1.	\$1.	Other bread serving size
350	q302	Char	1	\$1.	\$1.	Rolls, buns, biscuits, or flour tortillas serving size
351	q303	Char	1	\$1.	\$1.	Corn tortillas, corn muffins, cornbread, or cornbread stuffing serving size
352	q304	Char	1	\$1.	\$1.	Bran, blueberry or other muffins, banana or mango bread serving size
353	q305	Char	1	\$1.	\$1.	Sweet rolls, croissants, doughnuts, danish, or coffee cake serving size
354	q306	Char	1	\$1.	\$1.	Pancakes, waffles, or french toast serving size
355	q307	Char	1	\$1.	\$1.	Margarine added to bread serving size
356	q308	Char	1	\$1.	\$1.	Butter added to bread serving size
357	q309	Char	1	\$1.	\$1.	Peanut butter added to bread items serving size
358	q310	Char	1	\$1.	\$1.	Jam or jelly added to bread items serving size
359	q311	Char	1	\$1.	\$1.	Mayonnaise in sandwiches serving size
360	q312	Char	1	\$1.	\$1.	Highly fortified cereals frequency
361	q313	Char	1	\$1.	\$1.	Bran or high fiber cereals frequency
362	q314	Char	1	\$1.	\$1.	Other cold cereals frequency
363	q315	Char	1	\$1.	\$1.	Cooked cereals frequency
364	q316	Char	1	\$1.	\$1.	Whole milk frequency
365	q317	Char	1	\$1.	\$1.	Lowfat milk (1% or 2%) frequency
366	q318	Char	1	\$1.	\$1.	Nonfat or skim milk or buttermilk frequency
367	q319	Char	1	\$1.	\$1.	Yogurt frequency
368	q320	Char	1	\$1.	\$1.	Chocolate milk, cocoa, or ovaltine frequency
369	q321	Char	1	\$1.	\$1.	Milkshakes or malts frequency
370	q322	Char	1	\$1.	\$1.	Cottage cheese frequency
371	q323	Char	1	\$1.	\$1.	Lowfat cheese frequency
372	q324	Char	1	\$1.	\$1.	Other cheese frequency
373	q325	Char	1	\$1.	\$1.	Highly fortified cereals serving size
374	q326	Char	1	\$1.	\$1.	Bran or high fiber cereals serving size
375	q327	Char	1	\$1.	\$1.	Other cold cereals serving size
376	q328	Char	1	\$1.	\$1.	Cooked cereals serving size
377	q329	Char	1	\$1.	\$1.	Whole milk serving size
378	q330	Char	1	\$1.	\$1.	Lowfat milk (1% or 2%) serving size
379	q331	Char	1	\$1.	\$1.	Nonfat or skim milk or buttermilk serving size
380	q332	Char	1	\$1.	\$1.	Yogurt serving size
381	q333	Char	1	\$1.	\$1.	Chocolate milk, coca, or ovaltine serving size
382	q334	Char	1	\$1.	\$1.	Milkshakes or malts serving size
383	q335	Char	1	\$1.	\$1.	Cottage cheese serving size
384	q336	Char	1	\$1.	\$1.	Lowfat cheese serving size
385	q337	Char	1	\$1.	\$1.	Other cheese serving size
386	q338	Char	1	\$1.	\$1.	Ice cream frequency
387	q339	Char	1	\$1.	\$1.	Ice milk, frozen yogurt, or sherbet frequency

Num	Variable	Type	Len	Format	Informat	Label
388	q340	Char	1	\$1.	\$1.	Cookies, brownies or fruit bars frequency
389	q341	Char	1	\$1.	\$1.	Cake frequency
390	q342	Char	1	\$1.	\$1.	Apple or other fruit pies, tarts, cobblers, or turnovers frequency
391	q343	Char	1	\$1.	\$1.	Pumpkin, sweet potato, or carrot pies frequency
392	q344	Char	1	\$1.	\$1.	Cream or custard pies, eclairs, or cream puffs frequency
393	q345	Char	1	\$1.	\$1.	Puddings or custards frequency
394	q346	Char	1	\$1.	\$1.	Chocolate candy frequency
395	q347	Char	1	\$1.	\$1.	Dim sum, such as bao or manapua frequency
396	q348	Char	1	\$1.	\$1.	Other dim sum frequency
397	q349	Char	1	\$1.	\$1.	Crackers and pretzels frequency
398	q350	Char	1	\$1.	\$1.	Peanuts or other nuts frequency
399	q351	Char	1	\$1.	\$1.	Ice cream serving size
400	q352	Char	1	\$1.	\$1.	Ice milk, frozen yogurt, or sherbet serving size
401	q353	Char	1	\$1.	\$1.	Cookies, brownies or fruit bars serving size
402	q354	Char	1	\$1.	\$1.	Cake serving size
403	q355	Char	1	\$1.	\$1.	Apple or other fruit pies, tarts, cobblers or turnovers serving size
404	q356	Char	1	\$1.	\$1.	Pumpkin, sweet potato, or carrot pies serving size
405	q357	Char	1	\$1.	\$1.	Cream or custard pies, eclairs, or cream puffs serving size
406	q358	Char	1	\$1.	\$1.	Puddings or custards serving size
407	q359	Char	1	\$1.	\$1.	Chocolate candy serving size
408	q360	Char	1	\$1.	\$1.	Dim sum, such as bao or manapua serving size
409	q361	Char	1	\$1.	\$1.	Other dim sum serving size
410	q362	Char	1	\$1.	\$1.	Crackers and pretzels serving size
411	q363	Char	1	\$1.	\$1.	Peanuts or other nuts serving size
412	q364	Char	1	\$1.	\$1.	Potato, corn, or tortilla or other chips, or chicharrones frequency
413	q365	Char	1	\$1.	\$1.	Popcorn frequency
414	q366	Char	1	\$1.	\$1.	Potato, corn, or tortilla or other chips, or chicharrones serving size
415	q367	Char	1	\$1.	\$1.	Popcorn serving size
416	q368	Char	1	\$1.	\$1.	Regular or draft beer frequency
417	q369	Char	1	\$1.	\$1.	Light beer frequency
418	q370	Char	1	\$1.	\$1.	White or pink wine frequency
419	q371	Char	1	\$1.	\$1.	Red wine frequency
420	q372	Char	1	\$1.	\$1.	Hard liquor frequency
421	q373	Char	1	\$1.	\$1.	Regular sodas frequency
422	q374	Char	1	\$1.	\$1.	Diet sodas frequency
423	q375	Char	1	\$1.	\$1.	Regular or draft beer serving size
424	q376	Char	1	\$1.	\$1.	Light beer serving size
425	q377	Char	1	\$1.	\$1.	White or pink wine serving size
426	q378	Char	1	\$1.	\$1.	Red wine serving size

Num	Variable	Type	Len	Format	Informat	Label
427	q379	Char	1	\$1.	\$1.	Hard liquor serving size
428	q380	Char	1	\$1.	\$1.	Regular sodas serving size
429	q381	Char	1	\$1.	\$1.	Diet sodas serving size
430	q382	Char	1	\$1.	\$1.	Cappucino - 1 cup or mug frequency
431	q383	Char	1	\$1.	\$1.	Regular coffee - 1 cup or mug frequency
432	q384	Char	1	\$1.	\$1.	Decaffeinated ("decaff") coffee - 1 cup or mug frequency
433	q385	Char	1	\$1.	\$1.	Black tea - 1 cup or glass frequency
434	q386	Char	1	\$1.	\$1.	Green, herbal, or other tea - 1 cup frequency
435	q387	Char	1	\$1.	\$1.	Fortified diet beverages - 1 glass or can frequency
436	q388	Char	1	\$1.	\$1.	Sugar or honey added to cappuccino
437	q389	Char	1	\$1.	\$1.	Sugar substitute added to cappuccino
438	q390	Char	1	\$1.	\$1.	Cream or half & half added to coffee
439	q391	Char	1	\$1.	\$1.	Milk added to coffee
440	q392	Char	1	\$1.	\$1.	Non-diary cream added to coffee
441	q393	Char	1	\$1.	\$1.	Sugar or honey added to coffee
442	q394	Char	1	\$1.	\$1.	Sugar substitute added to coffee
443	q395	Char	1	\$1.	\$1.	Cream or half & half added to decaffeinated coffee
444	q396	Char	1	\$1.	\$1.	Milk added to decaffeinated coffee
445	q397	Char	1	\$1.	\$1.	Non-diary cream added to decaffeinated coffee
446	q398	Char	1	\$1.	\$1.	Sugar or honey added to decaffeinated coffee
447	q399	Char	1	\$1.	\$1.	Sugar substitute added to decaffeinated coffee
448	q400	Char	1	\$1.	\$1.	Cream or half & half added to black tea
449	q401	Char	1	\$1.	\$1.	Milk added to black tea
450	q402	Char	1	\$1.	\$1.	Non-diary cream added to black tea
451	q403	Char	1	\$1.	\$1.	Sugar or honey added to black tea
452	q404	Char	1	\$1.	\$1.	Sugar substitute added to black tea
453	q405	Char	1	\$1.	\$1.	Western pickles or relish frequency
454	q406	Char	1	\$1.	\$1.	Olives frequency
455	q407	Char	1	\$1.	\$1.	Salsa or hot chili peppers frequency
456	q408	Char	1	\$1.	\$1.	Garlic frequency
457	q409	Char	1	\$1.	\$1.	Onions frequency
458	q410	Char	1	\$1.	\$1.	Oriental salted or pickled vegetables frequency
459	q411	Char	1	\$1.	\$1.	Seaweed frequency
460	q412	Char	1	\$1.	\$1.	Gravy on meat, potatoes, rice frequency
461	q413	Char	1	\$1.	\$1.	Salt frequency
462	q414	Char	1	\$1.	\$1.	Shoyu (soy sauce) or teriyaki sauce frequency
463	q415	Char	1	\$1.	\$1.	Mustard frequency
464	q416	Char	1	\$1.	\$1.	Catsup frequency
465	q417	Char	1	\$1.	\$1.	Sour cream frequency

Num	Variable	Type	Len	Format	Informat	Label
466	q418	Char	1	\$1.	\$1.	Charcoal-broiled meat frequency
467	q419	Char	1	\$1.	\$1.	Oven-broiled meat frequency
468	q420	Char	1	\$1.	\$1.	Fried meat frequency
469	q421	Char	1	\$1.	\$1.	Barbecued meat frequency
470	q422	Char	1	\$1.	\$1.	Vegetable oil added to meat frequency
471	q423	Char	1	\$1.	\$1.	Salt pork, lard, or bacon fat added to meat frequency
472	q424	Char	1	\$1.	\$1.	Vegetable shortening (such as crisco) added to meat frequency
473	q425	Char	1	\$1.	\$1.	Stick margarine added to meat frequency
474	q426	Char	1	\$1.	\$1.	Regular butter added to meat frequency
475	q427	Char	1	\$1.	\$1.	Vegetable spray, water, or non-stick pan used with meat frequency
476	q428	Char	1	\$1.	\$1.	When you ate meat, how was it usually prepared?
477	q429	Char	1	\$1.	\$1.	When you ate meat, did you eat the fat?
478	q430	Char	1	\$1.	\$1.	When you ate chicken, did you eat the skin?
479	q431	Char	1	\$1.	\$1.	Did you usually use regular stick margarine?
480	q432	Char	1	\$1.	\$1.	Did you usually use regular tub margarine?
481	q433	Char	1	\$1.	\$1.	Did you usually use diet or spread margarine?
482	q434	Char	1	\$1.	\$1.	Did you not use margarine?
483	q435	Char	1	\$1.	\$1.	Do you not know if you used margarine?
484	q436	Char	1	\$1.	\$1.	Did you usually use regular butter?
485	q437	Char	1	\$1.	\$1.	Did you usually use whipped butter?
486	q438	Char	1	\$1.	\$1.	Did you not use butter?
487	q439	Char	1	\$1.	\$1.	Do you not know if you used butter?
488	q440	Char	1	\$1.	\$1.	Did you usually use soybean or coin oil?
489	q441	Char	1	\$1.	\$1.	Did you usually use olive oil?
490	q442	Char	1	\$1.	\$1.	Did you usually use canola oil?
491	q443	Char	1	\$1.	\$1.	Did you usually use any other vegetable oil?
492	q444	Char	1	\$1.	\$1.	Did you not use vegetable oil?
493	q445	Char	1	\$1.	\$1.	Do you not know if you used vegetable oil?
494	q446	Char	1	\$1.	\$1.	Did you take any multivitamins or multivitamins with minerals during the last year (at least once a week)?
495	q447	Char	1	\$1.	\$1.	If yes, how many vitamin tablets did you take?
496	q448	Char	1	\$1.	\$1.	If yes, how many years have you taken them?
497	q449	Char	1	\$1.	\$1.	Did you take vitamin A by itself during last year (at least once a week)?
498	q450	Char	1	\$1.	\$1.	If yes, how many tablets did you take?
499	q451	Char	1	\$1.	\$1.	If yes, how many years have you taken them?
500	q452	Char	1	\$1.	\$1.	Dosage of vitamin A
501	q453	Char	1	\$1.	\$1.	Did you take vitamin C by itself during last year (at least once a week)?
502	q454	Char	1	\$1.	\$1.	If yes, how many tablets did you take?
503	q455	Char	1	\$1.	\$1.	If yes, how many years have you taken them?

Num	Variable	Type	Len	Format	Informat	Label
504	q456	Char	1	\$1.	\$1.	Dosage of vitamin C
505	q457	Char	1	\$1.	\$1.	Did you take vitamin E by itself during last year (at least once a week)?
506	q458	Char	1	\$1.	\$1.	If yes, how many tablets did you take?
507	q459	Char	1	\$1.	\$1.	If yes, how many years have you taken them?
508	q460	Char	1	\$1.	\$1.	Dosage of vitamin E
509	q461	Char	1	\$1.	\$1.	Did you take beta-carotene by itself during the last year (at least once a week)?
510	q462	Char	1	\$1.	\$1.	If yes, how many tablets did you take?
511	q463	Char	1	\$1.	\$1.	If yes, how many years have you taken them?
512	q464	Char	1	\$1.	\$1.	Dosage of beta-carotene
513	q465	Char	1	\$1.	\$1.	Did you take calcium by itself during the last year (at least once a week)?
514	q466	Char	1	\$1.	\$1.	If yes, how many tablets did you take?
515	q467	Char	1	\$1.	\$1.	If yes, how many years have you taken them?
516	q468	Char	1	\$1.	\$1.	Dosage of calcium
517	q469	Char	1	\$1.	\$1.	Did you take selenium by itself during the last year (at least once a week)?
518	q470	Char	1	\$1.	\$1.	If yes, how many tablets did you take?
519	q471	Char	1	\$1.	\$1.	If yes, how many years have you taken them?
520	q472	Char	1	\$1.	\$1.	Dosage of selenium
521	q473	Char	1	\$1.	\$1.	Did you take iron by itself during the last year (at least once a week)?
522	q474	Char	1	\$1.	\$1.	If yes, how many tablets did you take?
523	q475	Char	1	\$1.	\$1.	If yes, how many years have you taken them?
524	q476	Char	1	\$1.	\$1.	Dosage of iron
525	q477	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you sleep (include naps)?
526	q478	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend sitting in car or bus?
527	q479	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend sitting at work?
528	q480	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend watching TV?
529	q481	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend sitting at meals?
530	q482	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend on other sitting activities (such as reading, playing cards, sewing)?
531	q483	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend on strenuous sports?
532	q484	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend on vigorous work?
533	q485	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend on moderate activity?
534	q486	Char	1	\$1.	\$1.	On average, during the last year, how many hours in a day did you spend on vigorous physical activity long enough to work up a sweat?
535	sid_di	Char	11			Deidentified subject ID

Data Set Name: initial_screening.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	sid_di	Char	11			Deidentified subject ID
2	bldstore_is	Num	8	4.		May we store your blood?
3	constsigned_is	Num	8	4.		Signed consent form
4	sf_is	Num	8	10.2		Serum ferritin
5	ts_is	Num	8	10.2		Transferrin saturation
6	hours_is	Num	8	10.2		Hours since last food
7	elevated_indicator	Num	8	2.		Elevated ts and sf at initial screening
8	age	Num	8	4.		Calculated age
9	prefLang	Num	8	6.	6.	Preferred language
10	gender	Num	8	4.	4.	Gender (1=Male 2=Female)
11	firsttime	Num	8	4.	4.	6 - Is this the first time you have been asked to participate in this study?
12	hlthres	Num	8	4.	4.	7a - I want to help by taking part in research
13	drpart	Num	8	4.	4.	7b - My doctor thought that I should take part in this study
14	ironprob	Num	8	4.	4.	7c - I want to know if I have problems (too high or too low)
15	havehemo	Num	8	4.	4.	7d - I have iron overload or hemochromatosis
16	might	Num	8	4.	4.	7e - I think I might have iron overload or hemochromatosis
17	medcond	Num	8	4.	4.	7f - I have another medical condition
18	relahemo	Num	8	4.	4.	7g - My blood relative has/had iron overload or hemochromatosis
19	elsehemo	Num	8	4.	4.	7h - Someone else I know has/had iron overload or hemochromatosis
20	othreas	Num	8	4.	4.	7i - Other reason to take part in this study
21	toomuch	Num	8	4.	4.	7a - Too much iron in your body, iron overload or hemochromatosis
22	arthriti	Num	8	4.	4.	7b - Arthritis?
23	diabetes	Num	8	4.	4.	7c - Diabetes?
24	liver	Num	8	4.	4.	7d - Liver disease or liver cancer?
25	hrtfail	Num	8	4.	4.	7e - Heart failure
26	impot	Num	8	4.	4.	7f - Fertility problems or impotence
27	bldrela	Num	8	4.	4.	8 - Have any of your blood relatives had iron overload or hemochromatosis, or been treated by having their blood drawn on a regular basis?
28	anyone	Num	8	4.	4.	10 - Have you ever known anyone else who had to donate blood for his/her health?
29	pregnant	Num	8	4.	4.	9 - For women: pregnant, pregnant within the past 3 months, or breast feeding?
30	health	Num	8	4.	4.	10 - In general, your health is
31	sickeasy	Num	8	4.	4.	11a - I seem to get sick a little easier
32	hlthany	Num	8	4.	4.	11b - I am as health as anybody
33	hlthwors	Num	8	4.	4.	11c - I expect my health to get worse
34	hlthexc	Num	8	4.	4.	11d - My health is excellent

Num	Variable	Type	Len	Format	Informat	Label
35	nervous	Num	8	4.	4.	12a - Have you been a nervous person?
36	downdump	Num	8	4.	4.	12b - Have you felt so down in the dumps that nothing could cheer you up?
37	calm	Num	8	4.	4.	12c - Have you ever felt calm and peaceful?
38	blue	Num	8	4.	4.	12d - Ever felt downhearted and blue?
39	happy	Num	8	4.	4.	12e - Have you been a happy person?
40	genetest	Num	8	4.	4.	14 - Is genetic testing to find out about disease risk a good idea?
41	goodtrt	Num	8	4.	4.	15a - There might be a good treatment by the time you developed the disease
42	chglife	Num	8	4.	4.	15b - You could change to a healthier lifestyle to prevent getting the disease
43	prepfutu	Num	8	4.	4.	15c - Could you prepare better for the future?
44	shareinf	Num	8	4.	4.	15d - You could share this information with family members
45	insure	Num	8	4.	4.	16a - You might have trouble getting or keeping your insurance
46	helpless	Num	8	4.	4.	16b - You might feel helpless because you can't change your genes
47	feelless	Num	8	4.	4.	16c - Knowing that you had a gene that put you at risk could make you feel less healthy
48	badnews	Num	8	4.	4.	16d - You could be bringing bad news into your family
49	heredity	Num	8	4.	4.	17a - Heredity (it runs in your family)
50	environ	Num	8	4.	4.	17b - The environment
51	fate	Num	8	4.	4.	17c - Fate or chance (bad luck)
52	psycho	Num	8	4.	4.	17d - Psychological factors (ex. stress)
53	lifestyl	Num	8	4.	4.	17e - Lifestyle (ex. smoking, drinking, eating a high fat diet)
54	docvisit	Num	8	4.	4.	5 - I came in for a doctor visit or to have my blood drawn, and found out about it
55	phcall	Num	8	4.	4.	5 - I received a phone call or letter from the study, inviting me to participate
56	cameinto	Num	8	4.	4.	5 - I came into the clinic or lab with a friend or family member, and found out about it
57	newstv	Num	8	4.	4.	5 - I learned about it in the newspaper, in the community, on the TV, or on the radio
58	hearoth	Num	8	4.	4.	5 - Found out about it elsewhere
59	fmember	Num	8	4.	4.	5 - My family member was in this study and told me about it
60	shouldsh	Num	8	4.	4.	13 - Information about a person's genetic risk should be shared with other family members
61	serum	Num	8	7.2	7.2	Serum iron
62	uibc	Num	8	8.2	8.2	Unsaturated iron binding capacity
63	tibc	Num	8	8.2	8.2	Total iron binding capacity
64	case_control	Num	8	2.		Invited CCE case or control
65	height	Num	8	4.		7 - Height (in)
66	weight	Num	8	6.1	6.1	8 - Body weight (lb)
67	BMI	Num	8	6.1		BMI
68	temper	Num	8	7.1	7.1	9 - Body temperature in fahrenheit
69	pulse	Num	8	4.	4.	10 - Pulse in beats per minute

Num	Variable	Type	Len	Format	Informat	Label
70	sbp	Num	8	11.	11.	11 - Systolic blood pressure (mmHg)
71	dbp	Num	8	11.	11.	12 - Diastolic blood pressure (mmHg)
72	hepatom	Num	8	4.	4.	13 - Liver: hepatomegaly
73	splenom	Num	8	4.	4.	14 - Liver: splenomegaly
74	brady	Num	8	4.	4.	15a - Heart Arrythmia: bradycardia
75	tachy	Num	8	4.	4.	15b - Heart Arrythmia: tachycardia (>100 beats per minute)
76	premacon	Num	8	4.	4.	15c - Heart Arrythmia: frequent premature contractions (>= ectopic beat per min.)
77	abnormal	Num	8	4.	4.	15d - Heart Arrythmia: other abnormal rhythm
78	murmur	Num	8	4.	4.	15e - Heart Arrythmia: murmur (any prolonged sound produced by the heart)
79	edema	Num	8	4.	4.	15f - Heart Arrythmia: edema
80	pigment	Num	8	4.	4.	16 - Skin: increased pigmentation on sun-exposed or unexposed areas
81	blister	Num	8	4.	4.	17 - Skin: blistering, ulcers, scarring of sun-exposed skin?
82	hypertri	Num	8	4.	4.	18 - Skin: hypertrichosis
83	mpjoints	Num	8	4.	4.	19 - Bones and joints: mp joints swollen or tender?
84	ssFeetSw	Num	8	4.	4.	1 - Experienced swelling of feet or ankles?
85	ssSkinCh	Num	8	4.	4.	2 - Experienced change in skin color?
86	ssWeight	Num	8	4.	4.	3 - Experienced unexplained weight loss?
87	ssAdomSw	Num	8	4.	4.	4 - Experienced abdominal swelling or fluid
88	ssLossDr	Num	8	4.	4.	5 - Experienced trouble having an erection or loss of sexual drive?
89	ssChrFt	Num	8	4.	4.	6 - Repeatedly bothered by chronic fatigue/weakness
90	ssShrtBr	Num	8	4.	4.	7 - Repeatedly bothered by shortness of breath?
91	ssJntStf	Num	8	4.	4.	8 - Repeatedly bothered by joint stiffness/pain/ache?
92	ssThirst	Num	8	4.	4.	9 - Repeatedly bothered by excessive thirst?
93	ssPlyUr	Num	8	4.	4.	10 - Repeatedly bothered by polyuria (excessive urination)?
94	ssUnxAdm	Num	8	4.	4.	11 - Repeatedly bothered by unexplained abdominal pain or discomfort?
95	ssUnxCon	Num	8	4.	4.	12 - Repeatedly bothered by unexplained confusion?
96	mhHemo	Num	8	4.	4.	13 - Ever told that you have/had iron overload or hemochromatosis?
97	mhAnemia	Num	8	4.	4.	14 - Ever told that you have/had anemia (low iron)?
98	mhSC	Num	8	4.	4.	15 - Ever told that you have/had sickle cell anemia?
99	mhThal	Num	8	4.	4.	16 - Ever told that you have/had thalassemia or other inherited anemia?
100	mhBlood	Num	8	4.	4.	17 - Ever told that you have/had unusual blood loss?
101	mhDiab	Num	8	4.	4.	18 - Ever told that you have/had diabetes?
102	mhLiver	Num	8	4.	4.	19 - Ever told that you have/had liver disease?
103	mhThyr	Num	8	4.	4.	20 - Ever told that you have/had thyroid disease?
104	mhHrt	Num	8	4.	4.	21 - Ever told that you have/had heart failure or weak heart?
105	mhHrtAb	Num	8	4.	4.	22 - Ever told that you have/had abnormal heart rhythm, heart beat, or action/arrhythmia?
106	mhHrtOth	Num	8	4.	4.	23 - Ever told that you have/had other heart disease or heart attack?

Num	Variable	Type	Len	Format	Informat	Label
107	mhArth	Num	8	4.	4.	24 - Ever told that you have/had arthritis?
108	mhOsteo	Num	8	4.	4.	25 - Ever told that you have/had osteoporosis?
109	mhPorph	Num	8	4.	4.	26 - Ever told that you have/had porphyria cutanea tarda?
110	mhChrInf	Num	8	4.	4.	28 - Ever told that you have/had chronic inflammation, chronic infection, autoimmune disease, or lupus?
111	mhCancer	Num	8	4.	4.	29 - Ever told that you have/had cancers?
112	mhChemo	Num	8	4.	4.	30 - Ever had chemotherapy or bone marrow transplant?
113	rhMenPr	Num	8	4.	4.	31a - Ever seen a doctor for menstrual problems?
114	rhBleed	Num	8	4.	4.	31b - Ever seen a doctor for in-between bleeding?
115	rhStop	Num	8	4.	4.	31c - Ever seen a doctor for early stopping of periods?
116	rhPreg	Num	8	4.	4.	32 - Ever been pregnant?
117	rhPregNm	Num	8	4.	4.	32a - Number of pregnancies
118	rhBirths	Num	8	4.	4.	32b - Number of live births
119	rhPregC	Num	8	4.	4.	33 - Are you currently pregnant?
120	rhMen	Num	8	4.	4.	34 - Gone through menopause?
121	rhMenAge	Num	8	4.	4.	34a - Age at menopause?
122	rhMenar	Num	8	4.	4.	35 - Age at menarche?
123	rhHyst	Num	8	4.	4.	36 - Had a hysterectomy?
124	rhHysAge	Num	8	4.	4.	36a - Age at hysterectomy?
125	btEver	Num	8	4.	4.	37 - Ever had blood transfusions?
126	btTotal	Num	8	4.	4.	37a - Number of pints/units transfused in a lifetime?
127	btWhole	Num	8	4.	4.	38 - Ever donated whole blood at a blood bank?
128	btWholeU	Num	8	4.	4.	38a - Number of whole blood units in lifetime?
129	liBrRest	Num	8	4.	4.	39a - Get short of breath while resting in a chair?
130	liBrLvel	Num	8	4.	4.	39b - Get short of breath while walking on level ground?
131	liBrQuik	Num	8	4.	4.	39c - Get short of breath when walking quickly or uphill?
132	liAlcoh	Num	8	4.	4.	40 - Ever consumed alcoholic beverages?
133	liAlcAge	Num	8	4.	4.	41 - Age started consuming alcoholic beverages?
134	liAlcPr	Num	8	4.	4.	42 - Presently drink alcoholic beverages?
135	liAlcYr	Num	8	4.	4.	42a - Number of years have been drinking alcoholic beverages?
136	liAlcYrN	Num	8	4.	4.	42b - Number of years did you drink alcoholic beverages?
137	liAlcNum	Num	8	4.	4.	42c - Usual number of drinks you had per week before stopping?
138	dmGrade	Num	8	6.	6.	43 - Highest grade of school completed
139	phleb	Num	8	4.	4.	1b - Phlebotomy as treatment?
140	biopsy	Num	8	4.	4.	Have you ever had liver biopsy?
141	iron	Num	8	15.3	15.3	Iron (mg)
142	alc	Num	8	15.3	15.3	Alcohol (g)
143	sIron	Num	8	15.3	15.3	Iron from supplements (mg)
144	sIron2	Num	8	15.3	15.3	Iron from supplments where use was >= 2 years (mg)

Num	Variable	Type	Len	Format	Informat	Label
145	DMFPIron	Num	8	15.3	15.3	Daily meat-fish-poultry (MFP) iron (mg)
146	q368	Char	1	\$1.	\$1.	Regular or draft beer frequency
147	q369	Char	1	\$1.	\$1.	Light beer frequency
148	q370	Char	1	\$1.	\$1.	White or pink wine frequency
149	q371	Char	1	\$1.	\$1.	Red wine frequency
150	q372	Char	1	\$1.	\$1.	Hard liquor frequency
151	q375	Char	1	\$1.	\$1.	Regular or draft beer serving size
152	q376	Char	1	\$1.	\$1.	Light beer serving size
153	q379	Char	1	\$1.	\$1.	Hard liquor serving size
154	letterId	Char	2	\$2.	\$2.	Type of initial screening test results letter
155	ghscale_is	Num	8			SF-36 general health scale - initial screening
156	mhscale_is	Num	8			SF-36 mental health scale - initial screening
157	hepatitis	Char	15	\$15.		Hepatitis B surface antigen or hepatitis C virus antibody
158	mhhep	Num	8	1.		19e - Ever told that you have/had hepatitis A, B, C, or other type?
159	dsigned_is	Num	8	4.		Number of days from given date to date consent form signed
160	disform	Num	8	4.		Number of days from given date to initial screen form date
161	dcavisit	Num	8	4.		Number of days from given date to date clinical assessment form was filled out
162	dmhvisit	Num	8	4.		Number of days from given date to date of visit
163	dmhavisit	Num	8	4.		Number of days from given date to date of visit
164	race	Num	8	4.		Participant's race (1=Hispanic 2=Asian/Pacific Islander 3=African American 4=Caucasian 5=Other)
165	genotype	Num	8	2.		Genotype

Data Set Name: *qph.sas7bdat*

Num	Variable	Type	Len	Format	Informat	Label
1	novisit	Num	8	4.	4.	No visit found related to iron overload or hemochromatosis
2	notindicated	Num	8	4.	4.	Clinician determined that therapeutic phlebotomy is not indicated
3	refused	Num	8	4.	4.	Patient refused to start or continue phlebotomy
4	irondep	Num	8	4.	4.	Reached iron depletion, now on maintenance phlebotomy
5	complication	Num	8	4.	4.	Complication or side effect (e.g., anemia)
6	illness	Num	8	4.	4.	Illness
7	insurance	Num	8	4.	4.	Patient had, or believed she/he will have monetary or insurance problems related to phlebotomy or iron overload
8	worksch	Num	8	4.	4.	Phlebotomy interferes with patient's work or work schedule
9	notimportant	Num	8	4.	4.	Patient believes that treating his/her iron overload is not important, or that iron overload is not a serious condition
10	leftplan	Num	8	4.	4.	Patient left health plan or moved
11	death	Num	8	4.	4.	Patient died
12	other	Num	8	4.	4.	Other reason for stopping
13	notknown	Num	8	4.	4.	Reason for stopping not known
14	Done	Char	13			Is therapeutic phlebotomy being done at least once a month?
15	hematocrit	Num	8	5.1	5.1	Hematocrit (%)
16	hemoglobin	Num	8	5.1	5.1	Hemoglobin (g/dl)
17	sf	Num	8	11.	11.	Serum ferritin (ug/L)
18	wcontainer	Num	8	11.	11.	Weight of container only
19	wcontblood	Num	8	11.	11.	Weight of container and blood removed
20	wblood	Num	8	11.	11.	Weight of blood removed only
21	vblood	Num	8	11.	11.	Volume of blood removed
22	numunits	Num	8	5.2	5.2	Number of units of blood removed
23	nonexp	Num	8	4.	4.	No adverse effects of phlebotomy
24	venipuncture	Num	8	4.	4.	Venipuncture site discomfort or bruising
25	diaphoresis	Num	8	4.	4.	Diaphoresis
26	weakness	Num	8	4.	4.	Weakness
27	tachycardia	Num	8	4.	4.	Tachycardia
28	posthyppo	Num	8	4.	4.	Postural hypotension
29	losscons	Num	8	4.	4.	Loss onf consciousness
30	volume	Num	8			Volume of blood removed (derived)
31	formula	Char	28			Formula used to estimate ammount of iron removed?
32	iron_removed	Num	8			Estimated amount of iron removed (g)
33	cum_iron	Num	8			Estimated cumulative amount of iron removed (g)
34	dvisit_monthly	Num	8	4.		Number of days from given date to form completion
35	dtreat	Num	8	4.		Number of days from given date to treatment

Num	Variable	Type	Len	Format	Informat	Label
36	sid_di	Char	11			Deidentified subject ID