

Initial Screening Participants Data Dictionary

Section I:	Basic study/participant information	Page 2
Section II:	Initial Screening Consent	Page 2
Section III:	Initial Screening	Page 2
Section IV:	Initial Screen Lab Results	Page 8
Section V:	CCE Consent Form	Page 9
Section VI:	Clinical Assessment	Page 9
Section VII:	CCE Lab Values	Page 11
Section VIII:	Medical History	Page 14
Section IX:	Additional Medical History Questions	Page 19
Section X:	Food Frequency - Individual Questions	Page 19
Section XI:	Food Frequency Summary Variables	Page 20

Section I: Basic study/participant information

SID_DI	HEIRS participant ID - de-identified	Char \$11.
PREFLANG	Preferred Language 1=English 2=Spanish 3=Mandarin 4=Vietnamese	Num 6.
RACE	Participant Race 1=Hispanic 2=Asian/Pacific Islander 3=African American 4=Caucasian 5=Other: American Indian, Multiple, Unknown	Num 4.
AGE	Calculated Age	Num 4.
GENDER	What is your gender 1=Male 2=Female	Num 4.
GENOTYPE	Genotype 1= C282Y/C282Y 2= C282Y/H63D 3= H63D/H63D 4= C282Y/- 5= H63D/- 6= -/- 7= MISSING	Num 2.

Section II: Initial Screening Consent

CONSTSIGNED_IS	Signed Consent Form 1=Yes 3=Withdrawn	Num 4.
DSIGNED_IS	Date Consent Form signed (Number of days from given date)	Num 4.
BLDSTORE_IS	May we store your blood? 1=Yes 2=No	Num 4.
DWITHDRAWN_IS	Date Withdrew consent (Number of days from given date)	Num 4.

Section III: Initial Screening

DISFORM	Initial Screen Form Date (Number of days from given date)	Num 4.
DOCVISIT	Q5: I came in for a doctor visit or to have my blood drawn, and found out about it 1=Yes	Num 4.

PHCALL	Q5: I received a phone call or letter from the study, inviting me to participate 1=Yes	Num 4.
CAMEINTO	Q5: I came into the clinic or lab with a friend or family member, and found out about it 1=Yes	Num 4.
FMEMBER	Q5: My family member was in this study and told me about it 1=Yes	Num 4.
NEWSTV	Q5: I learned about it in the newspaper, in the community, on the TV, or on the radio 1=Yes	Num 4.
HEAROTH	Q5: Other 1=Yes	Num 4.
FIRSTIME	Q6: Is this the first time you have been asked to participate in this study 1=Yes 2=No	Num 4.
HLTHRES	Q7a: (old form)I want to help by taking part in research 1=Important 2=Not important	Num 4.
DRPART	Q7b: (old form)My doctor thought that I should take part in this study 1=Important 2=Not important	Num 4.
IRONPROB	Q7c: (old form)I want to know if I have problems too high or too low 1=Important 2=Not important	Num 4.
HAVEHEMO	Q7d: (old form)I have iron overload or hemochromatosis 1=Important 2=Not important	Num 4.
MIGHT	Q7e: (old form)I think I might have iron overload or hemochromatosis 1=Important 2=Not important	Num 4.
MEDCOND	Q7f: (old form)I have another medical condition 1=Important 2=Not important	Num 4.
RELAHEMO	Q7g: (old form) My blood relative has/had iron overload or hemochromatosis 1=Important 2=Not important	Num 4.

ELSEHEMO	Q7h: (old form) Someone else I know has/had iron overload or hemochromatosis 1=Important 2=Not important	Num 4.
OTHREAS	Q7i: (old form) Other reason 1=Important 2=Not important	Num 4.
TOOMUCH	Q7a: Too much iron in your body, iron overload or hemochromatosis 1=Yes 2=No 3=Not Sure	Num 4.
ARTHRITI	Q7b: Arthritis 1=Yes 2=No 3=Not Sure	Num 4.
DIABETES	Q7c: Diabetes 1=Yes 2=No 3=Not Sure	Num 4.
LIVER	Q7d: Liver disease or liver cancer 1=Yes 2=No 3=Not Sure	Num 4.
HRTFAIL	Q7e: Heart failure 1=Yes 2=No 3=Not Sure	Num 4.
IMPOT	Q7f: Fertility problems or impotence 1=Yes 2=No 3=Not Sure	Num 4.
BLDRELA	Q8: Have any of your blood relatives had iron overload or hemochromatosis, or been treated by having their blood drawn on a regular basis? 1=Yes 2=No 3=Not Sure	Num 4.
ANYONE	Q10: (old form)Have you ever known anyone else who had to donate blood for his or her health 1=Yes 2=No 3=Not Sure	Num 4.

PREGNANT	Q9: For women only: Are you pregnant, have you been pregnant within the past 3 months, or are you breast feeding 1=Yes 2=No 3=Not Sure	Num 4.
HEALTH	Q10: In general, would you say your health is 1=Poor 2=Fair 3=Average 4=Good 5=Excellent	Num 4.
SICKEASY	Q11a: I seem to get sick a little easier than other people 1=Definitely true 2=Mostly true 3=Don't know 4=Mostly false 5=Definitely false	Num 4.
HLTHANY	Q11b: I am as healthy as anybody 1=Definitely true 2=Mostly true 3=Don't know 4=Mostly false 5=Definitely false	Num 4.
HLTHWORS	Q11c: I expect my health to get worse 1=Definitely true 2=Mostly true 3=Don't know 4=Mostly false 5=Definitely false	Num 4.
HLTHEXC	Q11d: My health is excellent 1=Definitely true 2=Mostly true 3=Don't know 4=Mostly false 5=Definitely false	Num 4.
NERVOUS	Q12a: Have you been a nervous person 1=All of the time 2=Most of the time 3=A good bit of the time 4=Some of the time 5=A little of the time 6=None of the time	Num 4.

DOWNDUMP	<p>Q12b: Have you felt so down in the dumps that nothing could cheer you up</p> <p>1=All of the time 2=Most of the time 3=A good bit of the time 4=Some of the time 5=A little of the time 6=None of the time</p>	Num 4.
CALM	<p>Q12c: Have you felt calm and peaceful</p> <p>1=All of the time 2=Most of the time 3=A good bit of the time 4=Some of the time 5=A little of the time 6=None of the time</p>	Num 4.
BLUE	<p>Q12d: Have you felt downhearted and blue</p> <p>1=All of the time 2=Most of the time 3=A good bit of the time 4=Some of the time 5=A little of the time 6=None of the time</p>	Num 4.
HAPPY	<p>Q12e: Have you been a happy person</p> <p>1=All of the time 2=Most of the time 3=A good bit of the time 4=Some of the time 5=A little of the time 6=None of the time</p>	Num 4.
SHOULDISH	<p>Q13: Information about a person's genetic risk should be shared with other family members.</p> <p>1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree</p>	Num 4.
GENETEST	<p>Q14: In general, I think genetic testing to find out about disease risk is a good idea</p> <p>1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree</p>	Num 4.
GOODTRT	<p>Q15a: There might be a good treatment by the time you developed the disease</p> <p>1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree</p>	Num 4.

CHGLIFE	Q15b: You could change to a healthier lifestyle to prevent getting the disease 1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree	Num 4.
PREPFUTU	Q15c: You could prepare better for the future 1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree	Num 4.
SHAREINF	Q15d: You could share this information with family members 1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree	Num 4.
INSURE	Q16a: You might have trouble getting or keeping your insurance 1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree	Num 4.
HELPLESS	Q16b: You might feel helpless because you can't change your genes 1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree	Num 4.
FEELLESS	Q16c: Knowing that you had a gene that put you at risk could make you feel less healthy 1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree	Num 4.
BADNEWS	Q16d: You could be bringing bad news into your family 1=Strongly Agree 2=Agree 3=Disagree 4=Strongly Disagree	Num 4.
HEREDITY	Q17a: Heredity (it runs in your family) 1=Very important 2=Somewhat important 3=Not important 4=Not sure	Num 4.

ENVIRON	Q17b: The environment (ex. Water/air pollution) 1=Very important 2=Somewhat important 3=Not important 4=Not sure	Num 4.
FATE	Q17c: Fate or chance (bad luck) 1=Very important 2=Somewhat important 3=Not important 4=Not sure	Num 4.
PSYCHO	Q17d: Psychological factors (ex. Stress) 1=Very important 2=Somewhat important 3=Not important 4=Not sure	Num 4.
LIFESTYL	Q17e: Lifestyle (ex. smoking, drinking, eating a high fat diet) 1=Very important 2=Somewhat important 3=Not important 4=Not sure	Num 4.
GHSCALE_IS	SF-36 General Health Scale - Initial Screening	Num 8.
MHSCALE_IS	SF-36 Mental Health Scale - Initial Screening	Num 8.
LETTERID	Type of Initial Screening test results letter 1A = C282Y/C282Y, C282Y/+, C282Y/H63D, H63D/H63D, H63D/+ with elevated iron levels 1B = C282Y/C282Y with normal iron levels 1C = +/+ with elevated iron levels 1D = C282Y/C282Y with iron alert levels 2 = +/+ with normal iron levels 2A = +/+ with iron alert levels 3 = C282Y/H63D, H63D/H63D, C282Y/+ with normal iron levels 3A = C282Y/H63D, H63D/H63D, C282Y/+ with iron alert levels 4 = H63D/+ with normal iron levels 4A = H63D/+ with iron alert levels 5 = Incomplete or Missing Lab Results	Char \$2.

Section IV: Initial Screen Lab Results

HOURS_IS	Hours since last food	Num 10.2
SERUM	Serum Iron Note 0='<5'	Num 7.2
SF_IS	Serum Ferritin Note 7.5 = '<15'	Num 10.2
TS_IS	Transferrin Saturation Note 1.5 = '<3'	Num 10.2

UIBC	Unsaturated Iron Binding Capacity	Num 8.2
TIBC	Total Iron Binding Capacity	Num 8.2
CASE_CONTROL	Invited CCE Case or Control 1=Case 2=Control	Num 2.
ELEVATED_INDICATOR	Elevated ts and sf at initial screening 1=elevated	Num 2.

Section V: CCE Consent Form

CONSTSIGNED_CCE	Signed Consent Form 1=Yes	Num 4.
DSIGNED_CCE	Date Consent Form signed (Number of days from given date)	Num 4.
HIPAAAUTH	Signed Hipaa authorization 1=Yes 2=No	Num 4.
DATEHIPAA	Date Hipaa authorization signed (Number of days from given date)	Num 4.
BLDSTORE_CCE	May we store your blood? 1=Yes 2=No	Num 4.
DWITHDRAWN_CCE	Date Withdrew consent (Number of days from given date)	Num 4.
CCE_ATTEND	CCE attended indicator 1=Yes	Num 2.

Section VI: Clinical Assessment

DCAVISIT	Date Clinical Assessment Form was filled out (Number of days from given date)	Num 4.
HEIGHT	Q7: Height in inches	Num 4.
WEIGHT	Q8: Body weight in pounds	Num 6.1
TEMPER	Q9: Body Temperature in Fahrenheit	Num 7.1
BMI	Body Mass Index	Num 6.1
PULSE	Q10: Pulse in beats per minute	Num 4.
SBP	Q11: Systolic Blood Pressure in mmHg	Num 11.
DBP	Q12: Diastolic Blood Pressure in mmHg	Num 11.

HEPATOM	Q13: Liver: Hepatomegaly (liver palpable \geq 2cm below R. costal margin or xiphoid process on deep inspiration) 1-Yes 2-No 3-Not sure	Num 4.
SPLENOM	Q14: Liver: Splenomegaly (spleen palpable below L. costal margin) 1-Yes 2-No 3-Not sure	Num 4.
BRADY	Q15a: Heart Arrythmia: Bradycardia ($<$ 40 beats per minute) 1-Yes 2-No 3-Not sure	Num 4.
TACHY	Q15b: Heart Arrythmia: Tachycardia ($>$ 100 beats per minute) 1-Yes 2-No 3-Not sure	Num 4.
PREMACON	Q15c: Heart Arrythmia: Frequent premature contractions (\geq 1 ectopic beat per min.) 1-Yes 2-No 3-Not sure	Num 4.
ABNORMAL	Q15d: Heart Arrythmia: Other abnormal rhythm 1-Yes 2-No 3-Not sure	Num 4.
MURMUR	Q15e: Heart Arrythmia: Murmur (any prolonged sound produced by the heart) 1-Yes 2-No 3-Not sure	Num 4.
EDEMA	Q15f: Heart Arrythmia: Edema (symmetrical edema of dependent areas, usually lower extremities, with or without pitting) 1-Yes 2-No 3-Not sure	Num 4.
PIGMENT	Q16: Skin: Increased pigmentation on sun-exposed or unexposed areas (grayish or brownish shades) 1-Yes 2-No 3-Not sure	Num 4.

BLISTER	Q17: Skin: Blistering, ulcers, scarring of sun-exposed skin 1-Yes 2-No 3-Not sure	Num 4.
HYPERTRI	Q18: Skin: Hypertrichosis (excess hair growth in sun-exposed areas) 1-Yes 2-No 3-Not sure	Num 4.
MPJOINTS	Q19: Bones and Joints: MP joints: Swollen or tender 1-Yes 2-No 3-Not sure	Num 4.

Section VII: CCE Lab Values

RETIC	Reticulocyte count (%) Reference Range: 0.4-2.5 %	Num 6.1
TS_CCE	% Iron Saturation iron binding protein (%) Reference Range: 15-50 %	Num 4.
SF_CCE	Serum Ferritin Concentration (ng/mL) Reference Range: 20-300 ng/mL (M) 10-120 ng/mL (F15-45y) 10-300 ng/mL (F45-127y) Note: 7.5 = '<15'	Num 4.
ALT	Serum Activity Alanine Aminotransferase (U/L) Reference Range: 0-31 U/L (F) 0-40 U/L (M) Note: 3 = '<4'	Num 8
AST	Serum Activity Aspartate Aminotransferase (U/L) Reference Range: 0-31 U/L (F) 0-37 U/L (M)	Num 8
CRP	Serum Concentration C-Reactive Protein (mg/dL) Reference Range: 0-0.5 mg/dL Note: 0.2 = '<0.3'	Num 8
LD	Serum activity lactate dehydrogenase (U/L) Reference Range: 94-250 U/L	Num 8
BILT	Serum concentration total bilirubin (mg/dL) Reference Range: 0.0-1.0 mg/dL	Num 8
DBIL	Serum concentration direct bilirubin (mg/dL) Reference Range: 0.0-0.3 mg/dL	Num 8
IBIL	Serum concentration indirect bilirubin (mg/dL) Reference Range: 0.0-0.7 mg/dL	Num 8

HAPT	Serum haptoglobin concentration (mg/dL) Reference Range: 30-200 mg/dL Note: 19 = '<20'	Num 8
HOURS_CCE	Hours since last ate food	Num 8
HEPATITS	Hepatitis B Surface Antigen or Hepatitis C virus antibody POSITIVE or NEGATIVE	Char \$15
FEBR	Serum iron binding capacity (ug/dL) Reference Range: 228-428 ug/dL	Num 8
FER	Serum iron concentration (ug/dL) Reference Range: 45-160 ug/dL (M) 30-160 ug/dL (F)	Num 8
GGT	Serum activity of gamma glutamyl transferase (U/L) Reference Range: 7-33 U/L (F) 11-51 U/L (M) Note 2 = '<3'	Num 8
GLUC	Serum glucose concentration (mg/dL) Reference Range: 60-115 mg/dL	Num 8
HA1	Hemoglobin A1 (%total hemoglobin) Reference Range: 94.3-98.5 %	Num 8
HA2	Hemoglobin A2 (%total hemoglobin) Reference Range: 1.5-3.7 %	Num 8
HBELP	Abnormal hemoglobin type	Num 8
HCT	Hematocrit (%red blood cells in whole blood) Reference Range: 40-53% (M) 35-47% (F)	Num 8
HF	Hemoglobin F-fetal (%total hemoglobin) Reference Range: 0.0-2.0%	Num 8
HGB	Hemoglobin Concentration (g/dL) Reference Range: 13.3-17.7 g/dL (M) 11.7-15.7 g/dL (F)	Num 8
HGC	Hemoglobin C (%total hemoglobin) Reference Range: 0.0-0.0 %	Num 8
HGE	Hemoglobin E (%total hemoglobin) Reference Range: 0.0-0.0 %	Num 8
HOTHER	Hemoglobin Other (%total hemoglobin) Reference Range: 0.0-0.0 %	Num 8
HS	Hemoglobin S-sickle cell (%total hemoglobin) Reference Range: 0.0-0.0 %	Num 8
INS	Insulin concentration (mIU/L) Reference Range: 0-20 mIU/L	Num 8

MCH	Mean corpuscular hemoglobin/RBC (picograms) Reference Range: 26.5-35.0 pg	Num 8
MCHC	Mean corpuscular hemoglobin conc/RBC (g/dL) Reference Range: 32-36 g/dL	Num 8
MCV	Mean corpuscular volume (femtoliters) Reference Range: 78-100 fL	Num 8
RBC	Red blood cell count (# cells/10 ¹² /L) Reference Range: 4.4-5.9 (M) x10 ¹² /L 3.8-5.2 (F) x10 ¹² /L	Num 8
RDW	Red cell distribution width (%) Reference Range: 10.0-15.0 %	Num 8
WBC	White blood cell count (# cells/10 ⁹ /L) Reference Range: 4.0-11.0 x10 ⁹ /L	Num 8
PLT	Platelet (# platelets/10 ⁹ /L) Reference Range: 150-450 x10 ⁹ /L	Num 8
WNEUT	Neutrophils (%neutrophils in WBC count) Reference Range: 40-75 %	Num 8
WLYMP	Lymphocytes (%lymphocytes in WBC count) Reference Range: 20-48 %	Num 8
WMONO	Monocytes (%monocytes in WBC count) Reference Range: 0-12 %	Num 8
WEOS	Eosinophils (%eosinophils in WBC count) Reference Range: 0-6 %	Num 8
WBASO	Basophils (%basophils in WBC count) Reference Range: 0-2 %	Num 8
ANEUT	Absolute neutrophils (# cells/10 ⁹ /L) Reference Range: 1.6-8.3 x10 ⁹ /L	Num 8
ALYMP	Absolute lymphocytes (# cells/10 ⁹ /L) Reference Range: 0.8-5.3 x10 ⁹ /L	Num 8
AMONO	Absolute monocytes (# cells/10 ⁹ /L) Reference Range: 0-1.3 x10 ⁹ /L	Num 8
AEOS	Absolute eosinophils (# cells/10 ⁹ /L) Reference Range: 0-0.7 x10 ⁹ /L	Num 8
ABASO	Absolute basophils (# cells/10 ⁹ /L) Reference Range: 0-0.2 x10 ⁹ /L	Num 8

Section VIII: Medical History

DMHVISIT	Date of visit (Number of days from given date)	Num 4.
ssFeetSw	Q1: Experienced swelling of feet or ankles 1=Yes 2=No 3=Don't Know	Num 4.
ssSkinCh	Q2: Experienced change in skin color 1=Yes 2=No 3=Don't Know	Num 4.
ssWeight	Q3: Experienced unexplained weight loss 1=Yes 2=No 3=Don't Know	Num 4.
ssAdomSw	Q4: Experienced abdominal swelling or fluid 1=Yes 2=No 3=Don't Know	Num 4.
ssLossDr	Q5: Experienced trouble having an erection or loss of sexual drive 1=Yes 2=No 3=Don't Know	Num 4.
ssChrFt	Q6: Repeatedly bothered by chronic fatigue/weakness 1=Yes 2=No 3=Don't Know	Num 4.
ssShrtBr	Q7: Repeatedly bothered by shortness of breath 1=Yes 2=No 3=Don't Know	Num 4.
ssJntStf	Q8: Repeatedly bothered by joint stiffness/pain/ache 1=Yes 2=No 3=Don't Know	Num 4.
ssThirst	Q9: Repeatedly bothered by excessive thirst 1=Yes 2=No 3=Don't Know	Num 4.
ssPlyUr	Q10: Repeatedly bothered by polyuria (excessive urination) 1=Yes 2=No 3=Don't Know	Num 4.

ssUnxAdm	Q11: Repeatedly bothered by unexplained abdominal pain or discomfort 1=Yes 2=No 3=Don't Know	Num 4.
ssUnxCon	Q12: Repeatedly bothered by unexplained confusion or memory loss 1=Yes 2=No 3=Don't Know	Num 4.
mhHemo	Q13: Ever told that you have/had iron overload or hemochromatosis 1=Yes 2=No 3=Don't Know	Num 4.
mhAnemia	Q14: Ever told that you have/had anemia (low iron) 1=Yes 2=No 3=Don't Know	Num 4.
mhSC	Q15: Ever told that you have/had sickle cell anemia 1=Yes 2=No 3=Don't Know	Num 4.
mhThal	Q16: Ever told that you have/had thalassemia or other inherited anemia 1=Yes 2=No 3=Don't Know	Num 4.
mhBlood	Q17: Ever told that you have/had unusual blood loss (vomiting or coughing up blood, blood in stool, or blood in urine) 1=Yes 2=No 3=Don't Know	Num 4.
mhDiab	Q18: Ever told that you have/had diabetes 1=Yes 2=No 3=Don't Know	Num 4.
mhDiabMd	Q18a: Are you taking medication for diabetes? 1=Yes 2=No	Num 4.
mhDiabIn	Q18b: Are you taking insulin for diabetes? 1=Yes 2=No	Num 4.
mhDiabPl	Q18c: Are you taking pills for diabetes? 1=Yes 2=No	Num 4.

mhDiabTr	Q18d: At what age was diabetes first treated? 1=Yes 2=No 3=Don't Know	Num 4.
mhLiver	Q19: Ever told that you have/had liver disease? 1=Yes 2=No 3=Don't Know	Num 4.
mhLivFat	Q19a: Ever told that you have/had Fatty liver? 1=Yes 2=No 3=Don't Know	Num 4.
mhLivCir	Q19b: Ever told that you have/had cirrhosis? 1=Yes 2=No 3=Don't Know	Num 4.
mhLivCan	Q19c: Ever told that you have/had liver cancer (cancer that started in the liver)? 1=Yes 2=No 3=Don't Know	Num 4.
mhHep	Q19e: Ever told that you have/had hepatitis A or B or C or other type. 1=Yes 0=No	Num 1.
mhThyr	Q20: Ever told that you have/had thyroid disease (over-active or under-active thyroid)? 1=Yes 2=No 3=Don't Know	Num 4.
mhHrt	Q21: Ever told that you have/had heart failure or weak heart? 1=Yes 2=No 3=Don't Know	Num 4.
mhHrtAb	Q22: Ever told that you have/had abnormal heart rhythm, heart beat, or action/arrthymia? 1=Yes 2=No 3=Don't Know	Num 4.
mhHrtOth	Q23: Ever told that you have/had other heart disease or heart attack? 1=Yes 2=No 3=Don't Know	Num 4.

mhArth	Q24: Ever told that you have/had arthritis? 1=Yes 2=No 3=Don't Know	Num 4.
mhOsteo	Q25: Ever told that you have/had osteoporosis (weak, thin, or brittle bones)? 1=Yes 2=No 3=Don't Know	Num 4.
mhPorph	Q26: Ever told that you have/had porphyria cutanea tarda? 1=Yes 2=No 3=Don't Know	Num 4.
mhChrInf	Q28: Ever told that you have/had chronic inflammation, chronic infection, autoimmune disease or lupus? 1=Yes 2=No 3=Don't Know	Num 4.
mhCancer	Q29: Ever told that you have/had cancers (other than those starting in the liver)? 1=Yes 2=No 3=Don't Know	Num 4.
mhChemo	Q30: Ever had chemotherapy or bone marrow transplant? 1=Yes 2=No 3=Don't Know	Num 4.
rhMenPr	Q31a: Ever seen a doctor for menstrual problems? 1=Yes 2=No 3=Don't Know	Num 4.
rhBleed	Q31b: Ever seen a doctor for in-between bleeding? 1=Yes 2=No 3=Don't Know	Num 4.
rhStop	Q31c: Ever seen a doctor for early stopping of periods? 1=Yes 2=No 3=Don't Know	Num 4.
rhPreg	Q32: Ever been pregnant? 1=Yes 2=No 3=Don't Know	Num 4.
rhPregNm	Q32a: Number of pregnancies	Num 4.
rhBirths	Q32b: Number of live births	Num 4.

rhPregC	Q33: Are you currently pregnant? 1=Yes 2=No 3=Don't Know	Num 4.
rhMen	Q34: Gone through menopause? 1=Yes 2=No 3=Don't Know	Num 4.
rhMenAge	Q34a: Age at menopause?	Num 4.
rhMenar	Q35: Age at menarche?	Num 4.
rhHyst	Q36: Had a hysterectomy? 1=Yes 2=No 3=Don't Know	Num 4.
rhHysAge	Q36a: Age at hysterectomy?	Num 4.
btEver	Q37: Ever had blood transfusions? 1=Yes 2=No 3=Don't Know	Num 4.
btTotal	Q37a: Number of pints/units transfused in a lifetime?	Num 4.
gt10	Q37b: Have you had more than 10 pints/units transfused in a lifetime? 1=Yes 2=No	Num 4.
btWhole	Q38: Ever donated whole blood at a blood bank? 1=Yes 2=No 3=Don't Know	Num 4.
btWholeU	Q38a: Number of whole blood units in lifetime?	Num 4.
liBrRest	Q39a: Get short of breath while resting in a chair? 1=Yes 2=No	Num 4.
liBrLvel	Q39b: Get short of breath while walking on level ground? 1=Yes 2=No	Num 4.
liBrQuik	Q39c: Get short of breath when walking quickly or uphill? 1=Yes 2=No 3=Never do this	Num 4.
liAlcoh	Q40: Ever consumed alcoholic beverages? 1=Yes 2=No	Num 4.

liAlcAge	Q41: Age started consuming alcoholic beverages?	Num 4.
liAlcPr	Q42: Presently drink alcoholic beverages? 1=Yes 2=No	Num 4.
liAlcYr	Q42a: Number of years have been drinking alcoholic beverages?	Num 4.
liAlcYrN	Q42b: Number of years did you drink alcoholic beverages?	Num 4.
liAlcNum	Q42c: Usual number of drinks you had per week before stopping?	Num 4.
dmGrade	Q43: Highest grade of school completed 1=Less than HS 2=HS 3=Some univ. 4=Bachelors 5=Post-graduate	Num 6.

Section IX: Additional Medical History Questions

Note: Asked if answered 'YES' to question 13 of the medical history form.

DMHAVISIT	Date of visit (Number of days from given date)	Num 4.
PHLEB	Have you ever had phlebotomy as treatment for your iron overload or HH? 1=No 2=Yes	Num 4.
BIOPSY	Have you ever had a liver biopsy? 1=No 2=Yes	Num 4.

Section X: Food Frequency - Individual Questions

FOR FOOD ITEMS REGULAR OR DRAFT BEER THROUGH DIET SODAS USE THE FOLLOWING FORMAT:

- Average use during last year
- 1 - Never or hardly ever
- 2 - Once a month
- 3 - 2 - 3 times a month
- 4 - Once a week
- 5 - 2 - 3 times a week
- 6 - 4 - 6 times a week
- 7 - Once a day
- 8 - 2 - 3 times a day
- 9 - 4 or more times a day
- Blank - Not Answered
- * - Multiple Answers

Q368	Regular or Draft Beer Frequency	Char \$1.
Q369	Light Beer Frequency	Char \$1.

Q370	White or Pink Wine Frequency	Char \$1.
Q371	Red Wine Frequency	Char \$1.
Q372	Hard Liquor Frequency	Char \$1.

FOR FOOD ITEMS REGULAR OR DRAFT BEER THROUGH HARD LIQUOR USE THE FOLLOWING FORMAT:

Usual Serving Size
 1 - 1 can or bottle or less
 2 - 2 cans or bottles
 3 - 3 cans or bottles
 4 - 4 cans or more
 Blank - Not Answered
 * - Multiple Answers

Q375	Regular or Draft Beer Serving Size	Char \$1.
Q376	Light Beer Serving Size	Char \$1.
Q377	White or Pink Wine Serving Size	Char \$1.
Q378	Red Wine Serving Size	Char \$1.
Q379	Hard Liquor Serving Size	Char \$1.

Section XI: Food Frequency Summary Variables

AVERAGE DAILY INTAKE FROM FOODS:

iron	Iron (mg)	Num 15.3
alc	Alcohol (g)	Num 15.3

AVERAGE DAILY INTAKE FROM VITAMIN AND MINERAL SUPPLEMENTS:

sIron	Iron from Supplements (mg)	Num 15.3
sIron2	Iron from Supplements where use was >= 2 years (mg)	Num 15.3
DMFPIron	Daily Meat-Fish-Poultry (MFP) Iron (mg)	Num 15.3