FRAMINGHAM HEART STUDY - CODING MANUAL

ORIGINAL COHORT EXAM 10

COHORT: ORIGINAL COHORT

DATA COLLECTION TIME FRAME: EXAM 10

SAS DATASET NAME: EXO\_10S.SAS7BDAT

#RECORDS: 3595

The value ranges and observation number stated in the manual are based on the original data set. In some cases, observation may be deleted due to participant consent form restrictions. If observations have been deleted from this data set, the ranges or observation number may differ from those stated in this manual.

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VERSION 1: 02-20-08

deleted names in variable fc140 created new version for the SHARe PROJECT

deleted all tape and deck numbers

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## VARIABLE DESCRIPTION

ID FRAMINGHAM PARTICIPANT ID

ID deleted - use SHAREID

SHAREID SHARE ID NUMBER

FC2 SEX

1 = MAN2 = WOMAN

FC2 deleted - redundant, use most current basic file

FC3 AGE AT EXAM 10

3 = 47-49 YEARS4 = 50-54 YEARS

5 = 55-59 YEARS

6 = 60-64 YEARS

7 = 65-69 YEARS

8 = 70-74 YEARS

9 = 75 - 79 YEARS

10 = 80 YEARS

FC3 deleted - redundant, use most current basic file

FC4 FRAMINGHAM RELATIVE WEIGHT

56-222 KNOWN, IN PERCENT

FC5	METROPOLITAN IDEAL RELATIVE WEIGHT 69-268 KNOWN, IN PERCENT 9999 = UNKNOWN
FC6	BODY WEIGHT 71-300 KNOWN, POUNDS 999 = UNKNOWN
FC7	HEIGHT, TO NEXT LOWER QUARTER INCH 5050-7600 = 50.50-76.00 INCHES 9999 = UNKNOWN
FC8	SKINFOLD TRICEPS, RIGHT 2-49 KNOWN, IN MILLIMERERS 99 = UNKNOWN FC8 deleted - data is known to be unreliable
FC9	SKINFOLD TRICEPS, LEFT 2-54 KNOWN, IN MILLIMETERS 99 = UNKNOWN FC9 deleted - data is known to be unreliable
FC10	URINALYSIS: SUGAR  0 = NEGATIVE  1 = POSITIVE  2 = DOUBTFUL  9 = UNKNOWN
FC11	URINALYSIS: ALBUMIN  0 = NEGATIVE  1 = POSITIVE  9 = UNKNOWN
FC12	BLOOD PRESSURE, SYSTOLIC, TAKEN BY NURSE (MM HG) 84-244 999 = UNKNOWN
FC13	BLOOD PRESSURE, DIASTOLIC, TAKEN BY NURSE (MM HG) 58-146 999 = UNKNOWN
FC14	BLOOD PRESSURE, SYSTOLIC, FIRST READING TAKEN BY PHYSICIAN (MM HG) 90-264

FC15	BLOOD PRESSURE, DIASTOLIC, FIRST READING TAKEN BY PHYSICIAN (MM HG) 50-130
FC16	BLOOD PRESSURE, SYSTOLIC, SECOND READING TAKEN BY PHYSICIAN (MM HG) 88-270 999 = UNKNOWN
FC17	BLOOD PRESSURE, DIASTOLIC, SECOND READING TAKEN BY PHYSICIAN (MM HG) 40-130 999 = UNKNOWN
FC18	BLOOD ANALYSIS HEMATOCRIT 25-58 KNOWN, IN PERCENT 99 = UNKNOWN
FC19	BLOOD ANALYSIS: SERUM CHOLESTEROL (MG/100 ML) 104-462 999 = UNKNOWN
FC20	BLOOD ANALYSIS: FASTING  0 = NO 1 = YES 9 = UNKNOWN  NOTE: Information not obtained after August 1969.
FC21	BLOOD ANALYSIS: SUGAR (MG/100 ML) 44-478 999 = UNKNOWN NOTE: Information not obtained after August 1969.
FC22	BLOOD ANALYSIS: TOTAL CHOLESTEROL (MG/100 ML) 104-462 999 = UNKNOWN NOTE: Information not obtained after August 1969.
FC23	BLOOD ANALYSIS: BETA CHOLESTEROL (MG/100 ML) 62-428 999 = UNKNOWN NOTE: Information not obtained after August 1969.
FC24	BLOOD ANALYSIS: ALPHA CHOLESTEROL (MG/100 ML) 7-189 999 = UNKNOWN

NOTE: Information not obtained after August 1969.

FC25 BLOOD ANALYSIS: SERUM PHOSPHOLIPID (MG/100 ML) 140-691 999 = UNKNOWNNOTE: Information not obtained after August 1969. FC26 BLOOD ANALYSIS: FIBRINOGEN (MG/100 ML) 126-896 999 = UNKNOWNNOTE: Information not obtained after August 1969. FC27 BLOOD ANALYSIS: LIGHT SCATTERING INTENSITY, FILTERED 9-292 L.S.I. UNITS DESCRIBED BY THORP 999 = UNKNOWN NOTE: Information not obtained after August 1969. FC28 BLOOD ANALYSIS: LIGHT SCATTERING INTENSITY, UNFILTERED NOTE: Information not obtained after August 1969. FC29 BLOOD ANALYSIS: CAROTENE (MICROGRAMS PER 100 ML) 24-990 994 = UNKNOWN 999 = UNKNOWN NOTE: Information not obtained after August 1969. FC30 BLOOD ANALYSIS: LIPOPROTEIN ELECTROPHORETIC PATTERN 0 = NEGATIVE 4 = FREDERICKSON CLASS 4 5 = FREDERICKSON CLASS 5 9 = UNKNOWN NOTE: Information not obtained after August 1969. BLOOD ANALYSIS: DENSITY OF PRE-BETA BAND FC31 0 = NONE1 = POSITIVE 12 = POSITIVE 23 = TRACE 9 = UNKNOWNNOTE: Information not obtained after August 1969. FC32 BLOOD ANALYSIS: TRIGLYCERIDE (EQ/HL) 44-4388 9999 = UNKNOWN

NOTE: Information not obtained after August 1969.

FC33 SKINFOLD SUBSCAPULAR, (RIGHT IN MILLIMETERS) 3-54 KNOWN, IN MILLIMETERS 99 = UNKNOWN NOTE: Information not obtained before September 1969. FC33 deleted - data is known to be unreliable FC34 SKINFOLD SUBSCAPULAR, LEFT (MILLIMETERS) 2-56 99 = UNKNOWN NOTE: Information not obtained before September 1969. FC34 deleted - data is known to be unreliable FC35 GLUCOSE CHALLENGE: TIME OF LAST EATING, AM OR PM 1 = AM2 = PM9 = NO CHALLENGE NOTE: Information not obtained before September 1969. GLUCOSE CHALLENGE: TIME OF LAST EATING. HOUR FC36 1 - 1299 = NO CHALLENGE NOTE: Information not obtained before September 1969. FC37 GLUCOSE CHALLENGE: TIME OF LAST EATING, MINUTE 0 - 5999 = NO CHALLENGE NOTE: Information not obtained before September 1969. FC38 GLUCOSE CHALLENGE: TIME GLUCOSE GIVEN, AM OR PM 1 = AM2 = PM9 = NO CHALLENGE NOTE: Information not obtained before September 1969. FC39 GLUCOSE CHALLENGE: TIME GLUCOSE GIVEN HOUR 1 - 1299 = NO CHALLENGE NOTE: Information not obtained before September 1969. FC40 GLUCOSE CHALLENGE: TIME GLUCOSE GIVEN. MINUTE 0 - 5999 = NO CHALLENGE NOTE: Information not obtained before September 1969. FC41 BLOOD ANALYSIS: SUGAR (AFTER GLUCOSE CHALLENGE) (MG/100 ML) 50-515 999 = UNKNOWNNOTE: Information not obtained before September 1969.

FC42	BLOOD ANALYSIS, FASTING: TOTAL CHOLESTEROL (MG/100 ML) 119-385 999 = UNKNOWN
FC43	BLOOD ANALYSIS, FASTING: ALPHA CHOLESTEROL (MG/100 ML) 16-145 999 = UNKNOWN NOTE: Information not obtained before September 1969.
FC44	BLOOD ANALYSIS, FASTING: VLDL CHOLESTEROL (MG/100 ML) 0-237 999 = UNKNOWN NOTE: Information not obtained before September 1969.
FC45	BLOOD ANALYSIS, FASTING: BETA CHOLESTEROL (MG/100 ML) 44-295 999 = UNKNOWN NOTE: Information not obtained before September 1969.
FC46	BLOOD ANALYSIS: FASTING: TRIGLYCERIDE 9999 = UNKNOWN NOTE: Information not obtained before September 1969.
FC47	BLOOD ANALYSIS, FASTING: DENSITY OF PRE-BETA BAND  0 = NONE  1 = POSITIVE 1  2 = POSITIVE 2  3 = TRACE  9 = NKNOWN  NOTE: Information not obtained before September 1969.
FC48	BLOOD ANALYSIS, FASTING: VLDL BETA BAND  0 = NONE  9 = UNKNOWN  NOTE: Information not obtained before September 1969.
FC49	<pre>X-RAY: CHEST FILM 1 = SATISFACTORY 2 = UNSATISFACTORY 9 = NOT DONE</pre>
FC50	X-RAY: (BEFORE) GENERALIZED CARDIAC ENLARGEMENT  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE  9 = UNKNOWN

FC51 X-RAY: (BEFORE) LEFT VENTRICULAR HYPERTROPHY 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC52 X-RAY: (BEFORE) ATRIAL HYPERTROPHY 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC53 X-RAY: (BEFORE) BIGHT VENTYICULAR HYPERTROPHY 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC54 X-RAY: (BEFORE) ABNORMAL CONTOUR OTHER THAN ENLARGEMENT 0 = NO1 = YES, DEFINITE 2 = YES MAYBE (NONE)9 = UNKNOWNFC55 X-RAY: (BEFORE) ABNORMAL PULMONARY ARTERY 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC56 X-RAY: (BEFORE) ABNORMAL POSITION OF HEART 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE (NONE)9 = UNKNOWN FC57 X-RAY: (BEFORE) CARDIOVASCULAR CALCIFICATION OTHER THAN AORTIC 0 = NO1 = YES, DEFINITE2 = YES, MAYBE (NONE)9 = UNKNOWN FC58 X-RAY: AORTA TORTUOUS, ARCH 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN

FC59 X-RAY: AORTA TORTUOUS, ASCENDING 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC60 X-RAY: AORTA TORTUOUS, DESCENDING 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC61 X-RAY: AORTA CALCIFIED 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC62 X-RAY: AORTA ABNORMAL OTHER THAN TORTUOUS OR CALCIFIED 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE (NONE)9 = UNKNOWNX-RAY: NON-CARDIOVASCULAR ABNORMALITY, BONE FC63 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC64 X-RAY: NON-CARDIOVASCULAR ABNORMALITY, PLEURAL 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC65 X-RAY: NON-CARDIOVASCULAR ABNORMALITY, PARENCHYMAL 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC66 X-RAY: NON-CARDIOVASCULAR ABNORMALITY, OTHER 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN

FC67	X-RAY: HEART SIZE (INDEX DERIVED FROM NOMOGRAM) 46-190 = KNOWN 999 = UNKNOWN
FC68	<pre>X-RAY: (AFTER) GENERALIZED CARDIAC ENLARGEMENT 0 = NO 1 = YES, DEFINITE 2 = YES, MAYBE 9 = UNKNOWN</pre>
FC69	X-RAY: (AFTER) LEFT VENTRICULAR HYPERTROPHY  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE  9 = UNKNOWN
FC70	X-RAY: (AFTER) ATRIAL HYPERTROPHY  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE  9 = UNKNOWN
FC71	<pre>X-RAY: (AFTER) RIGHT VENTRICULAR HYPERTROPHY 0 = NO 1 = YES, DEFINITE 2 = YES, MAYBE 9 = UNKNOWN</pre>
FC72	<pre>X-RAY: (AFTER) ABNORMAL CONTOUR OTHER THAN ENLARGEMENT 0 = NO 1 = YES, DEFINITE 2 = YES, MAYBE (NONE) 9 = UNKNOWN</pre>
FC73	<pre>X-RAY: (AFTER) ABNORMAL POSITION OF HEART 0 = NO 1 = YES, DEFINITE 2 = YES, MAYBE (NONE) 9 = UNKNOWN</pre>
FC74	X-RAY: HEART LARGER NOW THAN AT PRECEDING EXAM  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE  9 = UNKNOWN

FC75 X-RAY: CARDIO-ROENTGEN ACTIVATOR 1 = SATISFACTORY 2 = UNSATISFACTORY 9 = NOT DONE FC76 PERSONAL HISTORY: PRESENT AGE 46-80 YEARS, LAST BIRTHDAY FC76 deleted - redundant, use most current basic file FC77 PERSONAL HISTORY: BIRTH ORDER 1-16 99 = UNKNOWN FC78 PERSONAL HISTORY: NO. OF SIBLINGS (INCLUDING SUBJECT) 1-22 = KNOWN99 = UNKNOWN FC78 deleted - redundant, use most current family file FC79 PERSONAL HISTORY: MARITAL STATUS 1 = SINGLE2 = MARRIED3 = WIDOWED4 = DIVORCED 5 = SEPARATED FC80 INTERIM HISTORY OF HOSPITALIZATION 0 = NO1 = YES9 = UNKNOWN FC81 INTERIM HISTORY OF ILLNESS AND/OR VISIT TO DOCTOR 0 = NO1 = YES9 = UNKNOWN FC82 INTERIM HISTORY OF MEDICINE USED: CARDIAC GLYCOSIDES 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN FC83 INTERIM HISTORY OF MEDICINE USED: NITRITES 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN

FC84 INTERIM HISTORY OF MEDICINE USED: QUINIDINE (OR PROCAINAMIDE) 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN INTERIM HISTORY OF MEDICINE USED: DIURETICS FC85 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN FC86 INTERIM HISTORY OF MEDICINE USED: HYPOTENSIVES 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN FC87 INTERIM HISTORY OF MEDICINE USED: ANTI-CHOLESTEROL AGENTS 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWNINTERIM HISTORY OF MEDICINE USED: THYROID FC88 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN FC89 INTERIM HISTORY OF MEDICINE USED: ANTITHYROID 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN FC90 INTERIM HISTORY OF MEDICINE USED: ANTICOAGULANTS 0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN FC91 INTERIM HISTORY OF MEDICINE USED: HYPOGLYCEMIC AGENTS 0 = NO1 = YES, NOW2 = YES, NOT NOW

0 = NO1 = YES, NOW2 = YES, NOT NOW9 = UNKNOWN FC93 MENOPAUSE: PERIODS HAVE STOPPED ONE YEAR OR MORE 0 = NO1 = YES8 = MAN9 = UNKNOWN FC93 deleted - redundant, use most current menopause file FC94 MENOPAUSE: AGE AT WHICH PERIODS STOPPED 00 = PERIODS NOT STOPPED 88 = MAN99 = UNKNOWN FC94 deleted - redundant, use most current menopause file FC95 MENOPAUSE: CAUSE OF CESSATIONS OF MENSES 0 = NATURAL1 = SURGERY2 = OTHER7 = PERIODS NOT STOPPED 8 = MAN9 = UNKNOWN FC95 deleted - redundant, use most current menopause file FC96 MENOPAUSE: HORMONE THERAPY 0 = NO1 = YES, UNDER A YEAR2 = YES, OVER A YEAR7 = PERIODS NOT STOPPED 8 = MAN, NOT TAKING HORMONES 9 = UNKNOWN NOTE: Two men are shown as taking hormones, code 1 and code 2, also 11 women whose periods have not stopped. FC97 MENOPAUSE: HYSTERECTOMY 0 = NO1 = YES7 = PERIODS NOT STOPPED 8 = MAN

9 = UNKNOWN

INTERIM HISTORY OF MEDICINE USED: TRANQUILIZERS

0 = NONE1 = ONE2 = BOTH7 = PERIODS NOT STOPPED 8 = MAN9 = UNKNOWNNOTE: Two women whose periods have not stopped have code 1, for one ovary removed. FC98 deleted - redundant, use most current menopause file FC99 INTERIM HISTORY OF SMOKING: SMOKED AT LEAST ONE YEAR IN LAST TWO YEARS 0 = NO1 = YES9 = UNKNOWNFC100 INTERIM HISTORY OF SMOKING: SMOKES CIGARS 0 = NO1 = YES9 = UNKNOWN FC101 INTERIM HISTORY OF SMOKING: SMOKES PIPE 0 = NO1 = YES9 = UNKNOWN FC102 INTERIM HISTORY OF SMOKING: SMOKES CIGARETTES 0 = NO1 = YES9 = UNKNOWN FC103 INTERIM HISTORY OF SMOKING: NO. OF CIGARETTES PER DAY 0-80 KNOWN 99 = UNKNOWN FC104 INTERIM HISTORY OF SMOKING: PORTION OF CIGARETTE SMOKED 1 = ONE FOURTH 2 = TWO FOURTHS 3 = THREE FOURTHS 0 = NO CIGARETTES SMOKED 9 = UNKNOWNFC105 INTERIM HISTORY OF SMOKING: USES FILTER ON CIGARETTE 0 = NO1 = YES9 = UNKNOWN

MENOPAUSE: OVARIES REMOVED

FC106	<pre>INTERIM HISTORY OF SMOKING: INHALES CIGARETTE    0 = NO    1 = YES    9 = UNKNOWN</pre>
FC107	INTERIM HISTORY OF DIET: LOW FAT DIET  0 = NO  1 = YES  9 = UNKNOWN
FC108	INTERIM HISTORY OF DIET: LOW CALORIE DIET  0 = NO  1 = YES  9 = UNKNOWN
FC109	<pre>INTERIM HISTORY OF DIET: LOW SALT DIET   0 = NO   1 = YES   9 = UNKNOWN</pre>
FC110	<pre>INTERIM HISTORY OF DIET: BLAND DIET    0 = NO    1 = YES    9 = UNKNOWN</pre>
FC111	<pre>INTERIM HISTORY OF DIET: DIABETIC DIET   0 = NO   1 = YES   9 = UNKNOWN</pre>
FC112	INTERIM HISTORY OF DIET: OTHER DIET  0 = NO  1 = YES  9 = UNKNOWN
FC113	<pre>INTERIM HISTORY OF DIET: SUBJECT AVOIDS SALT OR SALTY FOODS 0 = NO 1 = YES 9 = UNKNOWN</pre>
FC114	INTERIM HISTORY OF DIET: EXAMINER BELIEVES SUBJECT IS FOLLOWING DIET  0 = NO 1 = YES 9 = UNKNOWN

FC115 INTERIM HISTORY OF RESPIRATORY SYMPTOMS: CRONIC COUGH 0 = NO1 = YES, PRODUCTIVE 2 = YES, NON-PRODUCTIVE 9 = UNKNOWN FC116 INTERIM HISTORY OF RESPIRATORY SYMPTOMS: TROUBLED WITH WHEEZING 0 = NO1 = YES9 = UNKNOWN FC117 INTERIM HISTORY OF RESPIRATORY SYMPTOMS: DYSPNEA ON EXERTION 0 = NO1 = YES, GRADE 12 = YES, GRADE 23 = YES, GRADE 39 = UNKNOWN FC118 INTERIM HISTORY OF RESPIRATORY SYMPTOMS: DYSPNEA INCREASED IN PAST TWO YEARS 0 = NO1 = YES9 = UNKNOWNFC119 INTERIM HISTORY OF RESPIRATORY SYMPTOMS: ORTHOPNEA 0 = NO1 = YES9 = UNKNOWN FC120 INTERIM HISTORY OF RESPIRATORY SYMPTOMS: PAROXYSMAL NOCTURNAL DYSPNEA 0 = NO1 = YES9 = UNKNOWN FC121 INTERIM HISTORY OF RESPIRATORY SYMPTOMS: ANKLE EDEMA, BILATERAL 0 = NO1 = YES9 = UNKNOWN FC122 EXAMINER'S OPINION: SUBJECT HAD CHF SINCE LAST EXAMINATION 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC122 deleted - redundant, use most current soe file

0 = NO1 = YES9 = UNKNOWN FC124 CHEST DISCOMFORT: FIRST EXAMINER'S OPINION, ANGINA PECTORIS 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWNFC124 deleted - redundant, use most current soe file FC125 CHEST DISCOMFORT: FIRST EXAMINER'S OPINION, CORONARY INSUFFICIENCY 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC125 deleted - redundant, use most current soe file FC126 CHEST DISCOMFORT: FIRST EXAMINER'S OPINION, MYOCARDIAL INFARCTION 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC126 deleted - redundant, use most current soe file CHEST DISCOMFORT: SECOND EXAMINER'S OPINION, ANGINA PECTORIS FC127 0 = NO1 = YES, DEFINITE2 = YES, MAYBE3 = NO SECOND EXAMINATION 9 = UNKNOWN (NONE) FC127 deleted - redundant, use most current soe file FC128 CHEST DISCOMFORT: SECOND EXAMINER'S OPINION, CORONARY INSUFFICIENCY 0 = NO1 = YES, DEFINITE2 = YES, MAYBE3 = NO SECOND EXAMINATION

FC128 deleted - redundant, use most current soe file

CHEST DISCOMFORT

9 = UNKNOWN

FC129 CHEST DISCOMFORT: SECOND EXAMINER'S OPINION, MYOCARDIAL INFARCTION 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE3 = NO SECOND EXAMINATION 9 = UNKNOWNFC129 deleted - redundant, use most current soe file FC130 EXAMINER'S OPINION: SUBJECT HAD A STROKE SINCE LAST EXAMINATION 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC130 deleted - redundant, use most current soe file FC131 EXAMINER'S OPINION: SUBJECT HAD A TRANSITORY ISCHEMIC ATTACK SINCE LAST EXAMINATION 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC131 deleted - redundant, use most current soe file FC132 LIFETIME HISTORY OF A PERIPHERAL VASCULAR DISEASE: FAMILY HISTORY (PARENT, SIBLING, OFFSPRING) OF NONTRAUMATIC AMPUTATION OF LOWER EXTREMITY 0 = NO1 = YES9 = UNKNOWN FC132 deleted - to preserve confidentiality FC133 LIFETIME HISTORY OF A PERIPHERAL VASCULAR DISEASE: TROUBLE WITH VARICOSE VEINS, PHLEBITIS, UNILATERAL SWELLING OF LEG OR LEG ULCERS 0 = NO1 = YES9 = UNKNOWN FC134 LIFETIME HISTORY OF PERIPHERAL VASCULAR DISEASE: TROUBLED WITH FREQUENT COLDNESS IN ONE EXTREMITY 0 = NO1 = YES9 = UNKNOWN FC135 LIFETIME HISTORY OF PERIPHERAL VASCULAR DISEASE: TROUBLE WITH FINGERS ON EXPOSURE TO COLD 0 = NO1 = YES

FC136 EXAMINER'S OPINION: SUBJECT HAS RAYNAUD'S PHENOMENON 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC137 LIFETIME HISTORY OF PERIPHERAL VASCULAR DISEASE: DISCOMFORT IN LOWER LIMBS WHILE WALKING 0 = NO1 = YES9 = UNKNOWN FC138 EXAMINER'S OPINION: SUBJECT HAS INTERMITTENT GRAUDICATION 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC138 deleted - redundant, use most current soe file FC139 LIFETIME HISTORY OF GOUTY ARTHRITIS: EVER HAD GOUT 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC140 EXAMINERS' NUMBERS FC140 deleted - used for administrative purposes only FC141 BODY EXAMINATION: DEGREE OF OBESITY 0 = NONE1 = SLIGHT2 = MODERATE3 = MARKED9 = UNKNOWN FC142 EYE EXAMINATION: ARCUS SENILIS 0 = NO1 = YES, SLIGHT2 = YES, MODERATE 3 = YES, MARKED9 = UNKNOWN EYE EXAMINATION: XANTHELASMA FC143 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN

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FC144
                  BODY EXAMINATION: XANTHOMATA
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
                  THYROID EXAMINATION: SCAR
FC145
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE (NONE)
                     9 = UNKNOWN
FC146
                  THYROID EXAMINATION: SINGLE NODULE
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
FC147
                  THYROID EXAMINATION: MULTIPLE NODULES
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
FC148
                  THYROID EXAMINATION: DIFFUSE ENLARGEMENT
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
FC149
                  THYROID EXAMINATION: OTHER MANIFESTATION OF THYROID DISEASE
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
FC150
                  RESPIRATORY SYSTEM EXAMINATION: INCREASED ANTEROPOSTERIOR
                  DIAMETER
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
FC151
                  RESPIRATORY SYSTEM EXAMINATION: ABNORMAL BREATH SOUNDS
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
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FC152
                  RESPIRATORY SYSTEM EXAMINATION: RALES
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
FC153
                 HEART EXAMINATION: ABNORMAL SOUNDS
                     0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
FC154
                  HEART EXAMINATION: SYSTOLIC NURMERS HEARD MAXIMALLY AT APEX
                     0 = NO
                     1 = YES, GRADE 1
                     2 = YES, GRADE 2
                     3 = YES, GRADE 3
                     4 = YES, GRADE 4
                     5 = YES, GRADE 5
                     6 = YES, GRADE 6
                     9 = UNKNOWN
FC155
                 HEART EXAMINATION: SYSTOLIC MURMURS HEARD MAXIMALLY AT
                  MIDPRECORDIUM
                     0 = NO
                     1 = YES, GRADE 1
                     2 = YES, GRADE 2
                     3 = YES, GRADE 3
                     4 = YES, GRADE 4
                     5 = YES, GRADE 5
                     6 = YES, GRADE 6 (NONE)
                     9 = UNKNOWN
FC156
                  HEART EXAMINATION: SYSTOLIC MURMURS HEARD MAXIMALLY AT LEFT
                  BASE
                    0 = NO
                     1 = YES, GRADE 1
                     2 = YES, GRADE 2
                     3 = YES, GRADE 3
                     4 = YES, GRADE 4
                     5 = YES, GRADE 5
                     6 = YES, GRADE 6 (NONE)
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FC157
                 HEART EXAMINATION: SYSTOLIC MURMURS HEARD MAXIMALLY AT RIGHT
                 BASE
                    0 = NO
                    1 = YES, GRADE 1
                    2 = YES, GRADE 2
                    3 = YES, GRADE 3
                     4 = YES, GRADE 4
                     5 = YES, GRADE 5
                     6 = YES, GRADE 6 (NONE)
                     9 = UNKNOWN
FC158
                 HEART EXAMINATION: ANY MURMUR SIGNIFICANT
                    0 = NO
                     1 = YES, DEFINITE
                     2 = YES, MAYBE
                     9 = UNKNOWN
FC159
                 HEART EXAMINATION: VALVE ORIGIN OF SIGNIFICANT SYSTOLIC
                 MURMURS
                    0 = NO SIGNIFICANT MURMUR
                    1 = MITRAL
                     2 = AORTIC
                     3 = BOTH
                     4 = OTHER
                     9 = UNKNOWN
FC160
                HEART EXAMINATION: DIASTOLIC MURMURS
                    0 = NONE
                    1 = MITRAL
                    2 = AORTIC
                    3 = BOTH
                    4 = OTHER (NONE)
                     9 = UNKNOWN
FC161
                 NECK EXAMINATION: DISTENDED NECK VEINS (SEMIRECUMBENT)
                    0 = NO
                    1 = YES, DEFINITE
                    2 = YES, MAYBE
                     9 = UNKNOWN
FC162
                 BREAST EXAMINATION: ABNORMAL
                    0 = NO
                    1 = YES
                     9 = UNKNOWN
FC163
                 BREAST EXAMINATION: SCAR PRESENT
                    0 = NO
                    1 = MASTECTOMY, RADICAL
                    2 = MASTECTOMY, SIMPLE
                    3 = OTHER
                    9 = UNKNOWN
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FC164 BREAST EXAMINATION: LOCALIZED MASS 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC165 BREAST EXAMINATION: AXILLARY NODES 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE (NONE)9 = UNKNOWNFC166 ABDOMEN EXAMINATION: LIVER ENLARGED 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC167 ABDOMEN EXAMINATION: OTHER ABDOMINAL ABNORMALITY 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC168 PERIPHERAL VESSEL EXAMINATION: LEFT ANKLE EDEMA 0 = NO1 = YES, GRADE 12 = YES, GRADE 23 = YES, GRADE 34 = YES, GRADE 49 = UNKNOWN PERIPHERAL VESSEL EXAMINATION: RIGHT ANKLE EDEMA FC169 0 = NO1 = YES, GRADE 12 = YES, GRADE 23 = YES, GRADE 34 = YES, GRADE 49 = UNKNOWN FC170 PERIPHERAL VESSEL EXAMINATION: VISIBLE VARICOSITIES, LEFT 0 = NO1 = YES, GRADE 12 = YES, GRADE 23 = YES, GRADE 39 = UNKNOWN

FC171 PERIPHERAL VESSEL EXAMINATION: VISIBLE VARICOSITIES, RIGHT 0 = NO1 = YES, GRADE 12 = YES, GRADE 23 = YES, GRADE 39 = UNKNOWN PERIPHERAL VESSEL EXAMINATION: AMPUTATION FC172 0 = NO1 = YES9 = UNKNOWN FC172 deleted - to preserve confidentiality FC173 PERIPHERAL VESSEL EXAMINATION: TEMPERATURE DIFFERENCE IN FEET 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC174 PERIPHERAL VESSEL EXAMINATION: ABSENT OR FEEBLE PERIPHERAL PULSES 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC175 PERIPHERAL VESSEL EXAMINATION: ABSENT OR FEEBLE PERIPHERAL PULSES, DORSAL PEDIS 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC176 PERIPHERAL VESSEL EXAMINATION: ABSENT OR FEEBLE PERIPHERAL PULSES, POSTERIOR TIBIAL 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN PERIPHERAL VESSEL EXAMINATION: ABSENT OR FEEBLE PERIPHERAL FC177 PULSES, FEMORAL 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN

FC178 PERIPHERAL VESSEL EXAMINATION: ABSENT OR FEEBLE PERIPHERAL PULSES, RADIAL 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE (NONE)9 = UNKNOWN PERIPHERAL VESSEL EXAMINATION: VASCULAR BRUITS IMMEDIATELY FC179 AFTER EXERCISE 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC180 PERIPHERAL VESSEL EXAMINATION: WAS PATIENT EXERCISED BEFORE BRUITS WERE LISTENED FOR? COL 54 0 = NO1 = YES9 = UNKNOWN FC181 PERIPHERAL VESSEL EXAMINATION: RATSCHOW'S POSTURAL CHANGE TEST 0 = NOT DONE1 = POSITIVE2 = NEGATIVE3 = DOUBTFUL9 = UNKNOWN FC182 FIRST EXAMINER'S OPINION: ARTERIAL PERIPHERAL VASCULAR DISEASE 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC183 FIRST EXAMINER'S OPINION: CHRONIC VENOUS INSUFFICIENCY OR VARICOSE VEINS 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC184 SECOND EXAMINER'S OPINION: ARTERIAL PERIPHERAL VASCULAR DISEASE 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN

FC185 SECOND EXAMINER'S OPINION: CHRONIC VENOUS INSUFFICIENCY OR VARICOSE VEINS 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN NEUROLOGICAL EXAMINATION: ANY NEUROLOGICAL FINDINGS FC186 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC187 EXAMINER'S OPINION: SUBJECT HAS RESIDUAL CEREBROVASCULAR ACCIDENT 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC187 deleted - redundant, use most current soe file FC188 LUNG FUNCTION: TOTAL VITAL CAPACITY 4-59 KNOWN, IN DECILITERS 99 = UNKNOWN FC188 deleted - data is known to be unreliable FC189 LUNG FUNCTION: FIRST SECOND VOLUME 10-480 KNOWN, IN CENTILITERS 999 = UNKNOWNFC189 deleted - data is known to be unreliable FC190 ECG: VENTRICULAR RATE 35-175 KNOWN, PER MINUTE 999 = UNKNOWN FC191 ECG: P-R INTERVAL 10-44 KNOWN, IN HUNDREDTHS OF SECONDS 99 = ATRIAL FIBRILLATION 999 = INDETERMINATE 9999 = ECG NOT TAKEN

4-18 KNOWN, IN HUNDREDTHS OF SECOND

ECG: QRS INTERVAL

99 = UNKNOWN

FC193 ECG: MYOCARDIAL INFARCTION 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC194 ECG: LEFT VENTRICULAR HYPERTROPHY 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN ECG: NONSPECIFIC T-WAVE ABNORMALITY FC195 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC196 ECG: NONSPECIFIC ST-SEGMENT ABNORMALITY 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN ECG: INTRAVENTRICULAR BLOCK FC197 0 = NO1 = YES, LEFT2 = YES, RIGHT3 = YES, INDETERMINATE 4 = YES, OTHER5 = WPW SYNDROME 9 = UNKNOWN FC198 ECG: ATRIOVENTRICULAR BLOCK 0 = NO1 = YES, DEGREE 12 = YES, DEGREE 23 = YES, DEGREE 39 = UNKNOWN ECG: PREMATURE BEATS FC199 0 = NO1 = YES, ATRIAL2 = YES, VENTRICULAR 3 = YES, NODAL 4 = YES, COMBINED9 = UNKNOWN

FC200 ECG: ATRIAL FIBRILLATION 0 = NO1 = YES9 = UNKNOWN FC201 ECG: ATRIAL FLUTTER 0 = NO1 = YES (NONE) 9 = UNKNOWN FC202 ECG: OTHER ARRHYTHMIA 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC203 ECG: OTHER ABNORMALITY 0 = NO1 = YES, DIGITALIS EFFECT 2 = YES, OTHER9 = UNKNOWN FC204 ECG: ABNORMALITY PRESENT 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC205 ECG: TAKING DIGITALIS OR QUINIDINE 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN FC206 ECG: CLINICAL READING 0 = NORMAL1 = ABNORMAL 2 = DOUBTFUL9 = UNKNOWNFC207 OSCILLOGRAPH: ABNORMAL PULSES 0 = NONE1 = ONE2 = TWO

> 3 = THREE 4 = FOUR 9 = UNKNOWN

FC207 deleted - data is known to be unreliable

CLINICAL DIAGNOSTIC IMPRESSION: HYPERTENSIVE STATUS 0 = NORMAL1 = DEFINITE2 = BORDERLINEFC208 deleted - definition has changed over time FC209 CLINICAL DIAGNOSTIC IMPRESSION: UNDER TREATMENT FOR HYPERTENSION 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWN CLINICAL DIAGNOSTIC IMPRESSION: HYPERTENSIVE HEART DISEASE FC210 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC210 deleted - definition has changed over time FC211 CLINICAL DIAGNOSTIC IMPRESSION: DIAGNOSIS OF HYPER-TENSIVE HEART DISEASE IS OUTSIDE OF CRITERIA 0 = NO1 = YESFC211 deleted - definition has changed over time FC212 CLINICAL DIAGNOSTIC IMPRESSION: ANGINA PECTORIS 0 = NO1 = YES, NEW2 = YES, OLD3 = YES, RECURRENCE 4 = YES, MAYBEFC212 deleted - redundant, use most current soe file FC213 CLINICAL DIAGNOSTIC IMPRESSION: CORONARY IN EFFICIENCY 0 = NO1 = YES, NEW2 = YES, OLD3 = YES, RECURRENCE 4 = YES, MAYBEFC213 deleted - redundant, use most current soe file FC214 CLINICAL DIAGNOSTIC IMPRESSION: MYOCARDIAL INFARCTION 0 = NO1 = YES, NEW2 = YES, OLD3 = YES, RECURRENCE 4 = YES, MAYBEFC214 deleted - redundant, use most current soe file

FC215	CLINICAL DIAGNOSTIC IMPRESSION: AORTIC VALVE DISEASE  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE
FC216	CLINICAL DIAGNOSTIC IMPRESSION: MITRAL VALVE DISEASE  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE
FC217	CLINICAL DIAGNOSTIC IMPRESSION: OTHER RHEUMATIC HEART DISEASE  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE
FC218	CLINICAL DIAGNOSTIC IMPRESSION: OTHER VALVULAR DISEASE  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE
FC219	CLINICAL DIAGNOSTIC IMPRESSION: CONGENITAL HEART DISEASE  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE
FC220	CLINICAL DIAGNOSTIC IMPRESSION: OTHER HEART DISEASE  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE
FC221	CLINICAL DIAGNOSTIC IMPRESSION: CONGESTIVE HEART FAILURE  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE  FC221 deleted - redundant, use most current soe file
FC222	CLINICAL DIAGNOSTIC IMPRESSION: ARRHYTHMIA  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE
FC223	CLINICAL DIAGNOSTIC IMPRESSION: FUNCTIONAL CLASS  0 = NO HEART DISEASE  1 = CLASS 1  2 = CLASS 2  3 = CLASS 3  4 = CLASS 4 (NONE)  9 = UNKNOWN

FC224	CLINICAL DIAGNOSTIC IMPRESSION: ATHEROSCLEROTIC OCCLUSIVE PERIPHERAL VASCULAR DISEASE WITH INTERMITTENT CLAUDICATION  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE  FC224 deleted - redundant, use most current soe file
FC225	CLINICAL DIAGNOSTIC IMPRESSION: ATHEROSCLEROTIC OCCLUSIVE PERIPHERAL VASCULAR DISEASE WITH OTHER MANIFESTATION  0 = NO  1 = YES, DEFINITE 2 = YES, MAYBE 9 = UNKNOWN
FC226	CLINICAL DIAGNOSTIC IMPRESSION: VARICOSE VEINS  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE  9 = UNKNOWN
FC227	CLINICAL DIAGNOSTIC IMPRESSION: RAYNAUD'S PHENOMENON  0 = NO  1 = YES, DEFINITE  2 = YES, MAYBE  9 = UNKNOWN
FC228	CLINICAL DIAGNOSTIC IMPRESSION: ATHEROSCLEROTIC INFARCTION OF BRAIN  0 = NO 1 = YES, NEW 2 = YES, OLD 3 = YES, RECURRENCE 4 = YES, MAYBE  FC228 deleted - redundant, use most current soe file
FC229	CLINICAL DIAGNOSTIC IMPRESSION: EMBOLIC INFARCTION OF BRAIN  0 = NO  1 = YES, NEW  2 = YES, OLD  3 = YES, RECURRENCE  4 = YES, MAYBE  FC229 deleted - redundant, use most current soe file
FC230	CLINICAL DIAGNOSTIC IMPRESSION: HEMORRHAGE INTO BRAIN  0 = NO  1 = YES, NEW (NONE)  2 = YES, OLD  3 = YES, RECURRENCE (NONE)  4 = YES, MAYBE (NONE)  FC230 deleted - redundant, use most current soe file

FC231 CLINICAL DIAGNOSTIC IMPRESSION: SUBARACHNOID HEMORRHAGE 0 = NO1 = YES, NEW2 = YES, OLD3 = YES, RECURRENCE 4 = YES, MAYBE (NONE)FC231 deleted - redundant, use most current soe file FC232 CLINICAL DIAGNOSTIC IMPRESSION: TRANSIENT ISCHEMIC ATTACKS 0 = NO1 = YES, NEW2 = YES, OLD3 = YES, RECURRENCE (NONE) 4 = YES, MAYBE9 = UNKNOWN FC232 deleted - redundant, use most current soe file FC233 CLINICAL DIAGNOSTIC IMPRESSION: OTHER VASCULAR DIAGNOSIS 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC234 CLINICAL DIAGNOSTIC IMPRESSION: DIABETES MELLITUS 0 = NO1 = YES, DEFINITE 2 = YES, MAYBE9 = UNKNOWNFC234 deleted - redundant, use most current diabetes file FC235 CLINICAL DIAGNOSTIC IMPRESSION: URINARY TRACT DISEASE 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN CLINICAL DIAGNOSTIC IMPRESSION: PULMONARY DISEASE FC236 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN FC237 CLINICAL DIAGNOSTIC IMPRESSION: GOUTY ARTHRITIS 0 = NO1 = YES, DEFINITE2 = YES, MAYBE9 = UNKNOWN

CLINICAL DIAGNOSTIC IMPRESSION: OTHER NONCARDIO-VASCULAR DIAGNOSES

0 = NO

1 = YES, DEFINITE

2 = YES, MAYBE