

**CODEBOOK FOR CSSCD FORM 98  
CARDIAC EVALUATION (PART I)**

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R98.SD2

DATA FROM CSSCD FORM 98 - CARDIAC EVALUATION - PART I  
(HISTORY AND PHYSICAL EXAM)

VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION  
IN THE SAS DATASET AND ON FORM 98

10:18 Tuesday, October 24, 2000

The SAS System 13:42 Thursday, November 9, 2006 1

The CONTENTS Procedure

Data Set Name	OUT1.R98	Observations	386
Member Type	DATA	Variables	157
Engine	V9	Indexes	0
Created	14:44 Monday, November 6, 2006	Observation Length	1256
Last Modified	14:44 Monday, November 6, 2006	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	31
First Data Page	2
Max Obs per Page	13
Obs in First Data Page	10
Number of Data Set Repairs	0
File Name	r98.sas7bdat
Release Created	9.0000M0
Host Created	XP_PRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
31	F98AHD	Num	8	HISTORY OF ACQUIRED HEART DISEASE
33	F98AHDC	Num	8	AQUIRED HEART PROBLEMS CONFIRMED
32	F98AHDD	Num	8	DATE OF ACQUIRED HEART PROBLEMS
34	F98AHD	Num	8	TYPE OF ACQUIRED HEART DISEASE
23	F98AHR	Num	8	HISTORY OF ABNORMAL HEART RHYTHM
25	F98AHR	Num	8	ABNORMAL HEART RHYTHM CONFIRMED
24	F98AHRD	Num	8	DATE OF ABNORMAL HEART RHYTHM
26	F98AHRMD	Num	8	MEDICATIONS FOR ABNORMAL HEART RHYTHM
27	F98AHR	Num	8	TYPE OF ABNORMAL HEART RHYTHM
97	F98BIKE	Num	8	BICYCLING
99	F98BIKEF	Num	8	FREQUENCY OF BICYCLING
98	F98BIKEM	Num	8	MILES BIKED
108	F98BP1D4	Num	8	DIASTOLIC B.P. 4TH PHASE, 1ST READING
109	F98BP1D5	Num	8	DIASTOLIC B.P. 5TH PHASE, 1ST READING
107	F98BP1S	Num	8	SYSTOLIC BLOOD PRESSURE 1ST READING
111	F98BP2D4	Num	8	DIASTOLIC B.P. 4TH PHASE, 2ND READING

SECTION 6.9.1 CARDIAC EVALUATION (PART I)

FORM 98

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112	F98BP2D5	Num	8	DIASTOLIC B.P. 5TH PHASE, 2ND READING
110	F98BP2S	Num	8	SYSTOLIC BLOOD PRESSURE, 2ND READING
151	F98BPULS	Num	8	BRACHIAL OR RADIAL PULSES
29	F98CAS	Num	8	HISTORY OF CORONARY ARTERY SURGERY
30	F98CASC	Num	8	CORONARY ARTERY SURGERY CONFIRMED
58	F98CDB	Num	8	WAS CHEST PAIN WORSE WITH DEEP BREATH
9	F98CHD	Num	8	HISTORY OF CONGENITAL HEART DISEASE
10	F98CHDC	Num	8	CONGENITAL HEART DISEASE CONFIRMED
11	F98CHDT	Num	8	TYPE OF CONGENITAL HEART DISEASE
55	F98CHILL	Num	8	CHEST PAIN WALKING UP HILL OR HURRYING

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Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
66	F98COTH	Num	8	OTHER SITES OF PAIN
53	F98CPAIN	Num	8	CHEST PAIN
54	F98CPRES	Num	8	PRESSURE IN CHEST
152	F98CPULS	Num	8	CAROTID PULSES
57	F98CRLF	Num	8	WHAT DID YOU DO WHEN PAIN OCCURRED
60	F98CRLF	Num	8	HOW SOON WAS CHEST PAIN RELIEVED
59	F98CSS	Num	8	CHEST PAIN WHEN STANDING STILL
56	F98CWALK	Num	8	CHEST PAIN WALKNG ON LEVEL
2	F98CYCLE	Num	8	CYCLE
36	F98DIG	Num	8	EVER TAKEN DIGITALIS
37	F98DIGM	Num	8	MONTHS DIGITALIS TAKEN
40	F98DIU	Num	8	EVER TAKEN DIURETICS
41	F98DIUM	Num	8	MONTHS DIURETICS TAKEN
73	F98DIZE	Num	8	DIZZINESS OR BLURRED VISION ON EXERTION
72	F98DIZR	Num	8	DIZZINESS OR BLURRED VISION AT REST
84	F98DRNK	Num	8	DRINK ALCOHOL
85	F98DRNKN	Num	8	NUMBER OF DRINKS PER DAY
77	F98EDEMA	Num	8	SWELLING
3	F98EVENT	Num	8	EVENT WITHIN 2 WEEKS
4	F98EVNT1	Num	8	EVENT 1
5	F98EVNT2	Num	8	EVENT 2
120	F98EXAGP	Num	8	EXAGGERATED P2
74	F98FAINT	Num	8	FAINTING
87	F98GYM	Num	8	TAKING GYM CLASSES
18	F98HIBP	Num	8	HISTORY OF HIGH BLOOD PRESSURE
20	F98HIBPC	Num	8	HIGH BLOOD PRESSURE CONFIRMED
19	F98HIBPD	Num	8	DATE OF HIGH BLOOD PRESSURE
105	F98HR	Num	8	HEART RATE
113	F98HRTSZ	Num	8	HEART SIZE
91	F98JOG	Num	8	JOGGING
93	F98JOGF	Num	8	FREQUENCY OF JOGGING
92	F98JOGM	Num	8	MILES JOGGED
65	F98LOCDF	Num	8	DIFFUSE LOCATION
64	F98LOCEP	Num	8	EPIGASTRIC LOCATION
62	F98LOCPR	Num	8	PRECORDIAL LOCATION
61	F98LOCSB	Num	8	SUBSTERNAL LOCATION
63	F98LOCSH	Num	8	SHOULDER LOCATION
115	F98LVI	Num	8	LEFT VENTRICULAR IMPULSE
21	F98MI	Num	8	HISTORY OF MYOCARDIAL INFARCTION
22	F98MIC	Num	8	HEART ATTACK CONFIRMED
125	F98MURM	Num	8	HEART MURMUR TYPE
124	F98MURMP	Num	8	HEART MURMUR PRESENT
38	F98NIT	Num	8	EVER TAKEN NITROGLYCERIN
39	F98NITM	Num	8	MONTHS NITROGLYCERIN TAKEN
155	F98NOET	Num	8	EXERCISE TESTING CONTRAINDICATED
35	F98OAHDC	Num	8	OTHER ACQUIRED HEART DISEASE
28	F98OAHRC	Num	8	OTHER ABNORMAL HEART RHYTHM ICDA

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12	F980CHDC	Num	8	OTHER CONGENITAL HEART DISEASE ICDA
100	F980PEX	Num	8	OTHER PHYSICAL EXERCISE
101	F980PEXF	Num	8	FREQUENCY OF OTHER PHYSICAL EXERCISE
48	F980THM	Num	8	EVER TAKEN OTHER MEDICATION
50	F980THMC	Num	8	CODE FOR OTHER MEDICATION

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Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
49	F98OTHMM	Num	8	MONTHS OTHER MEDICATION TAKEN
75	F98PALP	Num	8	PALPITATIONS
132	F98PAN	Num	8	PANSYSTOLIC MURMUR
137	F98PANAP	Num	8	RADIATION OF APEX PANSYSTOLIC MURMUR
133	F98PANG	Num	8	GRADE OF PANSYSTOLIC MURMUR
135	F98PANLB	Num	8	RADIATION OF LB PANSYSTOLIC MURMUR
134	F98PANRB	Num	8	RADIATION OF RB PANSYSTOLIC MURMUR
136	F98PANSB	Num	8	RADIATION OF LSB PANSYSTOLIC MURMUR
153	F98PEDEM	Num	8	PERIPHERAL EDEMA
51	F98PILL	Num	8	EVER TAKEN BIRTH CONTROL PILLS
52	F98PILLM	Num	8	MONTHS BIRTH CONTROL PILLS TAKEN
154	F98PPERF	Num	8	PERIPHERAL PERFUSION
46	F98PROC	Num	8	EVER TAKEN PROCAINAMIDE
47	F98PROC M	Num	8	MONTHS PROCAINAMIDE TAKEN
42	F98PROP	Num	8	EVER TAKEN PROPRANOLOL
43	F98PROPM	Num	8	MONTHS PROPRANOLOL TAKEN
44	F98QUI	Num	8	EVER TAKEN QUINIDINE
45	F98QUIM	Num	8	MONTHS QUINIDINE TAKEN
144	F98REG	Num	8	DIASTOLIC REGURGITANT MURMUR
149	F98REGAP	Num	8	RADIATION - APEX DIAST. REGURG. MURMUR
145	F98REGG	Num	8	GRADE OF DIASTOLIC REGURGITANT MURMUR
147	F98REGLB	Num	8	RADIATION - LB DIASTOLIC REGURG. MURMUR
146	F98REGRB	Num	8	RADIATION - RB DIASTOLIC REGURG. MURMUR
148	F98REGSB	Num	8	RADIATION - LSB DIASTOLIC REGURG. MURMUR
106	F98RESP	Num	8	RESPIRATION RATE
13	F98RF	Num	8	HISTORY OF RHEUMATIC FEVER
15	F98RFC	Num	8	RHEUMATIC FEVER CONFIRMED
16	F98RFCAR	Num	8	HISTORY OF RHEUMATIC FEVER WITH CARDITIS
14	F98RFD	Num	8	DATE OF RHEUMATIC FEVER
17	F98RFVAL	Num	8	HISTORY OF VALVULAR LESION
117	F98RHY	Num	8	RHYTHM
118	F98RHYC	Num	8	ICDA CODE FOR ECG RHYTHM DIAGNOSIS
150	F98RUB	Num	8	PERICARDIAL RUB
138	F98RUM	Num	8	DIASTOLIC RUMBLE
143	F98RUMAP	Num	8	RADIATION OF APEX DIASTOLIC RUMBLE
139	F98RUMG	Num	8	GRADE OF DIASTOLIC RUMBLE
141	F98RUMLB	Num	8	RADIATION OF LB DIASTOLIC RUMBLE
140	F98RUMRB	Num	8	RADIATION OF RB DIASTOLIC RUMBLE
142	F98RUMSB	Num	8	RADIATION OF LSB DIASTOLIC RUMBLE
114	F98RVI	Num	8	RIGHT VENTRICULAR IMPULSE
121	F98S3GAL	Num	8	S3 GALLOP
122	F98S4GAL	Num	8	S4 GALLOP
86	F98SCHL	Num	8	CURRENTLY ATTENDING SCHOOL
126	F98SEM	Num	8	SYSTOLIC EJECTION MURMUR
131	F98SEM A P	Num	8	SEM APICAL RADIATION
127	F98SEMG	Num	8	GRADE OF SYSTOLIC EJECTION MURMUR
129	F98SEM LB	Num	8	SEM LB RADIATION

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128	F98SEMRB	Num	8	SEM RB RADIATION
130	F98SEMSB	Num	8	SEM LSB RADIATION
123	F98SMGAL	Num	8	SUMMATION GALLOP
78	F98SMKC	Num	8	EVER SMOKED CIGARETTES
79	F98SMKCN	Num	8	HOW MANY CIGARETTES PER DAY

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Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
80	F98SMKG	Num	8	EVER SMOKED CIGARS
81	F98SMKGN	Num	8	HOW MANY CIGARS PER DAY
82	F98SMKP	Num	8	EVER SMOKED A PIPE
83	F98SMKPN	Num	8	HOW MAY PIPEFULS PER DAY
71	F98SOBE	Num	8	SHORTNESS OF BREATH ON EXERTION
70	F98SOBR	Num	8	SHORTNESS OF BREATH AT REST
119	F98SPLIT	Num	8	SPLIT S2
8	F98SRCE	Num	8	SOURCE OF INFORMATION
102	F98STAIR	Num	8	FLIGHTS OF STAIRS WITHOUT STOPPING
67	F98STE1	Num	8	SITE 1 PAIN
68	F98STE2	Num	8	SITE 2 PAIN
69	F98STE3	Num	8	SITE 3 PAIN
94	F98SWIM	Num	8	SWIMMING
96	F98SWIMF	Num	8	FREQUENCY OF SWIMMING
95	F98SWIMM	Num	8	MILES SWUM
103	F98TEMP	Num	8	TEMPERATURE
104	F98TEMPH	Num	8	HOW TEMPERATURE TAKEN
116	F98THRIL	Num	8	THRILL
76	F98TIRED	Num	8	EASY FATIGUABILITY
6	F98TXD2W	Num	8	TRANSFUSED IN LAST 2 WEEKS
7	F98TXD4M	Num	8	TRANSFUSED WITHIN LAST 4 MONTHS
88	F98WALK	Num	8	WALKING
90	F98WALKF	Num	8	FREQUENCY OF WALKING
89	F98WALKM	Num	8	MILES WALKED
156	JF98DATE	Num	8	DATE OF VISIT - RECODE DAYS SINCE DOE
157	JF98TXDD	Num	8	DATE OF LAST TRANSFUSION - RECODE DAYS S

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```
*****
*****
* R98.FMT contains value labels for numerical codes assigned to
categorical *
* variables in the SAS dataset R98.SD2
*
*****
*****;
```

```
* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD    10/25/99 14:49:58;
```

```
PROC FORMAT;
```

```
*  FORMAT NO_YES IS DEFINED FOR VARIABLES: F98EVENT F98TXD2W F98TXD4M
                                           F98CHD   F98SCHL   F98GYM
F98WALK
                                           F98JOG   F98SWIM   F98BIKE
F98OPEX
                                           F98EXAGP F98S3GAL F98S4GAL
F98SMGAL
                                           F98SEM   F98PAN   F98RUM
F98REG
                                           F98RUB   F98PEDEM;
```

```
VALUE NO_YES
  1          = 'NO'
  2          = 'YES' ;
```

```
VALUE F98SRCE
  1          = 'PATIENT'
  2          = 'PARENT-GUARDIAN'
  4          = 'OTHER RELATIVE'
  8          = 'OTHER NON-RELATIVE'
 16         = 'RECORDS ONLY' ;
```

```
*  FORMAT NY_UNAV IS DEFINED FOR VARIABLES: F98CHDC F98RFC F98HIBPC
                                           F98MIC  F98AHR F98AHRC
                                           F98CASC F98AHDC;
```

```
VALUE NY_UNAV
  1          = 'NO'
  2          = 'YES'
  3          = 'UNAVAILABLE' ;
```

```
VALUE F98CHDT
  1          = 'VENTRICULAR SEPTAL DEFECT'
  2          = 'ATRIAL SEPTAL DEFECT'
  4          = 'PATENT DUCTUS ARTERIOSUS'
```



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8	= 'COARCTATION OF AORTA'
16	= 'CYANOTIC HEART'
32	= 'OTHER'
64	= 'TYPE UNAVAILABLE FROM RECORDS';

\* FORMAT NY\_DK IS DEFINED FOR VARIABLES: F98RF F98RFCAR F98RFVAL  
R98HIBP F98CAS F98AHD F98CPAIN  
F98CPRES F98CHILL F98CWALK F98CDB  
F98COTH F98SOBR F98SOBE F98DIZR  
F98DIZE F98FAINT F98PALP F98TIRED  
F98EDEMA;

VALUE NY\_DK

1	= 'NO'
2	= 'DK'
3	= 'YES';

VALUE F98MI

1	= 'NO'
2	= 'DK'
3	= 'YES, ONCE ONLY'
4	= 'YES, MORE THAN ONCE';

VALUE F98AHRMD

1	= 'NO'
2	= 'DK'
3	= 'YES, CURRENTLY TAKING'
4	= 'YES, NOT CURRENTLY BUT TOOK IN PAST';

VALUE F98AHRT

1	= 'PREMATURE VENTRICULAR CONTRACTION'
2	= 'PREMATURE ATRIAL CONTRACTION'
4	= 'SUPRAVENTRICULAR TACHYCARDIA'
8	= 'VENTRICULAR TACHYCARDIA'
16	= 'OTHER'
32	= 'TYPE UNAVAILABLE FROM RECORDS';

VALUE F98AHDT

1	= 'PERICARDITIS'
2	= 'MYOCARDITIS'
4	= 'INFECTIOUS ENDOCARDITIS'
8	= 'VALVULAR HEART DISEASE'
16	= 'CARDIOMYOPATHY'
32	= 'OTHER'
64	= 'TYPE UNAVAILABLE FROM RECORDS';

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\* FORMAT NDK\_2Y IS DEFINED FOR VARIABLES: F98DIG F98NIT F98DIU  
F98PROP

F98QUI F98PROC F98OTHM;

VALUE NDK\_2Y

1	= 'NO'
2	= 'DK'
3	= 'YES NOW'
4	= 'YES PREVIOUSLY';

VALUE F98PILL

1	= 'NO'
2	= 'DK'
3	= 'YES NOW'
4	= 'YES PREVIOUSLY'
5	= 'NA';

VALUE F98CRLF

1	= 'STOP OR SLOW DOWN'
2	= 'TAKE NITROGLYCERIN'
3	= 'KEEP SAME PACE';

VALUE F98CSS

1	= 'RELIEVED'
2	= 'NOT RELIEVED';

VALUE F98CRLF

1	= '10 MINUTES OR LESS'
2	= 'MORE THAN 10 MINUTES';

\* FORMAT NY\_RAD IS DEFINED FOR VARIABLES: F98LOCSB F98LOCPR F98LOCSH  
F98LOCEP F98LOCDF;

VALUE NY\_RAD

1	= 'NO'
2	= 'YES, WITHOUT RADIATION TO ARM'
3	= 'YES WITH RADIATION TO ARM';

VALUE F98SMKC

1	= 'NO'
2	= 'DK'
3	= 'YES, NOT NOW BUT IN PAST'
4	= 'YES NOW';

VALUE F98DRNK

1	= 'NO'
2	= 'DK'

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3	= 'YES LESS THAN ONCE A WEEK'
4	= 'YES 1-2 TIMES A WEEK'
5	= 'YES 3-4 TIMES A WEEK'
6	= 'YES NEARLY EVERY DAY'
7	= 'EVERY DAY';

\* FORMAT FREQN IS DEFINED FOR VARIABLES: F98WALKF F98JOGF F98SWIMF  
F98BIKEF F98OPEXF;

VALUE FREQN

1	= 'DAILY'
2	= 'WEEKLY';

VALUE F98TEMPH

1	= 'ORAL'
2	= 'RECTAL';

VALUE F98HRSTS

1	= 'NORMAL'
2	= 'ENLARGED';

\* FORMAT ABNORM IS DEFINED FOR VARIABLES: F98RVI F98LVI F98RHY  
F98PPERF;

VALUE ABNORM

1	= 'NORMAL'
2	= 'ABNORMAL';

VALUE F98THRIL

1	= 'CAROTID'
2	= 'RIGHT BASE'
4	= 'LEFT BASE'
8	= 'LSB'
16	= 'APEX'
32	= 'NO THRILL'
33	= 'INCOMPLETE';

VALUE F98SPLIT

1	= 'PHYSIOLOGIC'
2	= 'PARADOXIC'
3	= 'FIXED';

VALUE F98MURMP

1	= 'ABSENT'
2	= 'PRESENT';

VALUE F98MURM

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1	=	'FUNCTIONAL'
2	=	'FLOW'
4	=	'ACQUIRED VALVULAR'
8	=	'CONGENITAL DEFECT';

\* FORMAT MRAD IS DEFINED FOR VARIABLES: F98SEMRB F98SEMLB F98SEMSB  
F98SEMAP F98PANRB F98PANLB  
F98PANSB F98PANAP F98RUMRB  
F98RUMLB F98RUMSB F98RUMAP  
F98REGRB F98REGLB F98REGSB  
F98REGAP;

VALUE MRAD		
0	=	'NO MURMUR AT THIS SITE'
1	=	'RADIATION TO AXILLA'
2	=	'RADIATION TO NECK'
4	=	'RADIATION TO BACK'
8	=	'RADIATION TO OTHER SITE'
16	=	'NO RADIATION'
17	=	'INCOMPLETE';

\* FORMAT DECR IS DEFINED FOR VARIABLES: F98BPULS F98CPULS;

VALUE DECR		
1	=	'DECREASED'
2	=	'NORMAL'
3	=	'FULL'
4	=	'BOUNDING';

VALUE F98NOET		
1	=	'CARDIAC'
2	=	'PULMONARY'
4	=	'OTHER PHYSICAL HANDICAP'
8	=	'MENTAL HANDICAP'
16	=	'OTHER'
32	=	'NO'
33	=	'INCOMPLETE';

\* FORMAT MMDDYY8.  
F98EVENT F98TXD2W F98TXD4M F98CHD F98SCHL F98GYM  
F98WALK F98JOG F98SWIM F98BIKE F98OPEX F98EXAGP  
F98S3GAL F98S4GAL F98SMGAL F98SEM F98PAN F98RUM  
F98REG F98RUB F98PEDEM NO\_YES.  
F98SRCE F98SRCE.  
F98CHDC F98RFC F98HIBPC F98MIC F98AHR F98AHRC  
F98CASC F98AHDC NY\_UNAV.  
F98CHDT F98CHDT.  
F98RF F98RFCAR F98RFVAL F98HIBP F98CAS F98AHD  
F98CPAIN F98CPRES F98CHILL F98CWALK F98CDB F98COTH  
F98SOBR F98SOBE F98DIZR F98DIZE F98FAINT F98PALP  
F98TIRED F98EDEMA NY\_DK.

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F98MI F98MI.  
F98AHRMD F98AHRMD.  
F98AHRT F98AHRT.  
F98AHDT F98AHDT.  
F98DIG F98NIT F98DIU F98PROP F98QUI F98PROC  
F98OTHM NDK\_2Y.  
F98PILL F98PILL.  
F98CRLF F98CRLF.  
F98CSS F98CSS.  
F98CRLFV F98CRLFV.  
F98LOCSB F98LOCPR F98LOCSH F98LOCEP F98LOCDF NY\_RAD.  
F98SMKC F98SMKC.  
F98DRNK F98DRNK.  
F98WALKF F98JOGF F98SWIMF F98BIKEF F98OPEXF FREQN.  
F98TEMPH F98TEMPH.  
F98HRTSZ F98HRTSZ.  
F98RVI F98LVI F98RHY F98PPERF ABNORM.  
F98THRIL F98THRIL.  
F98SPLIT F98SPLIT.  
F98MURMP F98MURMP.  
F98MURM F98MURM.  
F98SEMRB F98SEMLB F98SEMSB F98SEMAP F98PANRB F98PANLB  
F98PANSB F98PANAP F98RUMRB F98RUMLB F98RUMSB F98RUMAP  
F98REGRB F98REGLB F98REGSB F98REGAP MRAD.  
F98BPULS F98CPULS DECR.  
F98NOET F98NOET.;

RUN;  
QUIT;

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F98VDATE ----- VERSION DATE **DELETED**

    type: numeric (int)  
    label: datelab

    range: [8102,8102]                    units: 1  
unique values: 1                    coded missing: 0 / 386

    tabulation: Freq.    Numeric    Label  
                  386        8102    03/08/82

F98EVENT ----- EVENT WITHIN 2 WEEKS

    type: numeric (float)  
    label: F98EVENT

    range: [1,2]                            units: 1  
unique values: 2                    coded missing: 4 / 386

    tabulation: Freq.    Numeric    Label  
                  365        1    NO  
                  17        2    YES

F98TXD2W ----- TRANSFUSED IN LAST 2 WEEKS

    type: numeric (float)  
    label: F98TXD2W

    range: [1,2]                            units: 1  
unique values: 2                    coded missing: 19 / 386

    tabulation: Freq.    Numeric    Label  
                  365        1    NO  
                  2        2    YES

F98TXD4M ----- TRANSFUSED WITHIN LAST 4 MONTHS

    type: numeric (float)  
    label: F98TXD4M

    range: [1,2]                            units: 1  
unique values: 2                    coded missing: 17 / 386

    tabulation: Freq.    Numeric    Label  
                  340        1    NO  
                  29        2    YES

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F98SRCE ----- SOURCE OF INFORMATION

type: numeric (float)

label: F98SRCE

range: [0,8] units: 1  
 unique values: 6 coded missing: 0 / 386

tabulation:	Freq.	Numeric	Label
	4	0	
	319	1	PATIENT
	48	2	PARENT-GUARDIAN
	11	3	
	3	4	OTHER RELATIVE
	1	8	OTHER NON-RELATIVE

F98CHD ----- HISTORY OF CONGENITAL HEART DISEASE

type: numeric (float)

label: F98CHD

range: [1,2] units: 1  
 unique values: 2 coded missing: 3 / 386

tabulation:	Freq.	Numeric	Label
	376	1	NO
	7	2	YES

F98CHDC ----- CONGENITAL HEART DISEASE CONFIRMED

type: numeric (float)

label: F98CHDC

range: [1,3] units: 1  
 unique values: 3 coded missing: 333 / 386

tabulation:	Freq.	Numeric	Label
	3	1	NO
	48	2	YES
	2	3	UNAVAILABLE

F98CHDT ----- TYPE OF CONGENITAL HEART DISEASE

type: numeric (float)

label: F98CHDT

range: [0,128] units: 1  
 unique values: 5 coded missing: 6 / 386

tabulation:	Freq.	Numeric	Label
	5	0	
	1	2	ATRIAL SEPTAL DEFECT
	1	31	
	1	32	OTHER
	372	128	

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F980CHDC ----- OTHER CONGENITAL HEART DISEASE ICDA

type: numeric (float)

range: [.,.]

units: .

unique values: 0

coded missing: 386 / 386

tabulation: Freq. Value

F98RF ----- HISTORY OF RHEUMATIC FEVER

type: numeric (float)

label: F98RF

range: [1,3]

units: 1

unique values: 3

coded missing: 2 / 386

tabulation:	Freq.	Numeric	Label
	360	1	NO
	7	2	DK
	17	3	YES

F98RFC ----- RHEUMATIC FEVER CONFIRMED

type: numeric (float)

label: F98RFC

range: [1,3]

units: 1

unique values: 3

coded missing: 333 / 386

tabulation:	Freq.	Numeric	Label
	1	1	NO
	42	2	YES
	10	3	UNAVAILABLE

F98RFCAR ----- HISTORY OF RHEUMATIC FEVER WITH CARDITIS

type: numeric (float)

label: F98RFCAR

range: [1,3]

units: 1

unique values: 3

coded missing: 368 / 386

tabulation:	Freq.	Numeric	Label
	3	1	NO
	13	2	DK
	2	3	YES



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F98RFVAL ----- HISTORY OF VALVULAR LESION

type: numeric (float)

label: F98RFVAL

range: [1,3]

units: 1

unique values: 3

coded missing: 373 / 386

tabulation:	Freq.	Numeric	Label
	3	1	NO
	9	2	DK
	1	3	YES

F98HIBP ----- HISTORY OF HIGH BLOOD PRESSURE

type: numeric (float)

label: F98HIBP

range: [1,3]

units: 1

unique values: 3

coded missing: 4 / 386

tabulation:	Freq.	Numeric	Label
	365	1	NO
	1	2	DK
	16	3	YES

F98HIBPC ----- HIGH BLOOD PRESSURE CONFIRMED

type: numeric (float)

label: F98HIBPC

range: [2,3]

units: 1

unique values: 2

coded missing: 341 / 386

tabulation:	Freq.	Numeric	Label
	41	2	YES
	4	3	UNAVAILABLE

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F98MI ----- HISTORY OF MYOCARDIAL INFARCTION

type: numeric (float)

label: F98MI

range: [1,3] units: 1  
unique values: 3 coded missing: 1 / 386

tabulation:	Freq.	Numeric	Label
	381	1	NO
	2	2	DK
	2	3	YES, ONCE ONLY

F98MIC ----- HEART ATTACK CONFIRMED

type: numeric (float)

label: F98MIC

range: [2,2] units: 1  
unique values: 1 coded missing: 344 / 386

tabulation:	Freq.	Numeric	Label
	42	2	YES

F98AHR ----- HISTORY OF ABNORMAL HEART RHYTHM

type: numeric (float)

label: F98AHR

range: [1,3] units: 1  
unique values: 3 coded missing: 9 / 386

tabulation:	Freq.	Numeric	Label
	272	1	NO
	7	2	YES
	98	3	UNAVAILABLE

F98AHRC ----- ABNORMAL HEART RHYTHM CONFIRMED

type: numeric (float)

label: F98AHRC

range: [1,3] units: 1  
unique values: 3 coded missing: 319 / 386

tabulation:	Freq.	Numeric	Label
	16	1	NO
	44	2	YES
	7	3	UNAVAILABLE

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F98AHRMD ----- MEDICATIONS FOR ABNORMAL HEART RHYTHM

type: numeric (float)  
label: F98AHRMD

range: [1,4] units: 1  
unique values: 3 coded missing: 263 / 386

tabulation:	Freq.	Numeric	Label
	108	1	NO
	11	3	YES, CURRENTLY TAKING
	4	4	YES, NOT CURRENTLY BUT TOOK IN PAST

F98AHRT ----- TYPE OF ABNORMAL HEART RHYTHM

type: numeric (float)  
label: F98AHRT

range: [0,32] units: 1  
unique values: 8 coded missing: 21 / 386

tabulation:	Freq.	Numeric	Label
	318	0	
	4	1	PREMATURE VENTRICULAR CONTRACTION
	1	3	
	2	4	SUPRAVENTRICULAR TACHYCARDIA
	1	8	VENTRICULAR TACHYCARDIA
	4	16	OTHER
	1	17	
	34	32	TYPE UNAVAILABLE FROM RECORDS

F980AHRM ----- OTHER ABNORMAL HEART RHYTHM ICDA

type: numeric (float)

range: [999.99,999.99] units: .01  
unique values: 1 coded missing: 385 / 386

tabulation:	Freq.	Value
	1	999.98999

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F98CAS ----- HISTORY OF CORONARY ARTERY SURGERY

type: numeric (float)  
label: F98CAS

range: [1,1] units: 1  
unique values: 1 coded missing: 6 / 386

tabulation:	Freq.	Numeric	Label
	380	1	NO

F98CASC ----- CORONARY ARTERY SURGERY CONFIRMED

type: numeric (float)  
label: F98CASC

range: [1,3] units: 1  
unique values: 3 coded missing: 339 / 386

tabulation:	Freq.	Numeric	Label
	1	1	NO
	45	2	YES
	1	3	UNAVAILABLE

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F98AHD ----- HISTORY OF ACQUIRED HEART DISEASE

type: numeric (float)  
label: F98AHD

range: [1,2] units: 1  
unique values: 2 coded missing: 1 / 386

tabulation:	Freq.	Numeric	Label
	370	1	NO
	15	2	DK

F98AHDC ----- ACQUIRED HEART PROBLEMS CONFIRMED

type: numeric (float)  
label: F98AHDC

range: [2,2] units: 1  
unique values: 1 coded missing: 347 / 386

tabulation:	Freq.	Numeric	Label
	39	2	YES

F98AHDT ----- TYPE OF ACQUIRED HEART DISEASE

type: numeric (float)  
label: F98AHDT

range: [0,128] units: 1  
unique values: 5 coded missing: 2 / 386

tabulation:	Freq.	Numeric	Label
	1	0	
	1	1	PERICARDITIS
	1	16	CARDIOMYOPATHY
	12	32	OTHER
	369	128	

F980AHDC ----- OTHER ACQUIRED HEART DISEASE

type: numeric (float)

range: [480,999.99] units: .01  
unique values: 3 coded missing: 383 / 386

tabulation:	Freq.	Value
	1	480
	1	746.89001
	1	999.98999

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F98DIG ----- EVER TAKEN DIGITALIS

type: numeric (float)  
label: F98DIG

range: [1,4] units: 1  
unique values: 3 coded missing: 13 / 386

tabulation:	Freq.	Numeric	Label
	360	1	NO
	11	3	YES NOW
	2	4	YES PREVIOUSLY

F98DIGM ----- MONTHS DIGITALIS TAKEN

type: numeric (float)

range: [0,312] units: 1  
unique values: 12 coded missing: 0 / 386

tabulation:	Freq.	Value
	375	0
	1	1
	1	2
	1	3
	1	4
	1	9
	1	24
	1	36
	1	48
	1	120
	1	240
	1	312

F98NIT ----- EVER TAKEN NITROGLYCERIN

type: numeric (float)  
label: F98NIT

range: [1,4] units: 1  
unique values: 3 coded missing: 16 / 386

tabulation:	Freq.	Numeric	Label
	365	1	NO
	2	3	YES NOW
	3	4	YES PREVIOUSLY

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F98NITM ----- MONTHS NITROGLYCERIN TAKEN

type: numeric (float)  
range: [0,6] units: 1  
unique values: 3 coded missing: 0 / 386

tabulation:	Freq.	Value
	383	0
	1	1
	2	6

F98DIU ----- EVER TAKEN DIURETICS

type: numeric (float)  
label: F98DIU  
range: [1,4] units: 1  
unique values: 3 coded missing: 15 / 386

tabulation:	Freq.	Numeric	Label
	360	1	NO
	9	3	YES NOW
	2	4	YES PREVIOUSLY

F98DIUM ----- MONTHS DIURETICS TAKEN

type: numeric (float)  
range: [0,960] units: 1  
unique values: 8 coded missing: 0 / 386

tabulation:	Freq.	Value
	377	0
	1	1
	1	2
	2	3
	2	4
	1	24
	1	36
	1	960

F98PROP ----- EVER TAKEN PROPRANOLOL

type: numeric (float)  
label: F98PROP  
range: [1,4] units: 1  
unique values: 4 coded missing: 16 / 386

tabulation:	Freq.	Numeric	Label
	366	1	NO
	1	2	DK
	1	3	YES NOW
	2	4	YES PREVIOUSLY

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F98PROPM ----- MONTHS PROPRANOLOL TAKEN

type: numeric (float)

range: [0,24] units: 1  
unique values: 4 coded missing: 0 / 386

tabulation: Freq. Value  
383 0  
1 6  
1 12  
1 24

F98QUI ----- EVER TAKEN QUINIDINE

type: numeric (float)

label: F98QUI

range: [1,1] units: 1  
unique values: 1 coded missing: 16 / 386

tabulation: Freq. Numeric Label  
370 1 NO

F98QUIM ----- MONTHS QUINIDINE TAKEN

type: numeric (float)

range: [0,0] units: 0  
unique values: 1 coded missing: 0 / 386

tabulation: Freq. Value  
386 0

F98PROC ----- EVER TAKEN PROCAINAMIDE

type: numeric (float)

label: F98PROC

range: [1,3] units: 1  
unique values: 2 coded missing: 17 / 386

tabulation: Freq. Numeric Label  
368 1 NO  
1 3 YES NOW

F98PROCM ----- MONTHS PROCAINAMIDE TAKEN

type: numeric (float)

range: [0,4] units: 1  
unique values: 2 coded missing: 0 / 386

tabulation: Freq. Value  
385 0  
1 4



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F980THM ----- EVER TAKEN OTHER MEDICATION

type: numeric (float)

label: F980THM

range: [1,4]

units: 1

unique values: 4

coded missing: 23 / 386

tabulation:	Freq.	Numeric	Label
	259	1	NO
	1	2	DK
	100	3	YES NOW
	3	4	YES PREVIOUSLY

F980THMM ----- MONTHS OTHER MEDICATION TAKEN

type: numeric (float)

range: [0,240]

units: 1

unique values: 21

coded missing: 0 / 386

tabulation:	Freq.	Value
	337	0
	1	1
	1	3
	4	6
	1	12
	4	24
	1	30
	2	36
	2	48
	1	60
	1	72
	3	84
	3	96
	3	108
	9	120
	1	144
	1	156
	5	180
	1	204
	2	216
	3	240

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F98OTHMC ----- CODE FOR OTHER MEDICATION

type: numeric (float)

range: [17,999] units: 1  
unique values: 7 coded missing: 281 / 386

tabulation:	Freq.	Value
	2	17
	1	19
	85	249
	1	292
	2	304
	3	998
	11	999

F98PILL ----- EVER TAKEN BIRTH CONTROL PILLS

type: numeric (float)  
label: F98PILL

range: [1,5] units: 1  
unique values: 4 coded missing: 6 / 386

tabulation:	Freq.	Numeric	Label
	131	1	NO
	23	3	YES NOW
	47	4	YES PREVIOUSLY
	179	5	NA

F98PILLM ----- MONTHS BIRTH CONTROL PILLS TAKEN

type: numeric (float)

range: [0,96] units: 1  
unique values: 18 coded missing: 0 / 386

tabulation:	Freq.	Value
	329	0
	4	2
	6	3
	1	4
	2	7
	1	8
	2	9
	16	12
	1	14
	1	18
	1	21
	8	24
	4	36
	1	42
	3	48
	3	60
	2	72
	1	96

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F98CPAIN ----- CHEST PAIN

type: numeric (float)  
label: F98CPAIN

range: [1,3] units: 1  
unique values: 3 coded missing: 1 / 386

tabulation:	Freq.	Numeric	Label
	239	1	NO
	3	2	DK
	143	3	YES

F98CPRES ----- PRESSURE IN CHEST

type: numeric (float)  
label: F98CPRES

range: [1,3] units: 1  
unique values: 3 coded missing: 8 / 386

tabulation:	Freq.	Numeric	Label
	306	1	NO
	6	2	DK
	66	3	YES

F98CHILL ----- CHEST PAIN WALKING UP HILL OR HURRYING

type: numeric (float)  
label: F98CHILL

range: [1,3] units: 1  
unique values: 3 coded missing: 213 / 386

tabulation:	Freq.	Numeric	Label
	105	1	NO
	1	2	DK
	67	3	YES

F98CWALK ----- CHEST PAIN WALKING ON LEVEL

type: numeric (float)  
label: F98CWALK

range: [1,3] units: 1  
unique values: 3 coded missing: 215 / 386

tabulation:	Freq.	Numeric	Label
	127	1	NO
	1	2	DK
	43	3	YES

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F98CRLF ----- WHAT DID YOU DO WHEN PAIN OCCURRED

type: numeric (float)  
label: F98CRLF

range: [1,3] units: 1  
unique values: 2 coded missing: 252 / 386

tabulation:	Freq.	Numeric	Label
	107	1	STOP OR SLOW DOWN
	27	3	KEEP SAME PACE

F98CDB ----- WAS CHEST PAIN WORSE WITH DEEP BREATH

type: numeric (float)  
label: F98CDB

range: [1,3] units: 1  
unique values: 3 coded missing: 244 / 386

tabulation:	Freq.	Numeric	Label
	80	1	NO
	13	2	DK
	49	3	YES

F98CSS ----- CHEST PAIN WHEN STANDING STILL

type: numeric (float)  
label: F98CSS

range: [1,2] units: 1  
unique values: 2 coded missing: 284 / 386

tabulation:	Freq.	Numeric	Label
	71	1	RELIEVED
	31	2	NOT RELIEVED

F98CRLF ----- HOW SOON WAS CHEST PAIN RELIEVED

type: numeric (float)  
label: F98CRLF

range: [1,2] units: 1  
unique values: 2 coded missing: 292 / 386

tabulation:	Freq.	Numeric	Label
	67	1	10 MINUTES OR LESS
	27	2	MORE THAN 10 MINUTES

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F98LOCSB ----- SUBSTERNAL LOCATION

type: numeric (float)  
label: F98LOCSB

range: [1,3] units: 1  
unique values: 3 coded missing: 308 / 386

tabulation:	Freq.	Numeric	Label
	23	1	NO
	54	2	YES,WITHOUT RADIATION TO ARM
	1	3	YES WITH RADIATION TO ARM

F98LOCPR ----- PRECORDIAL LOCATION

type: numeric (float)  
label: F98LOCPR

range: [1,3] units: 1  
unique values: 3 coded missing: 327 / 386

tabulation:	Freq.	Numeric	Label
	34	1	NO
	22	2	YES,WITHOUT RADIATION TO ARM
	3	3	YES WITH RADIATION TO ARM

F98LOCSH ----- SHOULDER LOCATION

type: numeric (float)  
label: F98LOCSH

range: [1,2] units: 1  
unique values: 2 coded missing: 333 / 386

tabulation:	Freq.	Numeric	Label
	52	1	NO
	1	2	YES,WITHOUT RADIATION TO ARM

F98LOCEP ----- EPIGASTRIC LOCATION

type: numeric (float)  
label: F98LOCEP

range: [1,2] units: 1  
unique values: 2 coded missing: 333 / 386

tabulation:	Freq.	Numeric	Label
	48	1	NO
	5	2	YES,WITHOUT RADIATION TO ARM

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F98LOCDF ----- DIFFUSE LOCATION

type: numeric (float)  
label: F98LOCDF

range: [1,2] units: 1  
unique values: 2 coded missing: 330 / 386

tabulation:	Freq.	Numeric	Label
	51	1	NO
	5	2	YES,WITHOUT RADIATION TO ARM

F98COTH ----- OTHER SITES OF PAIN

type: numeric (float)  
label: F98COTH

range: [1,3] units: 1  
unique values: 2 coded missing: 294 / 386

tabulation:	Freq.	Numeric	Label
	83	1	NO
	9	3	YES

F98STE1 ----- SITE 1 PAIN

type: numeric (float)

range: [1,999] units: 1  
unique values: 6 coded missing: 380 / 386

tabulation:	Freq.	Value
	1	1
	1	142
	1	143
	1	732
	1	831
	1	999

F98STE2 ----- SITE 2 PAIN

type: numeric (float)

range: [733,733] units: 1  
unique values: 1 coded missing: 385 / 386

tabulation:	Freq.	Value
	1	733

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F98STE3 ----- SITE 3 PAIN

type: numeric (float)

range: [.,.]

units: .

unique values: 0

coded missing: 386 / 386

tabulation: Freq. Value

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F98SOBR ----- SHORTNESS OF BREATH AT REST

type: numeric (float)  
label: F98SOBR

range: [1,3] units: 1  
unique values: 2 coded missing: 5 / 386

tabulation:	Freq.	Numeric	Label
	346	1	NO
	35	3	YES

F98SOBE ----- SHORTNESS OF BREATH ON EXERTION

type: numeric (float)  
label: F98SOBE

range: [1,3] units: 1  
unique values: 3 coded missing: 5 / 386

tabulation:	Freq.	Numeric	Label
	189	1	NO
	1	2	DK
	191	3	YES

F98DIZR ----- DIZZINESS OR BLURRED VISION AT REST

type: numeric (float)  
label: F98DIZR

range: [1,3] units: 1  
unique values: 2 coded missing: 6 / 386

tabulation:	Freq.	Numeric	Label
	341	1	NO
	39	3	YES

F98DIZE ----- DIZZINESS OR BLURRED VISION ON EXERTION

type: numeric (float)  
label: F98DIZE

range: [1,3] units: 1  
unique values: 2 coded missing: 5 / 386

tabulation:	Freq.	Numeric	Label
	316	1	NO
	65	3	YES



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F98FAINT ----- FAINTING

type: numeric (float)  
label: F98FAINT

range: [1,3] units: 1  
unique values: 3 coded missing: 5 / 386

tabulation:	Freq.	Numeric	Label
	357	1	NO
	1	2	DK
	23	3	YES

F98PALP ----- PALPITATIONS

type: numeric (float)  
label: F98PALP

range: [1,3] units: 1  
unique values: 3 coded missing: 7 / 386

tabulation:	Freq.	Numeric	Label
	268	1	NO
	6	2	DK
	105	3	YES

F98TIRED ----- EASY FATIGUABILITY

type: numeric (float)  
label: F98TIRED

range: [1,3] units: 1  
unique values: 3 coded missing: 5 / 386

tabulation:	Freq.	Numeric	Label
	210	1	NO
	4	2	DK
	167	3	YES

F98EDEMA ----- SWELLING

type: numeric (float)  
label: F98EDEMA

range: [1,3] units: 1  
unique values: 3 coded missing: 5 / 386

tabulation:	Freq.	Numeric	Label
	311	1	NO
	1	2	DK
	69	3	YES

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F98SMKC ----- EVER SMOKED CIGARETTES

type: numeric (float)  
label: F98SMKC

range: [1,4] units: 1  
unique values: 3 coded missing: 9 / 386

tabulation: Freq. Numeric Label  
242 1 NO  
53 3 YES, NOT NOW BUT IN PAST  
82 4 YES NOW

F98SMKCN ----- HOW MANY CIGARETTES PER DAY

type: numeric (float)

range: [1,40] units: 1  
unique values: 15 coded missing: 287 / 386

tabulation: Freq. Value  
4 1  
6 2  
9 3  
4 4  
8 5  
2 6  
2 7  
4 8  
3 9  
29 10  
3 12  
4 15  
19 20  
1 30  
1 40

F98SMKG ----- EVER SMOKED CIGARS

type: numeric (float)

range: [1,4] units: 1  
unique values: 3 coded missing: 9 / 386

tabulation: Freq. Value  
363 1  
9 3  
5 4

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F98SMKGN ----- HOW MANY CIGARS PER DAY

type: numeric (float)

range: [1,1] units: 1  
unique values: 1 coded missing: 378 / 386

tabulation: Freq. Value  
8 1

F98SMKP ----- EVER SMOKED A PIPE

type: numeric (float)

range: [1,4] units: 1  
unique values: 3 coded missing: 9 / 386

tabulation: Freq. Value  
364 1  
12 3  
1 4

F98SMKPN ----- HOW MANY PIPEFULS PER DAY

type: numeric (float)

range: [0,2] units: 1  
unique values: 3 coded missing: 380 / 386

tabulation: Freq. Value  
1 0  
4 1  
1 2

F98DRNK ----- DRINK ALCOHOL

type: numeric (float)  
label: F98DRNK

range: [1,7] units: 1  
unique values: 7 coded missing: 10 / 386

tabulation: Freq. Numeric Label  
223 1 NO  
3 2 DK  
105 3 YES LESS THAN ONCE A WEEK  
37 4 YES 1-2 TIMES A WEEK  
6 5 YES 3-4 TIMES A WEEK  
1 6 YES NEARLY EVERY DAY  
1 7 EVERY DAY

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CSSCD FULL COHORT PATIENTS

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F98DRNKN ----- NUMBER OF DRINKS PER DAY

type: numeric (float)

range: [0,10]

units: 1

unique values: 9

coded missing: 244 / 386

tabulation: Freq. Value

3	0
77	1
33	2
11	3
8	4
1	5
7	6
1	8
1	10

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CSSCD FULL COHORT PATIENTS

F98SCHL ----- CURRENTLY ATTENDING SCHOOL

type: numeric (float)  
label: F98SCHL

range: [1,2] units: 1  
unique values: 2 coded missing: 3 / 386

tabulation:	Freq.	Numeric	Label
	234	1	NO
	149	2	YES

F98GYM ----- TAKING GYM CLASSES

type: numeric (float)  
label: F98GYM

range: [1,2] units: 1  
unique values: 2 coded missing: 244 / 386

tabulation:	Freq.	Numeric	Label
	53	1	NO
	89	2	YES

F98WALK ----- WALKING

type: numeric (float)  
label: F98WALK

range: [1,2] units: 1  
unique values: 2 coded missing: 12 / 386

tabulation:	Freq.	Numeric	Label
	137	1	NO
	237	2	YES

F98WALKM ----- MILES WALKED

type: numeric (float)

range: [1,50] units: 1  
unique values: 12 coded missing: 175 / 386

tabulation:	Freq.	Value
	106	1
	52	2
	15	3
	7	4
	17	5
	4	6
	2	7
	1	8
	4	10
	1	12
	1	15
	1	50

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CSSCD FULL COHORT PATIENTS

---

F98WALKF ----- FREQUENCY OF WALKING

type: numeric (float)  
label: F98WALKF

range: [1,2] units: 1  
unique values: 2 coded missing: 168 / 386

tabulation:	Freq.	Numeric	Label
	161	1	DAILY
	57	2	WEEKLY

F98JOG ----- JOGGING

type: numeric (float)  
label: F98JOG

range: [1,2] units: 1  
unique values: 2 coded missing: 18 / 386

tabulation:	Freq.	Numeric	Label
	323	1	NO
	45	2	YES

F98JOGM ----- MILES JOGGED

type: numeric (float)

range: [1,3] units: 1  
unique values: 3 coded missing: 354 / 386

tabulation:	Freq.	Value
	23	1
	7	2
	2	3

F98JOGF ----- FREQUENCY OF JOGGING

type: numeric (float)  
label: F98JOGF

range: [1,2] units: 1  
unique values: 2 coded missing: 345 / 386

tabulation:	Freq.	Numeric	Label
	13	1	DAILY
	28	2	WEEKLY

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CSSCD FULL COHORT PATIENTS

F98SWIM ----- SWIMMING

type: numeric (float)  
label: F98SWIM

range: [1,2] units: 1  
unique values: 2 coded missing: 19 / 386

tabulation:	Freq.	Numeric	Label
	328	1	NO
	39	2	YES

F98SWIMM ----- MILES SWUM

type: numeric (float)

range: [0,20] units: 1  
unique values: 5 coded missing: 365 / 386

tabulation:	Freq.	Value
	2	0
	15	1
	2	2
	1	5
	1	20

F98SWIMF ----- FREQUENCY OF SWIMMING

type: numeric (float)  
label: F98SWIMF

range: [1,2] units: 1  
unique values: 2 coded missing: 353 / 386

tabulation:	Freq.	Numeric	Label
	5	1	DAILY
	28	2	WEEKLY

F98BIKE ----- BICYCLING

type: numeric (float)  
label: F98BIKE

range: [1,2] units: 1  
unique values: 2 coded missing: 12 / 386

tabulation:	Freq.	Numeric	Label
	273	1	NO
	101	2	YES

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CSSCD FULL COHORT PATIENTS

F98BIKEM ----- MILES BIKED

type: numeric (float)  
range: [0,20] units: 1  
unique values: 9 coded missing: 323 / 386

tabulation:	Freq.	Value
	1	0
	27	1
	8	2
	10	3
	6	4
	7	5
	1	6
	1	10
	2	20

F98BIKEF ----- FREQUENCY OF BICYCLING

type: numeric (float)  
label: F98BIKEF  
range: [1,2] units: 1  
unique values: 2 coded missing: 300 / 386

tabulation:	Freq.	Numeric	Label
	25	1	DAILY
	61	2	WEEKLY

F98OPEX ----- OTHER PHYSICAL EXERCISE

type: numeric (float)  
label: F98OPEX  
range: [1,2] units: 1  
unique values: 2 coded missing: 36 / 386

tabulation:	Freq.	Numeric	Label
	201	1	NO
	149	2	YES

F98OPEXF ----- FREQUENCY OF OTHER PHYSICAL EXERCISE

type: numeric (float)  
label: F98OPEXF  
range: [1,2] units: 1  
unique values: 2 coded missing: 250 / 386

tabulation:	Freq.	Numeric	Label
	41	1	DAILY
	95	2	WEEKLY



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CSSCD FULL COHORT PATIENTS

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F98STAIR ----- FLIGHTS OF STAIRS WITHOUT STOPPING

type: numeric (float)

range: [0,40]

units: 1

unique values: 18

coded missing: 16 / 386

mean: 4.61892

std. dev: 3.73922

percentiles:	10%	25%	50%	75%	90%
	2	2	4	5	8

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CSSCD FULL COHORT PATIENTS

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F98TEMP ----- TEMPERATURE

type: numeric (float)

range: [35.9,80.8] units: .1  
unique values: 26 coded missing: 89 / 386

mean: 37.7606  
std. dev: 5.61857

percentiles: 10% 25% 50% 75% 90%  
36.6 36.8 37 37.2 37.4

. speccode F98TEMPH, tabulate(100)

F98TEMPH ----- HOW TEMPERATURE TAKEN

type: numeric (float)  
label: F98TEMPH

range: [1,2] units: 1  
unique values: 2 coded missing: 106 / 386

tabulation: Freq. Numeric Label  
275 1 ORAL  
5 2 RECTAL

F98HR ----- HEART RATE

type: numeric (float)

range: [14,120] units: 1  
unique values: 50 coded missing: 6 / 386

mean: 78.1868  
std. dev: 12.5952

percentiles: 10% 25% 50% 75% 90%  
60 70.5 78 84.5 94

F98RESP ----- RESPIRATION RATE

type: numeric (float)

range: [1,36] units: 1  
unique values: 20 coded missing: 10 / 386

mean: 19.2846  
std. dev: 4.46872

percentiles: 10% 25% 50% 75% 90%  
14 16 18 22 24

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CSSCD FULL COHORT PATIENTS

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F98BP1S ----- SYSTOLIC BLOOD PRESSURE 1ST READING

type: numeric (float)

range: [80,180] units: 1  
unique values: 43 coded missing: 7 / 386

mean: 113.591  
std. dev: 13.5695

percentiles:	10%	25%	50%	75%	90%
	100	105	110	120	130

F98BP1D4 ----- DIASTOLIC B.P. 4TH PHASE, 1ST READING

type: numeric (float)

range: [40,132] units: 1  
unique values: 40 coded missing: 16 / 386

mean: 69.1649  
std. dev: 11.4216

percentiles:	10%	25%	50%	75%	90%
	55	60	70	75	81

F98BP1D5 ----- DIASTOLIC B.P. 5TH PHASE, 1ST READING

type: numeric (float)

range: [0,132] units: 1  
unique values: 39 coded missing: 33 / 386

mean: 52.0652  
std. dev: 25.219

percentiles:	10%	25%	50%	75%	90%
	0	46	60	70	76

F98BP2S ----- SYSTOLIC BLOOD PRESSURE, 2ND READING

type: numeric (float)

range: [50,180] units: 1  
unique values: 48 coded missing: 20 / 386

mean: 113.082  
std. dev: 14.2842

percentiles:	10%	25%	50%	75%	90%
	98	105	110	120	130

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CSSCD FULL COHORT PATIENTS

F98BP2D4 ----- DIASTOLIC B.P. 4TH PHASE, 2ND READING

type: numeric (float)

range: [40,108] units: 1  
unique values: 41 coded missing: 26 / 386

mean: 68.5944  
std. dev: 11.0583

percentiles: 10% 25% 50% 75% 90%  
55 60 70 75 82

F98BP2D5 ----- DIASTOLIC B.P. 5TH PHASE, 2ND READING

type: numeric (float)

range: [0,104] units: 1  
unique values: 39 coded missing: 40 / 386

mean: 50.9451  
std. dev: 24.9311

percentiles: 10% 25% 50% 75% 90%  
0 44 60 68 75

F98HRTSZ ----- HEART SIZE

type: numeric (float)  
label: F98HRTSZ

range: [1,2] units: 1  
unique values: 2 coded missing: 5 / 386

tabulation:	Freq.	Numeric	Label
	258	1	NORMAL
	123	2	ENLARGED

F98RVI ----- RIGHT VENTRICULAR IMPULSE

type: numeric (float)  
label: F98RVI

range: [1,2] units: 1  
unique values: 2 coded missing: 28 / 386

tabulation:	Freq.	Numeric	Label
	332	1	NORMAL
	26	2	ABNORMAL

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CSSCD FULL COHORT PATIENTS

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F98LVI ----- LEFT VENTRICULAR IMPULSE

    type: numeric (float)  
    label: F98LVI

        range: [1,2]                                units: 1  
unique values: 2                                coded missing: 10 / 386

tabulation:	Freq.	Numeric	Label
	296	1	NORMAL
	80	2	ABNORMAL

F98THRIL ----- THRILL

    type: numeric (float)  
    label: F98THRIL

        range: [1,33]                                units: 1  
unique values: 7                                coded missing: 7 / 386

tabulation:	Freq.	Numeric	Label
	1	1	CAROTID
	2	4	LEFT BASE
	1	8	LSB
	1	14	
	1	16	APEX
	371	32	NO THRILL
	2	33	INCOMPLETE

F98RHY ----- RHYTHM

    type: numeric (float)  
    label: F98RHY

        range: [1,2]                                units: 1  
unique values: 2                                coded missing: 4 / 386

tabulation:	Freq.	Numeric	Label
	370	1	NORMAL
	12	2	ABNORMAL

F98RHYC ----- ICDA CODE FOR ECG RHYTHM DIAGNOSIS

    type: numeric (float)

        range: [999.99,999.99]                        units: .01  
unique values: 1                                coded missing: 383 / 386

tabulation:	Freq.	Value
	3	999.98999

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CSSCD FULL COHORT PATIENTS

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F98SPLIT ----- SPLIT S2

type: numeric (float)  
label: F98SPLIT

range: [1,3] units: 1  
unique values: 3 coded missing: 8 / 386

tabulation:	Freq.	Numeric	Label
	372	1	PHYSIOLOGIC
	3	2	PARADOXIC
	3	3	FIXED

F98EXAGP ----- EXAGGERATED P2

type: numeric (float)  
label: F98EXAGP

range: [1,2] units: 1  
unique values: 2 coded missing: 21 / 386

tabulation:	Freq.	Numeric	Label
	326	1	NO
	39	2	YES

F98S3GAL ----- S3 GALLOP

type: numeric (float)  
label: F98S3GAL

range: [1,2] units: 1  
unique values: 2 coded missing: 10 / 386

tabulation:	Freq.	Numeric	Label
	307	1	NO
	69	2	YES

F98S4GAL ----- S4 GALLOP

type: numeric (float)  
label: F98S4GAL

range: [1,2] units: 1  
unique values: 2 coded missing: 20 / 386

tabulation:	Freq.	Numeric	Label
	347	1	NO
	19	2	YES

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CSSCD FULL COHORT PATIENTS

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F98SMGAL ----- SUMMATION GALLOP

type: numeric (float)  
label: F98SMGAL

range: [1,2] units: 1  
unique values: 2 coded missing: 20 / 386

tabulation: Freq. Numeric Label  
              365      1 NO  
              1       2 YES

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CSSCD FULL COHORT PATIENTS

F98MURMP ----- HEART MURMUR PRESENT

type: numeric (float)  
label: F98MURMP

range: [1,2] units: 1  
unique values: 2 coded missing: 6 / 386

tabulation:	Freq.	Numeric	Label
	90	1	ABSENT
	290	2	PRESENT

F98MURM ----- HEART MURMUR TYPE

type: numeric (float)  
label: F98MURM

range: [0,16] units: 1  
unique values: 11 coded missing: 10 / 386

tabulation:	Freq.	Numeric	Label
	9	0	
	117	1	FUNCTIONAL
	118	2	FLOW
	18	3	
	22	4	ACQUIRED VALVULAR
	1	5	
	2	6	
	1	8	CONGENITAL DEFECT
	1	9	
	1	12	
	86	16	

F98SEM ----- SYSTOLIC EJECTION MURMUR

type: numeric (float)  
label: F98SEM

range: [1,2] units: 1  
unique values: 2 coded missing: 346 / 386

tabulation:	Freq.	Numeric	Label
	4	1	NO
	36	2	YES



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CSSCD FULL COHORT PATIENTS

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F98SEMG ----- GRADE OF SYSTOLIC EJECTION MURMUR

type: numeric (float)

range: [1,5] units: 1  
unique values: 5 coded missing: 351 / 386

tabulation:	Freq.	Value
	3	1
	25	2
	5	3
	1	4
	1	5

F98SEMRB ----- SEM RB RADIATION

type: numeric (float)  
label: F98SEMRB

range: [0,8] units: 1  
unique values: 4 coded missing: 379 / 386

tabulation:	Freq.	Numeric	Label
	3	0	NO MURMUR AT THIS SITE
	1	2	RADIATION TO NECK
	1	4	RADIATION TO BACK
	2	8	RADIATION TO OTHER SITE

F98SEMLB ----- SEM LB RADIATION

type: numeric (float)  
label: F98SEMLB

range: [3,16] units: 1  
unique values: 4 coded missing: 379 / 386

tabulation:	Freq.	Numeric	Label
	1	3	
	1	5	
	1	6	
	4	16	NO RADIATION

F98SEMSB ----- SEM LSB RADIATION

type: numeric (float)  
label: F98SEMSB

range: [0,16] units: 1  
unique values: 5 coded missing: 369 / 386

tabulation:	Freq.	Numeric	Label
	3	0	NO MURMUR AT THIS SITE
	1	1	RADIATION TO AXILLA
	1	6	
	1	8	RADIATION TO OTHER SITE
	11	16	NO RADIATION

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CSSCD FULL COHORT PATIENTS

F98SEMAP ----- SEM APICAL RADIATION

type: numeric (float)  
label: F98SEMAP

range: [0,16] units: 1  
unique values: 4 coded missing: 375 / 386

tabulation:	Freq.	Numeric	Label
	3	0	NO MURMUR AT THIS SITE
	2	1	RADIATION TO AXILLA
	1	3	
	5	16	NO RADIATION

F98PAN ----- PANSYSTOLIC MURMUR

type: numeric (float)  
label: F98PAN

range: [1,2] units: 1  
unique values: 2 coded missing: 364 / 386

tabulation:	Freq.	Numeric	Label
	8	1	NO
	14	2	YES

F98PANG ----- GRADE OF PANSYSTOLIC MURMUR

type: numeric (float)

range: [1,3] units: 1  
unique values: 3 coded missing: 372 / 386

tabulation:	Freq.	Value
	2	1
	9	2
	3	3

F98PANRB ----- RADIATION OF RB PANSYSTOLIC MURMUR

type: numeric (float)  
label: F98PANRB

range: [16,16] units: 1  
unique values: 1 coded missing: 385 / 386

tabulation:	Freq.	Numeric	Label
	1	16	NO RADIATION

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CSSCD FULL COHORT PATIENTS

F98PANLB ----- RADIATION OF LB PANSYSTOLIC MURMUR

type: numeric (float)  
label: F98PANLB

range: [0,16] units: 1  
unique values: 2 coded missing: 384 / 386

tabulation:	Freq.	Numeric	Label
	1	0	NO MURMUR AT THIS SITE
	1	16	NO RADIATION

F98PANSB ----- RADIATION OF LSB PANSYSTOLIC MURMUR

type: numeric (float)  
label: F98PANSB

range: [16,16] units: 1  
unique values: 1 coded missing: 383 / 386

tabulation:	Freq.	Numeric	Label
	3	16	NO RADIATION

F98PANAP ----- RADIATION OF APEX PANSYSTOLIC MURMUR

type: numeric (float)  
label: F98PANAP

range: [0,16] units: 1  
unique values: 3 coded missing: 377 / 386

tabulation:	Freq.	Numeric	Label
	3	0	NO MURMUR AT THIS SITE
	3	1	RADIATION TO AXILLA
	3	16	NO RADIATION

F98RUM ----- DIASTOLIC RUMBLE

type: numeric (float)  
label: F98RUM

range: [1,1] units: 1  
unique values: 1 coded missing: 377 / 386

tabulation:	Freq.	Numeric	Label
	9	1	NO

F98RUMG ----- GRADE OF DIASTOLIC RUMBLE

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 386 / 386

tabulation: Freq. Value

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CSSCD FULL COHORT PATIENTS

---

F98RUMRB ----- RADIATION OF RB DIASTOLIC RUMBLE

type: numeric (float)  
label: F98RUMRB

range: [.,.] units: .  
unique values: 0 coded missing: 386 / 386

tabulation: Freq. Numeric Label

F98RUMLB ----- RADIATION OF LB DIASTOLIC RUMBLE

type: numeric (float)  
label: F98RUMLB

range: [.,.] units: .  
unique values: 0 coded missing: 386 / 386

tabulation: Freq. Numeric Label

F98RUMSB ----- RADIATION OF LSB DIASTOLIC RUMBLE

type: numeric (float)  
label: F98RUMSB

range: [.,.] units: .  
unique values: 0 coded missing: 386 / 386

tabulation: Freq. Numeric Label

F98RUMAP ----- RADIATION OF APEX DIASTOLIC RUMBLE

type: numeric (float)  
label: F98RUMAP

range: [.,.] units: .  
unique values: 0 coded missing: 386 / 386

tabulation: Freq. Numeric Label

F98REG ----- DIASTOLIC REGURGITANT MURMUR

type: numeric (float)  
label: F98REG

range: [1,2] units: 1  
unique values: 2 coded missing: 376 / 386

tabulation: Freq. Numeric Label  
9 1 NO  
1 2 YES

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CSSCD FULL COHORT PATIENTS

F98REGG ----- GRADE OF DIASTOLIC REGURGITANT MURMUR

type: numeric (float)

range: [1,1]

units: 1

unique values: 1

coded missing: 385 / 386

tabulation: Freq. Value  
                  1 1

F98REGRB ----- RADIATION - RB DIASTOLIC REGURG. MURMUR

type: numeric (float)

label: F98REGRB

range: [16,16]

units: 1

unique values: 1

coded missing: 385 / 386

tabulation: Freq. Numeric Label  
                  1          16 NO RADIATION

F98REGLB ----- RADIATION - LB DIASTOLIC REGURG. MURMUR

type: numeric (float)

label: F98REGLB

range: [.,.]

units: .

unique values: 0

coded missing: 386 / 386

tabulation: Freq. Numeric Label

F98REGSB ----- RADIATION - LSB DIASTOLIC REGURG. MURMUR

type: numeric (float)

label: F98REGSB

range: [.,.]

units: .

unique values: 0

coded missing: 386 / 386

tabulation: Freq. Numeric Label

F98REGAP ----- RADIATION - APEX DIAST. REGURG. MURMUR

type: numeric (float)

label: F98REGAP

range: [12,12]

units: 1

unique values: 1

coded missing: 385 / 386

tabulation: Freq. Numeric Label  
                  1          12

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CSSCD FULL COHORT PATIENTS

---

F98RUB ----- PERICARDIAL RUB

type: numeric (float)  
label: F98RUB

range: [1,1] units: 1  
unique values: 1 coded missing: 3 / 386

tabulation: Freq. Numeric Label  
383 1 NO

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CARDIAC EVALUATION (PART 2)

CSSCD FULL COHORT PATIENTS

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F98BPULS ----- BRACHIAL OR RADIAL PULSES

type: numeric (float)  
label: F98BPULS

range: [1,4] units: 1  
unique values: 4 coded missing: 8 / 386

tabulation:	Freq.	Numeric	Label
	2	1	DECREASED
	290	2	NORMAL
	81	3	FULL
	5	4	BOUNDING

F98CPULS ----- CAROTID PULSES

type: numeric (float)  
label: F98CPULS

range: [1,4] units: 1  
unique values: 4 coded missing: 8 / 386

tabulation:	Freq.	Numeric	Label
	1	1	DECREASED
	290	2	NORMAL
	81	3	FULL
	6	4	BOUNDING

F98PEDEM ----- PERIPHERAL EDEMA

type: numeric (float)  
label: F98PEDEM

range: [1,2] units: 1  
unique values: 2 coded missing: 3 / 386

tabulation:	Freq.	Numeric	Label
	375	1	NO
	8	2	YES

F98PPERF ----- PERIPHERAL PERFUSION

type: numeric (float)  
label: F98PPERF

range: [1,2] units: 1  
unique values: 2 coded missing: 12 / 386

tabulation:	Freq.	Numeric	Label
	373	1	NORMAL
	1	2	ABNORMAL

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CSSCD FULL COHORT PATIENTS

F98NOET ----- EXERCISE TESTING CONTRAINDICATED

type: numeric (float)  
label: F98NOET

range: [1,33] units: 1  
unique values: 14 coded missing: 9 / 386

tabulation:	Freq.	Numeric	Label
	3	1	CARDIAC
	1	2	PULMONARY
	17	4	OTHER PHYSICAL HANDICAP
	1	5	
	1	6	
	1	8	MENTAL HANDICAP
	23	16	OTHER
	1	17	
	1	18	
	4	20	
	1	21	
	1	24	
	319	32	NO
	3	33	INCOMPLETE

\_dta:

1. Created 11/8/99.

- A. List of variables deleted **F99INIT F99NDATE F99LASTU F99LASTE F99ESTAT  
F99VDATE F99DATE F99DFC F99FCB F99ECGD F99ECHOD F99HEDT  
F99CBCDT**
- B. List of variables modified **NONE**
- C. List of variables modified with a name change **NONE**
- D. Old name
- E. New name
- F. List of variables modified date to days since DOE
- G. Old name **F99DATE F99ECGD F99ECHOD F99HEDT**
- H. New name **JF99DATE JF99ECGD JF99ECHOD JF99HEDT**
- I.
- J. Collection Information:

**Form 99 (Cardiac Evaluation - Part 2: Laboratory and Exercise Testing)** was to be completed for patients participating in the cardiac ancillary study. Only HbSS patients  $\geq 5$  years of age from four clinical centers ("G", "M", "P", and "Y") participated in the study. The first evaluation was done in 1982 and 1983. Repeat evaluation was completed between 1986 and 1988. Echo and ECG strips, along with Form 99, were forwarded to cardiology consultants at Yale for interpretation.



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Reviewer results were entered on Form 99 before forwarding forms to the SCC.

Only baseline results are included in the dataset. Forms for repeat studies were not received from Yale before the end of Phase 1.

K. Data Collection Period: 02/82-09/88

L. Form Version Dates: 08/25/82

M. Files Used to Store Information:

SAS System Files: **R99.SD2**

Format Files: **R99.FMT**

N. Unique Record Identifiers: **ANONID, F99CYCLE**

Records within the dataset are sorted by **ANONID** and **F99CYCLE**

O. Number of Observations (Patients) in SAS Dataset: 240 (240)

P. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 1-3
- Listing of Variables by Position: See pp. 4-5

Q. Notes About Selected Variables:

- **F99GINT, F99OINT** – are the variable names for ECG interpretation and ECHO interpretation respectively. The value of each is comprised of up to four 2-digit diagnosis codes. The following compute statements can be used to separate the 4 codes:

For **F99GINT**:

- `ecg2=substr(f99gint,7,2);`
- `ecg1=substr(f99gint,5,2);`
- `ecg3=substr(f99gint,9,2);`
- `ecg4=substr(f99gint,11,2);`

For **F99OINT**:

- `echo2=substr(f99oint,7,2);`
- `echo1=substr(f99oint,5,2);`
- `echo3=substr(f99oint,9,2);`
- `echo4=substr(f99oint,11,2);`

The INTERP format in **R99.FMT** should be used to decode the values.

R. Computed Variables: None

S. Inter-Relationship With Other Datasets:

Data relevant to cardiac function were also collected on

**CODEBOOK FOR CSSCD FORM 99  
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<b>Phase 1 Forms</b>	<b>SAS Dataset</b>	<b>See Section</b>
Form 98	<b>R98.SD2</b>	6.9.1
Form 99	<b>R97.SD2</b>	6.9.3
Form 11	<b>R1121.SD2</b>	4.3
Forms 17, 19, 20, 21, 24	<b>R1722.SD2</b>	4.5
Form 25	<b>R25.SD2</b>	4.6
Form 94	<b>R94.SD2</b>	6.8.1
Form 26	<b>R20.SD2</b>	10.1
"Roster"	<b>R09.SD2</b>	1.0 (variable: <b>CARDSTAT</b> )

CONTENTS OF SAS DATASET: R99.SD2

DATA FROM CSSCD FORM 99 - CARDIAC EVALUATION - PART II (LABORATORY)  
VARIABLES ARE LISTED IN ORDER OF THEIR POSITION IN THE SAS DATASET AND ON FORM 99

CONTENTS PROCEDURE

Data Set Name: OUT.R99	Observations: 240
Member Type: DATA	Variables: 65
Engine: V612	Indexes: 0
Created: 13:20 Tuesday, October 24, 2000	Observation Length: 579
Last Modified: 13:20 Tuesday, October 24, 2000	Deleted Observations: 0
Protection:	Compressed: NO
Data Set Type:	Sorted: YES
Label:	

-----Engine/Host Dependent Information-----

Data Set Page Size:	16384
Number of Data Set Pages:	10
File Format:	607
First Data Page:	1
Max Obs per Page:	28
Obs in First Data Page:	12

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Label
1	ANONID	Char	8		ANONYMIZED ID #
2	F99CYCLE	Num	8		CYCLE
3	F99HGT	Num	8		HEIGHT (CM)
4	F99WGT	Num	8		WEIGHT (KG)
5	F99BSA	Num	8		BODY SURFACE AREA (M2)
6	F99HR	Num	8		HEART RATE (BEATS PER MIN)
7	F99RR	Num	8		R-R INTERVAL (SEC)
8	F99PR	Num	8		P-R INTERVAL (SEC)
9	F99QRS	Num	8		QRS DURATION (SEC)
10	F99QT	Num	8		Q-T INTERVAL (SEC)
11	F99PWAVE	Num	8		P WAVE AXIS
12	F99QRSA	Num	8		QRS AXIS
13	F99RHYT	Num	8		RHYTHM TYPE
14	F99CONT	Num	8		CONDUCTION TYPE
15	F99CHT	Num	8		CHAMBER HYPERTROPHY TYPE

**CODEBOOK FOR CSSCD FORM 99  
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CSSCD FULL COHORT PATIENTS

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16	F99STS	Num	8	S-T SEGMENT
17	F99STD	Num	8	S-T DEPRESSION (MM)
18	F99STL	Num	8	LEAD OF S-T DEPRESSION
19	F99JPD	Num	8	J POINT DEPRESSION
20	F99TINV	Num	8	T WAVE INVERSION
21	F99TIL	Num	8	LEAD OF T INVERSION
22	F99ECGDX	Num	8	ECG FINAL DIAGNOSIS
23	F99GINT	Num	8	ECG INTERPRETATION
24	F99GNOET	Num	8	EXERCISE TESTING CONTRAINDICATED BY ECG
25	F99ECHRR	Num	8	ECHO R-R INTERVAL (SEC)
26	F99RVED	Num	8	RV END DIASTOLIC DIMENSION (CM)
27	F99RVWD	Num	8	RV WALL THICKNESS, END DIASTOLE (CM)
28	F99RVWS	Num	8	RV WALL THICKNESS, END SYSTOLE (CM)
29	F99LVED	Num	8	LV END DIASTOLIC DIMENSION (CM)
30	F99LVES	Num	8	LV END SYSTOLIC DIMENSION (CM)
31	F99LVWS	Num	8	LV WALL THICKNESS, END SYSTOLE (CM)
32	F99LVWD	Num	8	LV WALL THICKNESS, END DIASTOLE (CM)
33	F99VSS	Num	8	VENTRICULAR SEPTAL THICKNESS,
34	F99VSD	Num	8	VENTRICULAR SEPTAL THICKNESS,
35	F99LAS	Num	8	LEFT ATRIUM DIMENSION, END SYSTOLE (CM)
36	F99ARD	Num	8	AORTIC ROOT DIMENSION, END DIASTOLE (CM)
37	F99EP	Num	8	E POINT SEPARATION (CM)
38	F99RVPE	Num	8	RV PRE-EJECTION TIME (SEC)
39	F99RVET	Num	8	RV EJECTION TIME (SEC)
40	F99LVPE	Num	8	LV PRE-EJECTION TIME (SEC)
41	F99LVET	Num	8	LV EJECTION TIME (SEC)
42	F99DC	Num	8	DIASTOLIC CLOSURE (MM PER SEC)
43	F99SM	Num	8	SEPTAL MOTION
44	F99PEF	Num	8	PERICARDIAL EFFUSION
45	F99ECHDX	Num	8	ECHO FINAL DIAGNOSIS
46	F99OINT	Num	8	ECHO INTERPRETATION
47	F99ENOET	Num	8	EXERCISE TESTING CONTRAINDICATED BY ECHO
48	F99CHX	Num	8	CHEST X-RAY DONE
49	F99CHXD	Num	8	CHEST X-RAY DATE
50	F99XCARD	Num	8	CARDIOMEGALY ON X-RAY
51	F99CTR	Num	8	C-T RATIO
52	F99CBCDO	Num	8	CBC DONE
53	F99HGB	Num	8	HEMOGLOBIN (GM PER DL)
54	F99HCT	Num	8	HEMATOCRIT (%)
55	F99RBC	Num	8	RBC (X 10 TO THE 12TH PER LITER)
56	F99WBC	Num	8	WBC (X 10 TO THE 9TH PER LITER)
57	F99MCV	Num	8	MCV (FL)
58	F99HEDO	Num	8	HGB ELECTROPHORESIS DONE
59	F99HBS	Num	8	HEMOGLOBIN S (%)
60	F99HBA	Num	8	HEMOGLOBIN A (%)
61	JF99DATE	Num	8	DATE OF VISIT - RECODE DAYS SINCE DOE
62	JF99EGGD	Num	8	DATE OF ECG - RECODE DAYS SINCE DOE
63	JF99ECHOD	Num	8	DATE OF ECHO - RECODE DAYS SINCE DOE
64	JF99HEDT	Num	8	DATE OF HGB ELECTROPHORESIS - RECODE DAYS SINCE DOE
65	JF99CBCDT	Num	8	DATE OF CBC - RECODE DAYS SINCE DOE

-----Sort Information-----

Sortedby: ANONID F99CYCLE  
Validated: YES

---

SECTION 6.9.2 CARDIAC EVALUATION (PART 2)

FORM 99

**CODEBOOK FOR CSSCD FORM 99  
CARDIAC EVALUATION (PART 2)**

CSSCD FULL COHORT PATIENTS

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Character Set: ANSI

**CODEBOOK FOR CSSCD FORM 99  
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---

\*\*\*\*\*  
\* R99.fmt contains value labels for numerical codes assigned to categorical \*  
\* variables in the SAS dataset R99.SD2 \*  
\*\*\*\*\*;

\* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 11/09/99;

PROC FORMAT;

VALUE F99ESTAT

0	= 'NO ERRS OR BKPTS'
1	= 'NO ERRS, SOME BKPTS'
2	= 'SOME ERRS, NO BKPTS'
3	= 'BOTH ERRS AND BKPTS';

VALUE F99RHYT

1	= 'ECTOPIC ATRIAL'
2	= 'JUNCTIONAL'
4	= 'VENTRICULAR'
8	= 'NORMAL';

VALUE F99CONT

1	= 'RBBB'
2	= 'LBBB'
4	= 'LAH'
8	= 'A-V BLOCK 1'
16	= 'A-V BLOCK 2'
32	= 'A-V BLOCK 3'
64	= 'LPH'
128	= 'BIFASICULAR'
256	= 'OTHER'
512	= 'NORMAL';

VALUE F99CHT

1	= 'R. VENTRICULAR'
2	= 'L. VENTRICULAR'
4	= 'R. ATRIAL'
8	= 'L. ATRIAL'
16	= 'NONE';

\* FORMAT NORM IS DEFINED FOR VARIABLES: F99STS F99ECGDX F99ECHDX;

VALUE NORM

1	= 'NORMAL'
2	= 'ABNORMAL';

**CODEBOOK FOR CSSCD FORM 99  
CARDIAC EVALUATION (PART 2)**

CSSCD FULL COHORT PATIENTS

---

VALUE F99STL

1	= 'I'
2	= 'II'
4	= 'III'
8	= 'AVR'
16	= 'AVL'
32	= 'AVF'
64	= 'V1'
128	= 'V2'
256	= 'V3'
512	= 'V3R'
1024	= 'V4'
2048	= 'V5'
4096	= 'V6';

\* FORMAT N\_Y IS DEFINED FOR VARIABLES: F99JPD F99TINV F99GNOET F99PEF F99ENOET;

VALUE N\_Y

1	= 'NO'
2	= 'YES';

VALUE F99TIL

1	= 'I'
2	= 'II'
4	= 'III'
8	= 'AVR'
16	= 'AVL'
32	= 'AVF'
64	= 'V1'
128	= 'V2'
256	= 'V3'
512	= 'V3R'
1024	= 'V4'
2048	= 'V5'
4096	= 'V6'
8192	= 'NO';

\* FORMAT INTERP IS DEFINED FOR VARIABLES: F99GINT F99OINT;

VALUE INTERP

1	= 'LAD'
2	= 'LAE'
3	= 'I LA-A0'
4	= 'LV DILATATION'
5	= 'I LVEDD'
6	= 'PROLONGED LVET'
7	= 'LVH'
8	= 'D LVPEP-LVET'
9	= 'FLAT SEPTAL MOTION'
10	= 'PERICARDIAL EFF'
11	= 'SEPTAL HYPERTROPHY'
12	= 'ST-T WAVE CHANGES'
13	= 'T WAVE CHANGES'
14	= 'LVE'
15	= '? SUBAORTIC STENOSIS'
16	= 'RBBB'

**CODEBOOK FOR CSSCD FORM 99  
CARDIAC EVALUATION (PART 2)**

CSSCD FULL COHORT PATIENTS

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17	=	'LV SYSTOLIC DYSFUNCT'
18	=	'PVCS'
19	=	'? NO IHSS'
20	=	'1 DEGREE HEART BLOCK'
21	=	'RVH'
22	=	'ABN. SYST. TIME INT.'
23	=	'I RVET'
24	=	'FINE FLUTTER AO V'
25	=	'COARSE FLUTTER AO V'
26	=	'I RVEDD'
27	=	'MULT AO V ECHOES'
28	=	'AORTIC DILATATION'
29	=	'L AXIS DEVIATION'
30	=	'I SEPTAL THICKNESS'
98	=	'CANT READ'
99	=	'INCOMPLETE STUDY';

VALUE F99SM

1	=	'NORMAL'
2	=	'FLAT'
3	=	'PARADOXICAL';

VALUE F99CHX

1	=	'NOT DONE'
2	=	'DONE';

VALUE F99XCARD

1	=	'YES'
2	=	'NO';

\* FORMAT DONE IS DEFINED FOR VARIABLES: F99CBCDO F99HEDO;

VALUE DONE

1	=	'DONE'
2	=	'NOT DONE, NO REASON GIVEN'
3	=	'NOT DONE, REASON GIVEN';

\*   FORMAT    F99RHYT  F99RHYT.  
              F99CONT  F99CONT.  
              F99CHT  F99CHT.  
              F99STS  F99ECGDX F99ECHDX NORM.  
              F99STL  F99STL.  
              F99JPD  F99TINV  F99GNOET F99PEF F99ENOET N\_Y.  
              F99TIL  F99TIL.  
              F99GINT  F99OINT  INTERP.  
              F99SM   F99SM.  
              F99CHX  F99CHX.  
              F99XCARD F99XCARD.  
              F99CBCDO F99HEDO  DONE.;

run;  
quit;

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 2**

CSSCD FULL COHORT PATIENTS

F99VDATE ----- VERSION DATE **DELETED**

type: numeric (int)

label: datelab

range: [8102,8102] units: 1  
 unique values: 1 coded missing: 239 / 240

tabulation:	Freq.	Numeric	Label
	1	8102	03/08/82

F99HGT ----- HEIGHT (CM)

type: numeric (float)

range: [108,187] units: .1  
 unique values: 101 coded missing: 2 / 240

mean: 158.399  
 std. dev: 17.0179

percentiles:	10%	25%	50%	75%	90%
	127	153	162	170	175.3

F99WGT ----- WEIGHT (KG)

type: numeric (float)

range: [14.7,86] units: .01  
 unique values: 161 coded missing: 2 / 240

mean: 50.1853  
 std. dev: 14.3935

percentiles:	10%	25%	50%	75%	90%
	25.5	42.3	53	59.5	67

F99BSA ----- BODY SURFACE AREA (M2)

type: numeric (float)

range: [.76,2.03] units: .01  
 unique values: 82 coded missing: 34 / 240

mean: 1.51762  
 std. dev: .260492

percentiles:	10%	25%	50%	75%	90%
	1.13	1.41	1.55	1.7	1.8



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CSSCD FULL COHORT PATIENTS

F99HR ----- HEART RATE (BEATS PER MIN)

type: numeric (float)

range: [46,115] units: 1  
unique values: 35 coded missing: 2 / 240

mean: 74.3739  
std. dev: 12.9363

percentiles:	10%	25%	50%	75%	90%
	60	65	75	83	94

F99RR ----- R-R INTERVAL (SEC)

type: numeric (float)

range: [.52,1.3] units: .01  
unique values: 29 coded missing: 2 / 240

mean: .831218  
std. dev: .140778

percentiles:	10%	25%	50%	75%	90%
	.64	.72	.8	.92	1

F99PR ----- P-R INTERVAL (SEC)

type: numeric (float)

range: [.1,.24] units: .01  
unique values: 11 coded missing: 3 / 240

mean: .156582  
std. dev: .02735

percentiles:	10%	25%	50%	75%	90%
	.12	.14	.16	.16	.2

F99QRS ----- QRS DURATION (SEC)

type: numeric (float)

range: [.04,.16] units: .01  
unique values: 9 coded missing: 2 / 240

mean: .058529  
std. dev: .018256

percentiles:	10%	25%	50%	75%	90%
	.04	.04	.06	.07	.08

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 2**

CSSCD FULL COHORT PATIENTS

F99QT ----- Q-T INTERVAL (SEC)

type: numeric (float)

range: [.08,.48] units: .01  
unique values: 12 coded missing: 2 / 240

mean: .383992  
std. dev: .043994

percentiles: 10% 25% 50% 75% 90%  
                  .32 .36 .4 .4 .44

F99PWAVE ----- P WAVE AXIS

type: numeric (float)

range: [-30,90] units: 1  
unique values: 11 coded missing: 3 / 240

mean: 41.6245  
std. dev: 20.3881

percentiles: 10% 25% 50% 75% 90%  
                  30 30 30 60 60

F99QRSA ----- QRS AXIS

type: numeric (float)

range: [-30,120] units: 1  
unique values: 14 coded missing: 5 / 240

mean: 50.3617  
std. dev: 21.838

percentiles: 10% 25% 50% 75% 90%  
                  30 30 60 60 70

F99RHYT ----- RHYTHM TYPE

type: numeric (float)  
label: F99RHYT

range: [2,8] units: 1  
unique values: 3 coded missing: 3 / 240

tabulation:	Freq.	Numeric	Label
	1	2	JUNCTIONAL
	1	4	VENTRICULAR
	235	8	NORMAL

F99RHYT:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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**CARDIAC EVALUATION (PART 2) - PAGE 2**

CSSCD FULL COHORT PATIENTS

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F99CONT ----- CONDUCTION TYPE

    type: numeric (float)  
    label: F99CONT

    range: [1,512]                                units: 1  
unique values: 2                                coded missing: 3 / 240

    tabulation: Freq.  Numeric  Label  
                  5          1  RBBB  
                 232       512 NORMAL

F99CONT:

1. Binary coded variable. See Part II for explanation of binary coded variables.

---

F99CHT ----- CHAMBER HYPERTROPHY TYPE

    type: numeric (float)  
    label: F99CHT

    range: [2,16]                                units: 1  
unique values: 4                                coded missing: 4 / 240

    tabulation: Freq.  Numeric  Label  
                  90          2  L. VENTRICULAR  
                  3          8  L. ATRIAL  
                  7         10  
                 136       16  NONE

F99CHT:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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**CARDIAC EVALUATION (PART 2) - PAGE 3**

CSSCD FULL COHORT PATIENTS

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F99STS ----- S-T SEGMENT

type: numeric (float)  
label: F99STS

range: [1,2] units: 1  
unique values: 2 coded missing: 2 / 240

tabulation:	Freq.	Numeric	Label
	237	1	NORMAL
	1	2	ABNORMAL

F99STD ----- S-T DEPRESSION (MM)

type: numeric (float)

range: [0,1] units: 1  
unique values: 2 coded missing: 5 / 240

tabulation:	Freq.	Value
	233	0
	2	1

F99STL ----- LEAD OF S-T DEPRESSION

type: numeric (float)  
label: F99STL

range: [4,7168] units: 1  
unique values: 2 coded missing: 238 / 240

tabulation:	Freq.	Numeric	Label
	1	4	III
	1	7168	

F99STL:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99JPD ----- J POINT DEPRESSION

type: numeric (float)  
label: F99JPD

range: [1,1] units: 1  
unique values: 1 coded missing: 2 / 240

tabulation:	Freq.	Numeric	Label
	238	1	NO

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**CARDIAC EVALUATION (PART 2) - PAGE 3**

CSSCD FULL COHORT PATIENTS

F99TINV ----- T WAVE INVERSION

type: numeric (float)  
label: F99TINV

range: [1,2] units: 1  
unique values: 2 coded missing: 2 / 240

tabulation:	Freq.	Numeric	Label
	211	1	NO
	27	2	YES

F99TIL ----- LEAD OF T INVERSION

type: numeric (float)  
label: F99TIL

range: [34,8192] units: 1  
unique values: 15 coded missing: 4 / 240

tabulation:	Freq.	Numeric	Label
	1	34	
	1	192	
	1	452	
	2	4096	V6
	1	4099	
	9	6144	
	2	6176	
	3	7168	
	1	7185	
	2	7206	
	1	7222	
	1	7223	
	1	7424	
	1	7479	
	209	8192	NO

F99TIL:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ECGDX ----- ECG FINAL DIAGNOSIS

type: numeric (float)  
label: F99ECGDX

range: [1,2] units: 1  
unique values: 2 coded missing: 2 / 240

tabulation:	Freq.	Numeric	Label
	114	1	NORMAL
	124	2	ABNORMAL

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 3**

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ECG\_1 ----- ECG DIAGNOSIS 1

type: numeric (float)  
label: ECG\_1

range: [2,29] units: 1  
unique values: 8 coded missing: 116 / 240

tabulation:	Freq.	Numeric	Label
	3	2	LAE
	95	7	LVH
	7	12	ST-T WAVE CHANGES
	6	13	T WAVE CHANGES
	5	16	RBBB
	2	18	PVCS
	4	20	1 DEGREE HEART BLOCK
	2	29	L AXIS DEVIATION

ECG\_1:

1. Computed variable - not in SAS dataset
2. See Section 6.9.2.H for compute instructions
3. Required only if F99ECGDX=2

ECG\_2 ----- ECG DIAGNOSIS 2

type: numeric (float)  
label: ECG\_2, but 2 values are not labeled

range: [0,31] units: 1  
unique values: 8 coded missing: 116 / 240

tabulation:	Freq.	Numeric	Label
	97	0	
	7	2	LAE
	3	7	LVH
	4	12	ST-T WAVE CHANGES
	6	13	T WAVE CHANGES
	2	18	PVCS
	4	20	1 DEGREE HEART BLOCK
	1	31	

ECG\_2:

1. Computed variable - not in SAS dataset
2. See Section 6.9.2.H for compute instructions
3. Required only if F99ECGDX=2

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CARDIAC EVALUATION (PART 2) - PAGE 3

CSSCD FULL COHORT PATIENTS

---

ECG\_3 ----- ECG DIAGNOSIS 3

type: numeric (float)  
label: ECG\_3, but 1 value is not labeled

range: [0,20] units: 1  
unique values: 3 coded missing: 116 / 240

tabulation:	Freq.	Numeric	Label
	122	0	
	1	12	ST-T WAVE CHANGES
	1	20	1 DEGREE HEART BLOCK

ECG\_3:

1. Computed variable - not in SAS dataset
2. See Section 6.9.2.H for compute instructions
3. Required only if F99ECGDX=2

ECG\_4 ----- ECG DIAGNOSIS 4

type: numeric (float)  
label: ECG\_4, but 1 value is not labeled

range: [0,0] units: 0  
unique values: 1 coded missing: 116 / 240

tabulation:	Freq.	Numeric	Label
	124	0	

ECG\_4:

1. Computed variable - not in SAS dataset
2. See Section 6.9.2.H for compute instructions
3. Required only if F99ECGDX=2

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CSSCD FULL COHORT PATIENTS

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F99GNOET ----- EXERCISE TESTING CONTRAINDICATED BY ECG

type: numeric (float)  
label: F99GNOET

range: [1,1] units: 1  
unique values: 1 coded missing: 188 / 240

tabulation: Freq. Numeric Label  
52 1 NO

F99ECHRR ----- ECHO R-R INTERVAL (SEC)

type: numeric (float)

range: [.47,1.4] units: .01  
unique values: 63 coded missing: 22 / 240

mean: .814725  
std. dev: .162518

percentiles: 10% 25% 50% 75% 90%  
.62 .69 .8 .93 1.03



**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 3**

CSSCD FULL COHORT PATIENTS

F99RVED ----- RV END DIASTOLIC DIMENSION (CM)

type: numeric (float)

range: [.6,3.9] units: .1

unique values: 26 coded missing: 110 / 240

mean: 1.80462

std. dev: .58321

percentiles:      10%      25%      50%      75%      90%

                  1.05      1.4      1.8      2.1      2.6

F99RVWD ----- RV WALL THICKNESS, END DIASTOLE (CM)

type: numeric (float)

range: [.2,.8] units: .1

unique values: 7 coded missing: 171 / 240

mean: .444928

std. dev: .126649

percentiles:      10%      25%      50%      75%      90%

                  .3      .4      .4      .5      .6

F99RVWS ----- RV WALL THICKNESS, END SYSTOLE (CM)

type: numeric (float)

range: [.3,1.2] units: .1

unique values: 10 coded missing: 175 / 240

mean: .726154

std. dev: .194677

percentiles:      10%      25%      50%      75%      90%

                  .5      .6      .7      .8      1

F99LVED ----- LV END DIASTOLIC DIMENSION (CM)

type: numeric (float)

range: [3.4,7.2] units: .1

unique values: 35 coded missing: 20 / 240

mean: 5.06273

std. dev: .733959

percentiles:      10%      25%      50%      75%      90%

                  4.05      4.6      5      5.6      6

CODEBOOK FOR CSSCD FORM 99  
CARDIAC EVALUATION (PART 2) - PAGE 3

CSSCD FULL COHORT PATIENTS

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F99LVES ----- LV END SYSTOLIC DIMENSION (CM)

type: numeric (float)

range: [2,5.4] units: .1  
unique values: 28 coded missing: 22 / 240

mean: 3.29954  
std. dev: .543796

percentiles: 10% 25% 50% 75% 90%  
2.7 3 3.2 3.6 4

F99LVWS ----- LV WALL THICKNESS, END SYSTOLE (CM)

type: numeric (float)

range: [.7,2.3] units: .1  
unique values: 17 coded missing: 25 / 240

mean: 1.45256  
std. dev: .323937

percentiles: 10% 25% 50% 75% 90%  
1.1 1.2 1.4 1.7 1.8

F99LVWD ----- LV WALL THICKNESS, END DIASTOLE (CM)

type: numeric (float)

range: [.3,1.8] units: .1  
unique values: 16 coded missing: 20 / 240

mean: .95  
std. dev: .272231

percentiles: 10% 25% 50% 75% 90%  
.6 .8 1 1.1 1.3

F99VSS ----- VENTRICULAR SEPTAL THICKNESS,

type: numeric (float)

range: [.9,2.8] units: .1  
unique values: 16 coded missing: 33 / 240

mean: 1.48116  
std. dev: .337441

percentiles: 10% 25% 50% 75% 90%  
1.1 1.2 1.4 1.7 2

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 3**

CSSCD FULL COHORT PATIENTS

F99VSD ----- VENTRICULAR SEPTAL THICKNESS,

type: numeric (float)

range: [.1,2.9] units: .1

unique values: 20 coded missing: 33 / 240

mean: 1.15411

std. dev: .353169

percentiles:      10%      25%      50%      75%      90%

                  .8        .9        1.1      1.3      1.6

F99LAS ----- LEFT ATRIUM DIMENSION, END SYSTOLE (CM)

type: numeric (float)

range: [2.4,5.4] units: .1

unique values: 28 coded missing: 25 / 240

mean: 3.77907

std. dev: .542561

percentiles:      10%      25%      50%      75%      90%

                  3.1      3.4      3.8      4.1      4.5

F99ARD ----- AORTIC ROOT DIMENSION, END DIASTOLE (CM)

type: numeric (float)

range: [1.6,7.9] units: .1

unique values: 25 coded missing: 24 / 240

mean: 2.7412

std. dev: .627299

percentiles:      10%      25%      50%      75%      90%

                  2.1      2.5      2.7      3        3.2

F99EP ----- E POINT SEPARATION (CM)

type: numeric (float)

range: [.1,6] units: .1

unique values: 19 coded missing: 29 / 240

mean: .969668

std. dev: .485435

percentiles:      10%      25%      50%      75%      90%

                  .5        .7        .9        1.2      1.4

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 3**

CSSCD FULL COHORT PATIENTS

F99RVPE ----- RV PRE-EJECTION TIME (SEC)

type: numeric (float)

range: [.025,.96] units: .001  
unique values: 46 coded missing: 82 / 240

mean: .174222  
std. dev: .224081

percentiles:	10%	25%	50%	75%	90%
	.07	.075	.09	.11	.6

F99RVET ----- RV EJECTION TIME (SEC)

type: numeric (float)

range: [.165,.79] units: .001  
unique values: 60 coded missing: 114 / 240

mean: .366762  
std. dev: .084159

percentiles:	10%	25%	50%	75%	90%
	.275	.315	.36	.41	.457

F99LVPE ----- LV PRE-EJECTION TIME (SEC)

type: numeric (float)

range: [.045,.95] units: .001  
unique values: 45 coded missing: 76 / 240

mean: .175091  
std. dev: .236895

percentiles:	10%	25%	50%	75%	90%
	.07	.08	.0905	.107	.6

F99LVET ----- LV EJECTION TIME (SEC)

type: numeric (float)

range: [.09,.524] units: .001  
unique values: 59 coded missing: 80 / 240

mean: .3158  
std. dev: .059886

percentiles:	10%	25%	50%	75%	90%
	.26	.29	.31	.3375	.3775

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 4**

CSSCD FULL COHORT PATIENTS

F99DC ----- DIASTOLIC CLOSURE (MM PER SEC)

type: numeric (float)

range: [52,243] units: 1  
unique values: 97 coded missing: 40 / 240

mean: 116.645  
std. dev: 35.7182

percentiles: 10% 25% 50% 75% 90%  
75 92 110 137 160

F99SM ----- SEPTAL MOTION

type: numeric (float)  
label: F99SM

range: [1,3] units: 1  
unique values: 3 coded missing: 27 / 240

tabulation: Freq. Numeric Label

204	1	NORMAL
8	2	FLAT
1	3	PARADOXICAL

F99PEF ----- PERICARDIAL EFFUSION

type: numeric (float)  
label: F99PEF

range: [1,2] units: 1  
unique values: 2 coded missing: 23 / 240

tabulation: Freq. Numeric Label

198	1	NO
19	2	YES

F99ECHDX ----- ECHO FINAL DIAGNOSIS

type: numeric (float)  
label: F99ECHDX

range: [1,2] units: 1  
unique values: 2 coded missing: 19 / 240

tabulation: Freq. Numeric Label

58	1	NORMAL
163	2	ABNORMAL

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 4**

CSSCD FULL COHORT PATIENTS

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ECHO\_1 ----- ECHO DIAGNOSIS 1

type: numeric (float)  
label: ECHO\_1, but 1 value is not labeled

range: [2,99] units: 1  
unique values: 16 coded missing: 75 / 240

tabulation:	Freq.	Numeric	Label
	7	2	LAE
	1	3	I LA-AO
	18	4	LV DILATATION
	22	5	I LVEDD
	1	6	PROLONGED LVET
	33	7	LVH
	7	8	D LVPEP-LVET
	1	9	FLAT SEPTAL MOTION
	6	10	PERICARDIAL EFF
	11	11	SEPTAL HYPERTROPHY
	1	12	ST-T WAVE CHANGES
	50	14	LVE
	2	21	RVH
	1	26	I RVEDD
	1	32	
	3	99	INCOMPLETE STUDY

ECHO\_1:

1. Computed variable - not in SAS dataset
2. See Section 6.9.2.H for compute instructions
3. Required only if F99ECHDX=2

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 4**

CSSCD FULL COHORT PATIENTS

---

ECHO\_2 ----- ECHO DIAGNOSIS 2

type: numeric (float)  
label: ECHO\_2, but 1 value is not labeled

range: [0,25] units: 1  
unique values: 19 coded missing: 75 / 240

tabulation:	Freq.	Numeric	Label
	62	0	
	2	1	LAD
	31	2	LAE
	1	3	I LA-AO
	6	4	LV DILATATION
	5	5	I LVEDD
	2	6	PROLONGED LVET
	17	7	LVH
	4	8	D LVPEP-LVET
	2	9	FLAT SEPTAL MOTION
	1	10	PERICARDIAL EFF
	12	11	SEPTAL HYPERTROPHY
	10	14	LVE
	2	15	? SUBAORTIC STENOSIS
	4	17	LV SYSTOLIC DYSFUNCT
	1	19	? NO IHSS
	1	21	RVH
	1	24	FINE FLUTTER AO V
	1	25	COARSE FLUTTER AO V

ECHO\_2:

1. Computed variable - not in SAS dataset
2. See Section 6.9.2.H for compute instructions
3. Required only if F99ECHDX=2

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 4**

CSSCD FULL COHORT PATIENTS

ECHO\_3 ----- ECHO DIAGNOSIS 3

type: numeric (float)  
label: ECHO\_3, but 1 value is not labeled

range: [0,98] units: 1  
unique values: 17 coded missing: 75 / 240

tabulation:	Freq.	Numeric	Label
	118	0	
	2	1	LAD
	14	2	LAE
	1	4	LV DILATATION
	1	5	I LVEDD
	6	7	LVH
	4	8	D LVPEP-LVET
	2	10	PERICARDIAL EFF
	7	11	SEPTAL HYPERTROPHY
	3	14	LVE
	1	18	PVCS
	1	22	ABN. SYST. TIME INT.
	1	23	I RVET
	1	24	FINE FLUTTER AO V
	1	27	MULT AO V ECHOES
	1	28	AORTIC DILATATION
	1	98	CANT READ

ECHO\_3:

1. Computed variable - not in SAS dataset
2. See Section 6.9.2.H for compute instructions
3. Required only if F99ECHDX=2

ECHO\_4 ----- ECHO DIAGNOSIS 4

type: numeric (float)  
label: ECHO\_4, but 1 value is not labeled

range: [0,21] units: 1  
unique values: 9 coded missing: 75 / 240

tabulation:	Freq.	Numeric	Label
	154	0	
	1	1	LAD
	1	2	LAE
	1	4	LV DILATATION
	1	5	I LVEDD
	4	10	PERICARDIAL EFF
	1	17	LV SYSTOLIC DYSFUNCT
	1	18	PVCS
	1	21	RVH

ECHO\_4:

1. Computed variable - not in SAS dataset
2. See Section 6.9.2.H for compute instructions
3. Required only if F99ECHDX=2



**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 4**

CSSCD FULL COHORT PATIENTS

F99ENOET ----- EXERCISE TESTING CONTRAINDICATED BY ECHO

type: numeric (float)

label: F99ENOET

range: [1,2]

units: 1

unique values: 2

coded missing: 117 / 240

tabulation:	Freq.	Numeric	Label
	122	1	NO
	1	2	YES

F99CHX ----- CHEST X-RAY DONE

type: numeric (float)

label: F99CHX

range: [1,2]

units: 1

unique values: 2

coded missing: 85 / 240

tabulation:	Freq.	Numeric	Label
	36	1	NOT DONE
	119	2	DONE

F99XCARD ----- CARDIOMEGALY ON X-RAY

type: numeric (float)

label: F99XCARD

range: [1,2]

units: 1

unique values: 2

coded missing: 60 / 240

tabulation:	Freq.	Numeric	Label
	116	1	YES
	64	2	NO

F99CTR ----- C-T RATIO

type: numeric (float)

range: [.41,.75]

units: .01

unique values: 28

coded missing: 58 / 240

mean: .559396

std. dev: .055674

percentiles:	10%	25%	50%	75%	90%
	.5	.52	.55	.6	.63

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION (PART 2) - PAGE 5**  
CSSCD FULL COHORT PATIENTS

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**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**

CSSCD FULL COHORT PATIENTS

F99CBCDO ----- CBC DONE

type: numeric (float)  
label: F99CBCDO

range: [1,1] units: 1  
unique values: 1 coded missing: 238 / 240

tabulation:	Freq.	Numeric	Label	
	2	1	DONE	

F99HGB ----- HEMOGLOBIN (GM PER DL)

type: numeric (float)

range: [5.2,12] units: .1  
unique values: 53 coded missing: 14 / 240

mean: 8.39646  
std. dev: 1.28623

percentiles:	10%	25%	50%	75%	90%
	6.8	7.5	8.2	9.3	10.2

F99HCT ----- HEMATOCRIT (%)

type: numeric (float)

range: [15.8,37.5] units: .1  
unique values: 122 coded missing: 13 / 240

mean: 24.5678  
std. dev: 4.12379

percentiles:	10%	25%	50%	75%	90%
	19.5	21.2	24.5	27.4	30.2

F99RBC ----- RBC (X 10 TO THE 12TH PER LITER)

type: numeric (float)

range: [1.26,5.19] units: .01  
unique values: 126 coded missing: 30 / 240

mean: 2.67543  
std. dev: .594535

percentiles:	10%	25%	50%	75%	90%
	2.03	2.29	2.62	2.98	3.385

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**

CSSCD FULL COHORT PATIENTS

F99WBC ----- WBC (X 10 TO THE 9TH PER LITER)

type: numeric (float)

range: [3.2,28.8] units: .1  
unique values: 92 coded missing: 37 / 240

mean: 11.6655  
std. dev: 3.48939

percentiles: 10% 25% 50% 75% 90%  
7.9 9 11.4 13.6 15.9

F99MCV ----- MCV (FL)

type: numeric (float)

range: [65,955] units: 1  
unique values: 46 coded missing: 32 / 240

mean: 96.5385  
std. dev: 60.6376

percentiles: 10% 25% 50% 75% 90%  
78 86.5 92 99 105

F99HEDO ----- HGB ELECTROPHORESIS DONE

type: numeric (float)  
label: F99HEDO

range: [1,3] units: 1  
unique values: 3 coded missing: 162 / 240

tabulation: Freq. Numeric Label  
56 1 DONE  
1 2 NOT DONE, NO REASON GIVEN  
21 3 NOT DONE, REASON GIVEN

F99HBS ----- HEMOGLOBIN S (%)

type: numeric (float)

range: [51,99] units: 1  
unique values: 27 coded missing: 161 / 240

mean: 88.1646  
std. dev: 11.1429

percentiles: 10% 25% 50% 75% 90%  
76 82 92 99 99

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**  
 CSSCD FULL COHORT PATIENTS

F99HBA ----- HEMOGLOBIN A (%)

```

type: numeric (float)

range: [0,90] units: 1
unique values: 10 coded missing: 182 / 240

mean: 5.01724
std. dev: 14.8519

percentiles:      10%      25%      50%      75%      90%
                  0        0        0        2        11
  
```

\_dta:

1. Created 11/09/99.

T. List of variables deleted **F97INIT F97NDATE F97LASTU F97LASTE F97ESTAT F97VDATE F97DATE F97DFC F97FCB F99ETDT**

U. List of variables modified **NONE**

V. List of variables modified with a name change **NONE**

W. Old name

X. New name

Y. List of variables modified date to days since DOE

Z. Old name **F97DATE F99ETDT**

AA. New name **JF97DATE JF99ETDT**

BB.

CC. Collection Information:

**Form 99 (Cardiac Evaluation Form – Part 2: Exercise Testing Section)** was to be completed for HbSS patients  $\geq 10$  years of age who participated in the cardiac ancillary study (see Sections 6.9.1 and 6.9.2). Exercise ECG strips, along with Form 99, were forwarded to cardiology consultants at Yale for interpretation. The first evaluation was done in 1982 and 1983. A repeat evaluation was required between 1986 and 1988. Only baseline results are in the dataset. The second set of Form 99s was not received at the SCC prior to the end of Phase 1.

DD. Data Collection Period: 02/82-06/88

EE. Form Version Dates: 08/25/82

FF. Files Used to Store Information:

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**  
 CSSCD FULL COHORT PATIENTS

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SAS System Files: **R97.SD2**

Format Files: **R97.FMT**

GG. Unique Record Identifiers: **ANONID, F97CYCLE**

Records within the dataset are sorted by **ANONID** and **F97CYCLE**

HH. Number of Observations (Patients) in SAS Dataset: 178 (178)

II. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 1-9
- Listing of Variables by Position: See pp. 10-18

JJ. Notes About Selected Variables: None

KK. Computed Variables: None

LL. Inter-Relationship With Other Datasets:

Data relevant to cardiac function were also collected on

<b>Phase 1 Forms</b>	<b>SAS Dataset</b>	<b>See Section</b>
Form 98	<b>R98.SD2</b>	6.9.1
Form 99	<b>R99.SD2</b>	6.9.2
Form 11	<b>R1121.SD2</b>	4.3
Forms 17, 19, 20, 21, 24	<b>R1722.SD2</b>	4.5
Form 25	<b>R25.SD2</b>	4.6
Form 94	<b>R94.SD2</b>	6.8.1
Form 26	<b>R20.SD2</b>	10.1
"Roster"	<b>R09.SD2</b>	1.0 (variable: <b>CARDSTAT</b> )

CONTENTS OF SAS DATASET: R99.SD2

DATA FROM CSSCD FORM 99 - CARDIAC EVALUATION - PART II (LABORATORY)  
 VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION  
 IN THE SAS DATASET AND ON FORM 99

The SAS System 13:42 Thursday, November 9, 2006 13

The CONTENTS Procedure

Data Set Name	OUT1.R97	Observations	178
Member Type	DATA	Variables	351
Engine	V9	Indexes	0
Created	15:08 Monday, November 6, 2006	Observation Length	2808
Last Modified	15:08 Monday, November 6, 2006	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**

CSSCD FULL COHORT PATIENTS

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	39
First Data Page	3
Max Obs per Page	5
Obs in First Data Page	1
Number of Data Set Repairs	0
File Name	r97.sas7bdat
Release Created	9.0000M0
Host Created	XP_PRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
2	F97CYCLE	Num	8	CYCLE NUMBER OF VISIT
51	F99AHR1	Num	8	STAGE I NI AVERAGE HEART RATE
93	F99AHR2	Num	8	STAGE II NI AVERAGE HEART RATE
135	F99AHR3	Num	8	STAGE III NI AVERAGE HEART RATE
177	F99AHR4	Num	8	STAGE IV NI AVERAGE HEART RATE
219	F99AHR5	Num	8	STAGE V NI AVERAGE HEART RATE
23	F99AHRB	Num	8	PRE-EXER. NI AVERAGE HEART RATE
56	F99AIW1	Num	8	STAGE I APICAL-INFERIOR WALL MOTION
98	F99AIW2	Num	8	STAGE II APICAL-INFERIOR WALL MOTION
140	F99AIW3	Num	8	STAGE III APICAL-INFERIOR WALL MOTION
182	F99AIW4	Num	8	STAGE IV APICAL-INFERIOR WALL MOTION
224	F99AIW5	Num	8	STAGE V APICAL-INFERIOR WALL MOTION
28	F99AIWB	Num	8	PRE-EXERCISE APICAL-INFERIOR WALL MOTION
52	F99ALW1	Num	8	STAGE I ANTEROLATERAL WALL MOTION
94	F99ALW2	Num	8	STAGE II ANTEROLATERAL WALL MOTION
136	F99ALW3	Num	8	STAGE III ANTEROLATERAL WALL MOTION
178	F99ALW4	Num	8	STAGE IV ANTEROLATERAL WALL MOTION
220	F99ALW5	Num	8	STAGE V ANTEROLATERAL WALL MOTION
24	F99ALWB	Num	8	PRE-EXERCISE ANTEROLATERAL WALL MOTION
53	F99APW1	Num	8	STAGE I APICAL WALL MOTION
95	F99APW2	Num	8	STAGE II APICAL WALL MOTION
137	F99APW3	Num	8	STAGE III APICAL WALL MOTION
179	F99APW4	Num	8	STAGE IV APICAL WALL MOTION
221	F99APW5	Num	8	STAGE V APICAL WALL MOTION
25	F99APWB	Num	8	PRE-EXERCISE APICAL WALL MOTION
64	F99ARR11	Num	8	STAGE I ARRHYTHMIA AT ONE MINUTE
65	F99ARR12	Num	8	STAGE I ARRHYTHMIA AT TWO MINUTES
66	F99ARR13	Num	8	STAGE I ARRHYTHMIA AT THREE MINUTES
106	F99ARR21	Num	8	STAGE II ARRHYTHMIA AT ONE MINUTE
107	F99ARR22	Num	8	STAGE II ARRHYTHMIA AT TWO MINUTES
108	F99ARR23	Num	8	STAGE II ARRHYTHMIA AT THREE MINUTES
148	F99ARR31	Num	8	STAGE III ARRHYTHMIA AT ONE MINUTE
149	F99ARR32	Num	8	STAGE III ARRHYTHMIA AT TWO MINUTES
150	F99ARR33	Num	8	STAGE III ARRHYTHMIA AT THREE MINUTES
190	F99ARR41	Num	8	STAGE IV ARRHYTHMIA AT ONE MINUTE
191	F99ARR42	Num	8	STAGE IV ARRHYTHMIA AT TWO MINUTES
192	F99ARR43	Num	8	STAGE IV ARRHYTHMIA AT THREE MINUTES
232	F99ARR51	Num	8	STAGE V ARRHYTHMIA AT ONE MINUTE

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**

CSSCD FULL COHORT PATIENTS

233	F99ARR52	Num	8	STAGE V ARRHYTHMIA AT TWO MINUTES
234	F99ARR53	Num	8	STAGE V ARRHYTHMIA AT THREE MINUTES
32	F99ARRB	Num	8	PRE-EXERCISE ARRHYTHMIA
39	F99BEG1	Num	8	STAGE I START TIME
81	F99BEG2	Num	8	STAGE II START TIME
123	F99BEG3	Num	8	STAGE III START TIME
165	F99BEG4	Num	8	STAGE IV START TIME
207	F99BEG5	Num	8	STAGE V START TIME
247	F99BEGR	Num	8	RECOVERY START TIME
37	F99BNOET	Num	8	EXERCISE TESTING CONTRAINDICATED
33	F99CONTB	Num	8	PRE-EXERCISE CONDUCTION TYPE
67	F99COT11	Num	8	STAGE I CONDUCTION TYPE AT ONE MINUTE
68	F99COT12	Num	8	STAGE I CONDUCTION TYPE AT TWO MINUTES
69	F99COT13	Num	8	STAGE I CONDUCTION TYPE AT THREE MINUTES
109	F99COT21	Num	8	STAGE II CONDUCTION TYPE AT ONE MINUTE
110	F99COT22	Num	8	STAGE II CONDUCTION TYPE AT TWO MINUTES
111	F99COT23	Num	8	STAGE II CONDUCTION TYPE AT 3 MINUTES
151	F99COT31	Num	8	STAGE III CONDUCTION TYPE AT 1 MIN.
152	F99COT32	Num	8	STAGE III CONDUCTION TYPE AT 2 MIN.
153	F99COT33	Num	8	STAGE III CONDUCTION TYPE AT 3 MIN.
193	F99COT41	Num	8	STAGE IV CONDUCTION TYPE AT 1 MIN.
194	F99COT42	Num	8	STAGE IV CONDUCTION TYPE AT 2 MIN.
195	F99COT43	Num	8	STAGE IV CONDUCTION TYPE AT 3 MIN.
235	F99COT51	Num	8	STAGE V CONDUCTION TYPE AT 1 MIN.
236	F99COT52	Num	8	STAGE V CONDUCTION TYPE AT 2 MIN.
237	F99COT53	Num	8	STAGE V CONDUCTION TYPE AT 3 MIN.
300	F99DUREX	Num	8	TOTAL DURATION OF EXERCISE (MINUTES)
346	F99E125	Num	8	COMPLETED 125% OF PREDICTED MAX WORKLOAD
316	F99ECP	Num	8	CHEST PAIN
318	F99ECPM	Num	8	MINUTE OF CHEST PAIN
317	F99ECPS	Num	8	STAGE OF CHEST PAIN
310	F99EDIZ	Num	8	DIZZINESS
312	F99EDIZM	Num	8	MINUTE OF DIZZINESS
311	F99EDIZS	Num	8	STAGE OF DIZZINESS
343	F99EECG	Num	8	FAILURE OF ECG SYSTEM
345	F99EECGM	Num	8	MINUTE OF ECG SYSTEM FAILURE
344	F99EECGS	Num	8	STAGE OF ECG SYSTEM FAILURE
307	F99EHR	Num	8	HEART RATE > 210 BEATS PER MIN.
309	F99EHRM	Num	8	MINUTE OF HEART RATE > 210 BEATS
308	F99EHRS	Num	8	STAGE OF HEART RATE > 210 BEATS
328	F99EHSP	Num	8	BPS > 220
330	F99EHSPM	Num	8	MINUTE BPS > 220
329	F99EHSPS	Num	8	STAGE BPS > 220
304	F99EME	Num	8	MARKED EXHAUSTION
306	F99EMEM	Num	8	MINUTE OF MARKED EXHAUSTION
305	F99EMES	Num	8	STAGE OF MARKED EXHAUSTION
340	F99EMPC	Num	8	MULTIFOCAL PVCs
342	F99EMPCM	Num	8	MINUTE OF MULTIFOCAL PVCs
341	F99EMPCS	Num	8	STAGE OF MULTIFOCAL PVCs
79	F99END1	Num	8	EXERCISE TESTING STOPPED AT STAGE I
121	F99END2	Num	8	EXERCISE TESTING STOPPED AT STAGE II
163	F99END3	Num	8	EXERCISE TESTING STOPPED AT STAGE III
205	F99END4	Num	8	EXERCISE TESTING STOPPED AT STAGE IV
248	F99ENDR	Num	8	RECOVERY STOP TIME
347	F99EOTH	Num	8	OTHER REASON FOR STOPPING
349	F99EOTHM	Num	8	MINUTE STOPPED FOR OTHER REASON

SECTION 6.9.3 CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION

FORM 99



**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**

CSSCD FULL COHORT PATIENTS

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348	F99EOTHS	Num	8	STAGE STOPPED FOR OTHER REASON
322	F99EPF1	Num	8	FALL IN BPS > 10 MM FROM PREVIOUS
325	F99EPF2	Num	8	FALL IN BPS BELOW RESTING LEVEL
324	F99EPF1M	Num	8	MINUTE BPS FELL > 10 MM
323	F99EPF1S	Num	8	STAGE BPS FELL > 10 MM
327	F99EPF2M	Num	8	MINUTE BPS FELL BELOW RESTING LEVEL
326	F99EPF2S	Num	8	STAGE BPS FELL BELOW RESTING LEVEL
319	F99ESTD	Num	8	S-T DEPRESSION > 2 MM
321	F99ESTDM	Num	8	MINUTE OF S-T DEPRESSION > 2 MM
320	F99ESTDS	Num	8	STAGE OF S-T DEPRESSION > 2 MM
331	F99ESVT	Num	8	SUPRAVENTRICULAR TACHYCARDIA
333	F99ESVTM	Num	8	MINUTE SUPRAVENTRICULAR TACHYCARDIA
332	F99ESVTS	Num	8	STAGE SUPRAVENTRICULAR TACHYCARDIA
313	F99ESYN	Num	8	SYNCOPE
315	F99ESYNM	Num	8	MINUTE OF SYNCOPE
314	F99ESYNS	Num	8	STAGE OF SYNCOPE
337	F99EUPC	Num	8	UNIFOCAL PVCs > 25% OF RESTING HR
339	F99EUPCM	Num	8	MINUTE OF UNIFOCAL PVCs
338	F99EUPCS	Num	8	STAGE OF UNIFOCAL PVCs
334	F99EVT	Num	8	VENTRICULAR TACHYCARDIA
336	F99EVTM	Num	8	MINUTE VENTRICULAR TACHYCARDIA
335	F99EVTS	Num	8	STAGE VENTRICULAR TACHYCARDIA
58	F99HR11	Num	8	STAGE I HEART RATE (BEATS PER MIN) AT 1M
59	F99HR12	Num	8	STAGE I HEART RATE (BEATS PER MIN) AT 2M
60	F99HR13	Num	8	STAGE I HEART RATE (BEATS PER MIN) AT 3M
100	F99HR21	Num	8	STAGE II HEART RATE (BEATS PER MIN) - 1M
101	F99HR22	Num	8	STAGE II HEART RATE (BEATS PER MIN) - 2M
102	F99HR23	Num	8	STAGE II HEART RATE (BEATS PER MIN) - 3M
142	F99HR31	Num	8	STAGE III HEART RATE AT 1 MIN.
143	F99HR32	Num	8	STAGE III HEART RATE AT 2 MIN.
144	F99HR33	Num	8	STAGE III HEART RATE AT 3 MIN.
184	F99HR41	Num	8	STAGE IV HEART RATE AT 1 MIN.
185	F99HR42	Num	8	STAGE IV HEART RATE AT 2 MIN.
186	F99HR43	Num	8	STAGE IV HEART RATE AT 3 MIN.
226	F99HR51	Num	8	STAGE V HEART RATE AT 1 MIN.
227	F99HR52	Num	8	STAGE V HEART RATE AT 2 MIN.

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**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**  
 CSSCD FULL COHORT PATIENTS

The SAS System

13:42 Thursday, November 9, 2006 16

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
228	F99HR53	Num	8	STAGE V HEART RATE AT 3 MIN.
30	F99HRB	Num	8	PRE-EXER. HEART RATE (BEATS PER MIN)
54	F99IW1	Num	8	STAGE I INFERIOR WALL MOTION
96	F99IW2	Num	8	STAGE II INFERIOR WALL MOTION
138	F99IW3	Num	8	STAGE III INFERIOR WALL MOTION
180	F99IW4	Num	8	STAGE IV INFERIOR WALL MOTION
222	F99IW5	Num	8	STAGE V INFERIOR WALL MOTION
26	F99IWB	Num	8	PRE-EXERCISE INFERIOR WALL MOTION
73	F99JPD11	Num	8	STAGE I J POINT DEPRESSION AT 1 MIN.
74	F99JPD12	Num	8	STAGE I J POINT DEPRESSION AT 2 MIN.
75	F99JPD13	Num	8	STAGE I J POINT DEPRESSION AT 3 MIN.
115	F99JPD21	Num	8	STAGE II J POINT DEPRESSION AT 1 MIN.
116	F99JPD22	Num	8	STAGE II J POINT DEPRESSION AT 2 MIN.
117	F99JPD23	Num	8	STAGE II J POINT DEPRESSION AT 3 MIN.
157	F99JPD31	Num	8	STAGE III J POINT DEPRESSION AT 1 MIN.
158	F99JPD32	Num	8	STAGE III J POINT DEPRESSION AT 2 MIN.
159	F99JPD33	Num	8	STAGE III J POINT DEPRESSION AT 3 MIN.
199	F99JPD41	Num	8	STAGE IV J POINT DEPRESSION AT 1 MIN.
200	F99JPD42	Num	8	STAGE IV J POINT DEPRESSION AT 2 MIN.
201	F99JPD43	Num	8	STAGE IV J POINT DEPRESSION AT 3 MIN.
241	F99JPD51	Num	8	STAGE V J POINT DEPRESSION AT 1 MIN.
242	F99JPD52	Num	8	STAGE V J POINT DEPRESSION AT 2 MIN.
243	F99JPD53	Num	8	STAGE V J POINT DEPRESSION AT 3 MIN.
35	F99JPDB	Num	8	PRE-EXERCISE JP DEPRESSION
301	F99MAXST	Num	8	MAXIMUM STAGE COMPLETED
47	F99MET1	Num	8	STAGE I METS
89	F99MET2	Num	8	STAGE II METS
131	F99MET3	Num	8	STAGE III METS
173	F99MET4	Num	8	STAGE IV METS
215	F99MET5	Num	8	STAGE V METS
19	F99METB	Num	8	PRE-EXERCISE METS
43	F99MV1	Num	8	STAGE I MINUTE VENTILATION
85	F99MV2	Num	8	STAGE II MINUTE VENTILATION
127	F99MV3	Num	8	STAGE III MINUTE VENTILATION
169	F99MV4	Num	8	STAGE IV MINUTE VENTILATION
211	F99MV5	Num	8	STAGE V MINUTE VENTILATION
15	F99MVB	Num	8	PRE-EXER. MINUTE VENTILATION
3	F99MXWLP	Num	8	PREDICTED MAXIMUM WORKLOAD
49	F99NI1	Num	8	STAGE I NUCLIDE IMAGING DONE
91	F99NI2	Num	8	STAGE II NUCLIDE IMAGING DONE
133	F99NI3	Num	8	STAGE III NUCLIDE IMAGING DONE
175	F99NI4	Num	8	STAGE IV NUCLIDE IMAGING DONE
217	F99NI5	Num	8	STAGE V NUCLIDE IMAGING DONE
21	F99NIB	Num	8	PRE-EXERCISE NUCLIDE IMAGING DONE
13	F99OCOM	Num	8	METHOD OF OXYGEN CONSUMPTION TESTING
41	F99P1D	Num	8	STAGE I DIASTOLIC BLOOD PRESSURE
40	F99P1S	Num	8	STAGE I SYSTOLIC BLOOD PRESSURE

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83	F99P2D	Num	8	STAGE II DIASTOLIC BLOOD PRESSURE
82	F99P2S	Num	8	STAGE II SYSTOLIC BLOOD PRESSURE
125	F99P3D	Num	8	STAGE III DIASTOLIC BLOOD PRESSURE
124	F99P3S	Num	8	STAGE III SYSTOLIC BLOOD PRESSURE
167	F99P4D	Num	8	STAGE IV DIASTOLIC BLOOD PRESSURE
166	F99P4S	Num	8	STAGE IV SYSTOLIC BLOOD PRESSURE
209	F99P5D	Num	8	STAGE V DIASTOLIC BLOOD PRESSURE
208	F99P5S	Num	8	STAGE V SYSTOLIC BLOOD PRESSURE
5	F99PB1D4	Num	8	PRE-EXER. BPD - R1, 4TH PHASE
6	F99PB1D5	Num	8	PRE-EXER. BPD - R1, 5TH PHASE
4	F99PB1S	Num	8	PRE-EXER. BPS - R1, 1ST PHASE
8	F99PB2D4	Num	8	PRE-EXER. BPD - R2, 4TH PHASE
9	F99PB2D5	Num	8	PRE-EXER. BPD - R2, 5TH PHASE
7	F99PB2S	Num	8	PRE-EXER. BPS - R2, 1ST PHASE
11	F99PB3D4	Num	8	PRE-EXER. BPD - R3, 4TH PHASE
12	F99PB3D5	Num	8	PRE-EXER. BPD - R3, 5TH PHASE
10	F99PB3S	Num	8	PRE-EXER. BPS - R3, 1ST PHASE
302	F99PCT	Num	8	PCT OF PREDICTED MAX WORKLOAD COMPLETED
57	F99PLW1	Num	8	STAGE I POSTERIOR-LATERAL WALL MOTION
99	F99PLW2	Num	8	STAGE II POSTERIOR-LATERAL WALL MOTION
141	F99PLW3	Num	8	STAGE III POSTERIOR-LATERAL WALL MOTION
183	F99PLW4	Num	8	STAGE IV POSTERIOR-LATERAL WALL MOTION
225	F99PLW5	Num	8	STAGE V POSTERIOR-LATERAL WALL MOTION
29	F99PLWB	Num	8	PRE-EXER. POSTERIOR-LATERAL WALL MOTION
272	F99RAHR1	Num	8	RECOV 5M NI AVERAGE HEART RATE
273	F99RAHR2	Num	8	RECOV 10M NI AVERAGE HEART RATE
282	F99RAIW1	Num	8	RECOV 5M APICAL-INFERIOR WALL MOTION
283	F99RAIW2	Num	8	RECOV 10M APICAL-INFERIOR WALL MOTION
274	F99RALW1	Num	8	RECOV 5M ANTEROLATERAL WALL MOTION
275	F99RALW2	Num	8	RECOV 10M ANTEROLATERAL WALL MOTION
276	F99RAPW1	Num	8	RECOV 5M APICAL WALL MOTION
277	F99RAPW2	Num	8	RECOV 10M APICAL WALL MOTION
290	F99RARR1	Num	8	RECOV 5M ARRHYTHMIA
291	F99RARR2	Num	8	RECOV 10M ARRHYTHMIA
292	F99RCOT1	Num	8	RECOV 5M CONDUCTION TYPE
293	F99RCOT2	Num	8	RECOV 10M CONDUCTION TYPE
48	F99RER1	Num	8	STAGE I RER
90	F99RER2	Num	8	STAGE II RER
132	F99RER3	Num	8	STAGE III RER
174	F99RER4	Num	8	STAGE IV RER
216	F99RER5	Num	8	STAGE V RER
20	F99RERB	Num	8	PRE-EXERCISE RER
286	F99RHR1	Num	8	RECOV 5M HEART RATE (BEATS PER MINUTE)
287	F99RHR2	Num	8	RECOV 10M HEART RATE (BEATS PER MINUTE)
61	F99RHT11	Num	8	STAGE I RHYTHM TYPE AT ONE MINUTE
62	F99RHT12	Num	8	STAGE I RHYTHM TYPE AT TWO MINUTES
63	F99RHT13	Num	8	STAGE I RHYTHM TYPE AT THREE MINUTES
103	F99RHT21	Num	8	STAGE II RHYTHM TYPE AT ONE MINUTE
104	F99RHT22	Num	8	STAGE II RHYTHM TYPE AT TWO MINUTES
105	F99RHT23	Num	8	STAGE II RHYTHM TYPE AT THREE MINUTES
145	F99RHT31	Num	8	STAGE III RHYTHM TYPE AT ONE MINUTE
146	F99RHT32	Num	8	STAGE III RHYTHM TYPE AT TWO MINUTES
147	F99RHT33	Num	8	STAGE III RHYTHM TYPE AT THREE MINUTES
187	F99RHT41	Num	8	STAGE IV RHYTHM TYPE AT ONE MINUTE
188	F99RHT42	Num	8	STAGE IV RHYTHM TYPE AT TWO MINUTES
189	F99RHT43	Num	8	STAGE IV RHYTHM TYPE AT THREE MINUTES

SECTION 6.9.3 CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION

FORM 99

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**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**

CSSCD FULL COHORT PATIENTS

229	F99RHT51	Num	8	STAGE V RHYTHM TYPE AT ONE MINUTE
230	F99RHT52	Num	8	STAGE V RHYTHM TYPE AT TWO MINUTES
231	F99RHT53	Num	8	STAGE V RHYTHM TYPE AT THREE MINUTES
31	F99RHYTB	Num	8	PRE-EXER. RHYTHM TYPE
278	F99RIW1	Num	8	RECOV 5M INFERIOR WALL MOTION
279	F99RIW2	Num	8	RECOV 10M INFERIOR WALL MOTION
296	F99RJPD1	Num	8	RECOV 5M J POINT DEPRESSION
297	F99RJPD2	Num	8	RECOV 10M J POINT DEPRESSION
265	F99RMET1	Num	8	RECOV 5M METS
266	F99RMET2	Num	8	RECOV 10M METS
257	F99RMV1	Num	8	RECOV 5M MINUTE VENTILATION
258	F99RMV2	Num	8	RECOV 10M MINUTE VENTILATION
269	F99RNI	Num	8	RECOVERY NUCLIDE IMAGING DONE
251	F99RP4D1	Num	8	RECOV 5M BPD (4TH PHASE)
252	F99RP4D2	Num	8	RECOV 10M BPD (4TH PHASE)
253	F99RP5D1	Num	8	RECOV 5M BPD (5TH PHASE)
254	F99RP5D2	Num	8	RECOV 10M BPD (5TH PHASE)
284	F99RPLW1	Num	8	RECOV 5M POSTERIOR-LATERAL WALL MOTION
285	F99RPLW2	Num	8	RECOV 10M POSTERIOR-LATERAL WALL MOTION
249	F99RPS1	Num	8	RECOV 5M BPS (1ST PHASE)
250	F99RPS2	Num	8	RECOV 10M BPS (1ST PHASE)
42	F99RR1	Num	8	STAGE I RESPIRATORY RATE
84	F99RR2	Num	8	STAGE II RESPIRATORY RATE
126	F99RR3	Num	8	STAGE III RESPIRATORY RATE
168	F99RR4	Num	8	STAGE IV RESPIRATORY RATE
210	F99RR5	Num	8	STAGE V RESPIRATORY RATE
14	F99RRB	Num	8	PRE-EXER. RESPIRATORY RATE
267	F99RRER1	Num	8	RECOV 5M RER
268	F99RRER2	Num	8	RECOV 10M RER
288	F99RRHT1	Num	8	RECOV 5M RHYTHM TYPE
289	F99RRHT2	Num	8	RECOV 10M RHYTHM TYPE
255	F99RRR1	Num	8	RECOV 5M RESPIRATORY RATE
256	F99RRR2	Num	8	RECOV 10M RESPIRATORY RATE
294	F99STD1	Num	8	RECOV 5M ST DEPRESSION (MM)
295	F99STD2	Num	8	RECOV 10M ST DEPRESSION (MM)
280	F99RSW1	Num	8	RECOV 5M SEPTAL WALL MOTION
281	F99RSW2	Num	8	RECOV 10M SEPTAL WALL MOTION
298	F99RTI1	Num	8	RECOV 5M T INVERSION
299	F99RTI2	Num	8	RECOV 10M T INVERSION
263	F99RTV1	Num	8	RECOV 5M TIDAL VOLUME (ML PER BREATHS)
264	F99RTV2	Num	8	RECOV 10M TIDAL VOLUME (ML PER BREATHS)
259	F99RV01	Num	8	RECOV 5M V02 (ML PER KG PER MIN)
260	F99RV02	Num	8	RECOV 10M V02 (ML PER KG PER MIN)
261	F99RVC01	Num	8	RECOV 5M VCO2 (ML PER KG PER MIN)
262	F99RVC02	Num	8	RECOV 10M VCO2 (ML PER KG PER MIN)
270	F99RVEF1	Num	8	RECOV 5M VENTRICULAR EJECTION FRACTION
271	F99RVEF2	Num	8	RECOV 10M VENTRICULAR EJECTION FRACTION
70	F99STD11	Num	8	STAGE I ST DEPRESSION (MM) AT 1 MIN.
71	F99STD12	Num	8	STAGE I ST DEPRESSION (MM) AT 2 MIN.
72	F99STD13	Num	8	STAGE I ST DEPRESSION (MM) AT 3 MIN.
112	F99STD21	Num	8	STAGE II ST DEPRESSION (MM) AT 1 MIN.
113	F99STD22	Num	8	STAGE II ST DEPRESSION (MM) AT 2 MIN.
114	F99STD23	Num	8	STAGE II ST DEPRESSION (MM) AT 3 MIN.
154	F99STD31	Num	8	STAGE III ST DEPRESSION (MM) AT 1 MIN.
155	F99STD32	Num	8	STAGE III ST DEPRESSION (MM) AT 2 MIN.
156	F99STD33	Num	8	STAGE III ST DEPRESSION (MM) AT 3 MIN.

SECTION 6.9.3 CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION

FORM 99

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196	F99STD41	Num	8	STAGE IV S-T DEPRESSION (MM) AT 1 MIN.
197	F99STD42	Num	8	STAGE IV S-T DEPRESSION (MM) AT 2 MIN.
198	F99STD43	Num	8	STAGE IV S-T DEPRESSION (MM) AT 3 MIN.
238	F99STD51	Num	8	STAGE V S-T DEPRESSION (MM) AT 1 MIN.
239	F99STD52	Num	8	STAGE V S-T DEPRESSION (MM) AT 2 MIN.
240	F99STD53	Num	8	STAGE V S-T DEPRESSION (MM) AT 3 MIN.
34	F99STDB	Num	8	PRE-EXERCISE ST DEPRESSION(MM)
55	F99SW1	Num	8	STAGE I SEPTAL WALL MOTION
97	F99SW2	Num	8	STAGE II SEPTAL WALL MOTION
139	F99SW3	Num	8	STAGE III SEPTAL WALL MOTION
181	F99SW4	Num	8	STAGE IV SEPTAL WALL MOTION
223	F99SW5	Num	8	STAGE V SEPTAL WALL MOTION
27	F99SWB	Num	8	PRE-EXERCISE SEPTAL WALL MOTION
76	F99TI11	Num	8	STAGE I T INVERSION AT ONE MINUTE
77	F99TI12	Num	8	STAGE I T INVERSION AT TWO MINUTES
78	F99TI13	Num	8	STAGE I T INVERSION AT THREE MINUTES
118	F99TI21	Num	8	STAGE II T INVERSION AT ONE MINUTE
119	F99TI22	Num	8	STAGE II T INVERSION AT TWO MINUTES
120	F99TI23	Num	8	STAGE II T INVERSION AT THREE MINUTES
160	F99TI31	Num	8	STAGE III T INVERSION AT ONE MINUTE
161	F99TI32	Num	8	STAGE III T INVERSION AT TWO MINUTES
162	F99TI33	Num	8	STAGE III T INVERSION AT THREE MINUTES
202	F99TI41	Num	8	STAGE IV T INVERSION AT 1 MIN.
203	F99TI42	Num	8	STAGE IV T INVERSION AT 2 MIN.
204	F99TI43	Num	8	STAGE IV T INVERSION AT 3 MIN.
244	F99TI51	Num	8	STAGE V T INVERSION AT 1 MIN.
245	F99TI52	Num	8	STAGE V T INVERSION AT 2 MIN.
246	F99TI53	Num	8	STAGE V T INVERSION AT 3 MIN.
36	F99TIB	Num	8	PRE-EXERCISE T INVERSION
303	F99TOTWL	Num	8	TOTAL WORKLOAD COMPLETED
46	F99TV1	Num	8	STAGE I TIDAL VOLUME (ML PER BREATHS)
88	F99TV2	Num	8	STAGE II TIDAL VOLUME (ML PER BREATHS)
130	F99TV3	Num	8	STAGE III TIDAL VOLUME (ML PER BREATHS)
172	F99TV4	Num	8	STAGE IV TIDAL VOLUME (ML PER BREATHS)
214	F99TV5	Num	8	STAGE V TIDAL VOLUME (ML PER BREATHS)
17	F99TVB	Num	8	PRE-EXER. TIDAL VOLUME (ML PER BREATHS)
45	F99VC01	Num	8	STAGE I VCO2 (ML PER KG PER MIN)
87	F99VC02	Num	8	STAGE II VCO2 (ML PER KG PER MIN)
129	F99VC03	Num	8	STAGE III VCO2 (ML PER KG PER MIN)
171	F99VC04	Num	8	STAGE IV VCO2 (ML PER KG PER MIN)
213	F99VC05	Num	8	STAGE V VCO2 (ML PER KG PER MIN)
18	F99VC0B	Num	8	PRE-EXERCISE VCO2 (ML PER KG PER MIN)
50	F99VEF1	Num	8	STAGE I VENTRICULAR EJECTION FRACTION
92	F99VEF2	Num	8	STAGE II VENTRICULAR EJECTION FRACTION
134	F99VEF3	Num	8	STAGE III VENTRICULAR EJECTION FRACTION
176	F99VEF4	Num	8	STAGE IV VENTRICULAR EJECTION FRACTION
218	F99VEF5	Num	8	STAGE V VENTRICULAR EJECTION FRACTION
22	F99VEFB	Num	8	PRE-EXER. VENTRICULAR EJECTION FRACTION
44	F99V01	Num	8	STAGE I V02 (ML PER KG PER MIN)
86	F99V02	Num	8	STAGE II V02 (ML PER KG PER MIN)
128	F99V03	Num	8	STAGE III V02 (ML PER KG PER MIN)
170	F99V04	Num	8	STAGE IV V02 (ML PER KG PER MIN)
212	F99V05	Num	8	STAGE V V02 (ML PER KG PER MIN)
16	F99VOB	Num	8	PRE-EXERCISE V02 (ML PER KG PER MIN)
164	F99WL100	Num	8	PREDICTED 100% MAXIMUM WORKLOAD
206	F99WL125	Num	8	PREDICTED 125% MAXIMUM WORKLOAD

SECTION 6.9.3 CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION

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CSSCD FULL COHORT PATIENTS

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38	F99WLP25	Num	8	PREDICTED 25% MAXIMUM WORKLOAD
80	F99WLP50	Num	8	PREDICTED 50% MAXIMUM WORKLOAD
122	F99WLP75	Num	8	PREDICTED 75% MAXIMUM WORKLOAD
350	JF97DATE	Num	8	DATE OF VISIT - RECODE DAYS SINCE DOE
351	JF99ETDT	Num	8	DATE OF EXERCISE TESTING - RECODE DAYS S

**CODEBOOK FOR CSSCD FORM 99**  
**CARDIAC EVALUATION FORM - EXERCISE TESTING SECTION**

CSSCD FULL COHORT PATIENTS

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\* R97.FMT contains value labels for numerical codes assigned to categorical\*

\* variables in the SAS dataset R97.SD2

\*

\*\*\*\*\*;

\* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 12/25/99 13:00:59;

PROC FORMAT;

\* FORMAT F99OCOM IS DEFINED FOR VARIABLE F99OCOM;

VALUE F99OCOM

1	= "BECKMAN"
2	= "TISSOT"
3	= "DOUGLAS BAG";

\* FORMAT F99W IS DEFINED FOR VARIABLES F99ALWB F99APWB F99IWB  
F99SWB

F99APW1	F99AIWB	F99PLWB	F99ALW1
F99PLW1	F99IW1	F99SW1	F99AIW1
F99SW2	F99ALW2	F99APW2	F99IW2
F99APW3	F99AIW2	F99PLW2	F99ALW3
F99PLW3	F99IW3	F99SW3	F99AIW3
F99SW4	F99ALW4	F99APW4	F99IW4
F99APW5	F99AIW4	F99PLW4	F99ALW5
F99PLW5	F99IW5	F99SW5	F99AIW5
F99RAPW2	F99RALW1	F99RALW2	F99RAPW1
F99RSW2	F99RIW1	F99RIW2	F99RSW1
F99RPLW2;	F99RAIW1	F99RAIW2	F99RPLW1

VALUE F99W

1	= "NORMAL"
2	= "HYPOKINETIC"
3	= "DYSKINETIC";

\* FORMAT F99CONT IS DEFINED FOR VARIABLES F99CONTB F99COT11 F99COT12  
F99COT13

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F99COT31	F99COT21 F99COT22 F99COT23
F99COT42	F99COT32 F99COT33 F99COT41
F99COT53	F99COT43 F99COT51 F99COT52
	F99RCOT1 F99RCOT2;

VALUE F99CONT	
1	= "RBBB"
2	= "LBBB"
4	= "LAH"
8	= "A-V BLOCK 1"
16	= "A-V BLOCK 2"
32	= "A-V BLOCK 3"
64	= "LPH"
128	= "BIFASICULAR"
256	= "OTHER"
512	= "NORMAL";

* FORMAT NO_YES IS DEFINED FOR VARIABLES F99JPD11	F99JPDB F99TIB F99BNOET
F99TI12	F99JPD12 F99JPD13 F99TI11
F99JPD22	F99TI13 F99END1 F99JPD21
F99TI23	F99JPD23 F99TI21 F99TI22
F99JPD33	F99END2 F99JPD31 F99JPD32
F99END3	F99TI31 F99TI32 F99TI33
F99TI41	F99JPD41 F99JPD42 F99JPD43
F99JPD51	F99TI42 F99TI43 F99END4
F99TI52	F99JPD52 F99JPD53 F99TI51
F99RJPD2	F99TI53 F99ENDR F99RJPD1
	F99RTI1 F99RTI2;

VALUE NO_YES	
1	= "NO"
2	= "YES";

* FORMAT NOYES IS DEFINED FOR VARIABLES F99ESYN	F99EME F99EHR F99EDIZ
F99EPF2	F99ECP F99ESTD F99EPF1
F99EUPC	F99EHSP F99ESVT F99EVT



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F99EMPC F99EECG F99E125

F99EOTH;

VALUE NOYES

0 = 'NO'  
 1 = 'YES' ;

\* FORMAT F99NI IS DEFINED FOR VARIABLES F99NI1 F99NI2 F99NI3 F99NIB  
 F99NI4 F99NI5 F99RNI ;

VALUE F99NI

1 = "NOT DONE, NO REASON GIVEN"  
 2 = "NOT DONE, REASON GIVEN" ;

\* FORMAT F99RHT IS DEFINED FOR VARIABLES F99RHT11 F99RHT12 F99RHT13  
 F99RHT21

F99RHT22 F99RHT23 F99RHT31

F99RHT32

F99RHT33 F99RHT41 F99RHT42

F99RHT43

F99RHT51 F99RHT52 F99RHT53

F99RRHT1

F99RRHT2 F99RHYTB ;

VALUE F99RHT

1 = "ECTOPIC ATRIAL"  
 2 = "JUNCTIONAL"  
 4 = "VENTRICULAR"  
 8 = "NORMAL" ;

\* FORMAT F99ARR IS DEFINED FOR VARIABLES F99ARR11 F99ARR12 F99ARR13  
 F99ARR21

F99ARR22 F99ARR23 F99ARR31

F99ARR32

F99ARR33 F99ARR41 F99ARR42

F99ARR43

F99ARR51 F99ARR52 F99ARR53

F99RARR1

F99RARR2 F99ARRB ;

VALUE F99ARR

1 = "SUPRAVENTRICULAR TACHYCARDIA"  
 2 = "VENTRICULAR TACHYCARDIA"  
 4 = "UNIFOCAL PVC'S"  
 8 = "MULTIFOCAL PVC'S"  
 16 = "OTHER" ;

\* FORMAT MMDDYY8.

F99OCOM	F99OCOM.		
F99ALWB	F99APWB	F99IWB	F99SWB
F99AIWB	F99PLWB	F99ALW1	F99APW1
F99IW1	F99SW1	F99AIW1	F99PLW1

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F99ALW2	F99APW2	F99IW2	F99SW2
F99AIW2	F99PLW2	F99ALW3	F99APW3
F99IW3	F99SW3	F99AIW3	F99PLW3
F99ALW4	F99APW4	F99IW4	F99SW4
F99AIW4	F99PLW4	F99ALW5	F99APW5
F99IW5	F99SW5	F99AIW5	F99PLW5
F99RALW1	F99RALW2	F99RAPW1	F99RAPW2
F99RIW1	F99RIW2	F99RSW1	F99RSW2
F99RAIW1	F99RAIW2	F99RPLW1	F99RPLW2 F99W.
F99CONTB	F99COT11	F99COT12	F99COT13
F99COT21	F99COT22	F99COT23	F99COT31
F99COT32	F99COT33	F99COT41	F99COT42
F99COT43	F99COT51	F99COT52	F99COT53
F99RCOT1	F99RCOT2	F99CONT.	
F99JPD1	F99TIB	F99BNOET	F99JPD11
F99JPD12	F99JPD13	F99TI11	F99TI12
F99TI13	F99END1	F99JPD21	F99JPD22
F99JPD23	F99TI21	F99TI22	F99TI23
F99END2	F99JPD31	F99JPD32	F99JPD33
F99TI31	F99TI32	F99TI33	F99END3
F99JPD41	F99JPD42	F99JPD43	F99TI41
F99TI42	F99TI43	F99END4	F99JPD51
F99JPD52	F99JPD53	F99TI51	F99TI52
F99TI53	F99ENDR	F99RJP1	F99RJP2
F99RTI1	F99RTI2	NO_YES.	
F99NI1	F99NI2	F99NI3	F99NIB
F99NI4	F99NI5	F99RNI	F99NI.
F99RHT11	F99RHT12	F99RHT13	F99RHT21
F99RHT22	F99RHT23	F99RHT31	F99RHT32
F99RHT33	F99RHT41	F99RHT42	F99RHT43
F99RHT51	F99RHT52	F99RHT53	F99RRHT1
F99RRHT2	F99RHYTB	F99RHT.	
F99ARR11	F99ARR12	F99ARR13	F99ARR21
F99ARR22	F99ARR23	F99ARR31	F99ARR32
F99ARR33	F99ARR41	F99ARR42	F99ARR43
F99ARR51	F99ARR52	F99ARR53	F99RARR1
F99RARR2	F99ARRB	F99ARR.	
F99EME	F99EHR	F99EDIZ	F99ESYN
F99ECP	F99ESTD	F99EPF1	F99EPF2
F99EHSP	F99ESVT	F99EVT	F99EUPC
F99EMPC	F99EECG	F99E125	F99EOTH NOYES.;

RUN;  
QUIT;

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---

F97CYCLE ----- CYCLE NUMBER OF VISIT

type: numeric (float)

range: [1,1] units: 1  
unique values: 1 coded missing: 0 / 178

tabulation: Freq. Value  
178 1

F97VDATE ----- VERSION DATE **DELETED**

type: numeric daily date (int)  
label: datelab

range: [8102,8102] units: 1  
or equivalently: [08mar1982,08mar1982] units: days  
unique values: 1 coded missing: 177 / 178

tabulation: Freq. Numeric Label  
1 8102 03/08/1982

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F99MXWLP ----- PREDICTED MAXIMUM WORKLOAD

type: numeric (float)  
 range: [150,1500] units: 1  
 unique values: 39 coded missing: 28 / 178  
 mean: 881.993  
 std. dev: 300.34  
  
 percentiles: 10% 25% 50% 75% 90%  
 486.5 700 900 1100 1297.5

F99PB1S ----- PRE-EXER. BPS - R1, 1ST PHASE

type: numeric (float)  
 range: [90,180] units: 1  
 unique values: 39 coded missing: 7 / 178  
 mean: 115.579  
 std. dev: 16.598  
  
 percentiles: 10% 25% 50% 75% 90%  
 100 106 110 122 132

F99PB1D4 ----- PRE-EXER. BPD - R1, 4TH PHASE

type: numeric (float)  
 range: [30,108] units: 1  
 unique values: 35 coded missing: 9 / 178  
 mean: 68.9882  
 std. dev: 12.6326  
  
 percentiles: 10% 25% 50% 75% 90%  
 52 60 70 78 86

F99PB1D5 ----- PRE-EXER. BPD - R1, 5TH PHASE

type: numeric (float)  
 range: [15,104] units: 1  
 unique values: 33 coded missing: 52 / 178  
 mean: 59.4286  
 std. dev: 16.6822  
  
 percentiles: 10% 25% 50% 75% 90%  
 38 50 60 70 80

F99PB2S ----- PRE-EXER. BPS - R2, 1ST PHASE

type: numeric (float)  
 range: [88,190] units: 1  
 unique values: 40 coded missing: 4 / 178  
 mean: 115.276  
 std. dev: 16.3199  
  
 percentiles: 10% 25% 50% 75% 90%  
 100 105 112 120 132

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F99PB2D4 ----- PRE-EXER. BPD - R2, 4TH PHASE

type: numeric (float)  
 range: [30,108] units: 1  
 unique values: 34 coded missing: 5 / 178  
 mean: 70.0405  
 std. dev: 12.7946  
  
 percentiles:        10%        25%        50%        75%        90%  
                       55            60            70            78            84

F99PB2D5 ----- PRE-EXER. BPD - R2, 5TH PHASE

type: numeric (float)  
 range: [15,100] units: 1  
 unique values: 32 coded missing: 55 / 178  
 mean: 61.6016  
 std. dev: 16.7022  
  
 percentiles:        10%        25%        50%        75%        90%  
                       38            50            65            70            80

F99PB3S ----- PRE-EXER. BPS - R3, 1ST PHASE

type: numeric (float)  
 range: [88,190] units: 1  
 unique values: 45 coded missing: 9 / 178  
 mean: 115.124  
 std. dev: 16.3937  
  
 percentiles:        10%        25%        50%        75%        90%  
                       100          106          112          120          130

F99PB3D4 ----- PRE-EXER. BPD - R3, 4TH PHASE

type: numeric (float)  
 range: [30,155] units: 1  
 unique values: 35 coded missing: 10 / 178  
 mean: 69.9524  
 std. dev: 14.9409  
  
 percentiles:        10%        25%        50%        75%        90%  
                       52            60            70            79            86

F99PB3D5 ----- PRE-EXER. BPD - R3, 5TH PHASE

type: numeric (float)  
 range: [15,100] units: 1  
 unique values: 33 coded missing: 60 / 178  
 mean: 61.9831  
 std. dev: 17.0454  
  
 percentiles:        10%        25%        50%        75%        90%  
                       36            50            64            74            80

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F990COM ----- METHOD OF OXYGEN CONSUMPTION TESTING

```

type: numeric (float)
label: F990COM
range: [1,3] units: 1
unique values: 3 coded missing: 63 / 178
tabulation: Freq. Numeric Label
              100      1 BECKMAN
              14      2 TISSOT
              1       3 DOUGLAS BAG
    
```

F99RRB ----- PRE-EXER. RESPIRATORY RATE

```

type: numeric (float)
range: [8,50] units: 1
unique values: 26 coded missing: 59 / 178
mean: 20.4202
std. dev: 6.5192

percentiles: 10% 25% 50% 75% 90%
              13 16 20 24 28
    
```

F99MVB ----- PRE-EXER. MINUTE VENTILATION

```

type: numeric (float)
range: [2,27.4] units: .1
unique values: 72 coded missing: 50 / 178
mean: 8.61484
std. dev: 3.84253

percentiles: 10% 25% 50% 75% 90%
              4.9 6.2 8 9.95 11.8
    
```

F99VOB ----- PRE-EXERCISE V02 (ML PER KG PER MIN)

```

type: numeric (float)
range: [1.4,21.7] units: .1
unique values: 60 coded missing: 53 / 178
mean: 4.9648
std. dev: 2.47931

percentiles: 10% 25% 50% 75% 90%
              2.7 3.5 4.3 6 7.4
    
```

F99TVB ----- PRE-EXER. TIDAL VOLUME (ML PER BREATHS)

```

type: numeric (float)
range: [120,1368] units: 1
unique values: 78 coded missing: 53 / 178
mean: 427.304
std. dev: 179.081

percentiles: 10% 25% 50% 75% 90%
              250 320 400 494 594
    
```

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F99VC0B ----- PRE-EXERCISE VCO2 (ML PER KG PER MIN)

```

      type: numeric (float)
      range: [1,13.2]                units: .1
unique values: 52                    coded missing: 67 / 178
      mean: 3.93423
      std. dev: 1.89648

percentiles:      10%      25%      50%      75%      90%
                  2.3      2.7      3.4      4.5      6.2
  
```

F99METB ----- PRE-EXERCISE METS

```

      type: numeric (float)
      range: [.5,3.3]                units: .1
unique values: 22                    coded missing: 66 / 178
      mean: 1.33571
      std. dev: .489135

percentiles:      10%      25%      50%      75%      90%
                  .9       1       1.2     1.6     1.9
  
```

F99RERB ----- PRE-EXERCISE RER

```

      type: numeric (float)
      range: [.52,1.56]              units: .01
unique values: 47                    coded missing: 53 / 178
      mean: .792
      std. dev: .144133

percentiles:      10%      25%      50%      75%      90%
                  .61     .71     .79     .85     .94
  
```

F99NIB ----- PRE-EXERCISE NUCLIDE IMAGING DONE

```

      type: numeric (float)
      label: F99NIB
      range: [2,2]                    units: 1
unique values: 1                      coded missing: 117 / 178
      tabulation: Freq.  Numeric  Label
                  61         2   NOT DONE, REASON GIVEN
  
```

F99VEFB ----- PRE-EXER. VENTRICULAR EJECTION FRACTION

```

      type: numeric (float)
      range: [27.7,88]                units: .1
unique values: 51                    coded missing: 64 / 178
      mean: 62.3789
      std. dev: 10.3009

percentiles:      10%      25%      50%      75%      90%
                  51      56      62.65   68      75
  
```

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F99AHRB ----- PRE-EXER. NI AVERAGE HEART RATE

```

      type: numeric (float)
      range: [42,138]                units: 1
unique values: 47                    coded missing: 40 / 178
      mean: 76.5362
      std. dev: 12.6705

percentiles:    10%    25%    50%    75%    90%
                64     68     75     85     92
  
```

F99ALWB ----- PRE-EXERCISE ANTEROLATERAL WALL MOTION

```

      type: numeric (float)
      label: F99ALWB
      range: [1,1]                  units: 1
unique values: 1                    coded missing: 84 / 178
      tabulation: Freq.  Numeric  Label
                  94         1  NORMAL
  
```

F99APWB ----- PRE-EXERCISE APICAL WALL MOTION

```

      type: numeric (float)
      label: F99APWB
      range: [1,2]                  units: 1
unique values: 2                    coded missing: 70 / 178
      tabulation: Freq.  Numeric  Label
                  105        1  NORMAL
                   3         2  HYPOKINETIC
  
```

F99IWB ----- PRE-EXERCISE INFERIOR WALL MOTION

```

      type: numeric (float)
      label: F99IWB
      range: [1,1]                  units: 1
unique values: 1                    coded missing: 84 / 178
      tabulation: Freq.  Numeric  Label
                  94         1  NORMAL
  
```

F99SWB ----- PRE-EXERCISE SEPTAL WALL MOTION

```

      type: numeric (float)
      label: F99SWB
      range: [1,2]                  units: 1
unique values: 2                    coded missing: 68 / 178
      tabulation: Freq.  Numeric  Label
                  109        1  NORMAL
                   1         2  HYPOKINETIC
  
```

F99AIWB ----- PRE-EXERCISE APICAL-INFERIOR WALL MOTION

```

      type: numeric (float)
      label: F99AIWB
      range: [1,1]                  units: 1
unique values: 1                    coded missing: 84 / 178
      tabulation: Freq.  Numeric  Label
                  94         1  NORMAL
  
```



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---

F99PLWB ----- PRE-EXER. POSTERIOR-LATERAL WALL MOTION

type: numeric (float)  
label: F99PLWB

range: [1,2] units: 1  
unique values: 2 coded missing: 68 / 178

tabulation:	Freq.	Numeric	Label
	109	1	NORMAL
	1	2	HYPOKINETIC

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 CSSCD FULL COHORT PATIENTS

F99HRB ----- PRE-EXER. HEART RATE (BEATS PER MIN)

type: numeric (float)

range: [43,120] units: 1  
 unique values: 27 coded missing: 2 / 178

mean: 74.5795  
 std. dev: 12.9881

percentiles: 10% 25% 50% 75% 90%  
                   60 65 75 83 94

F99RHYTB ----- PRE-EXER. RHYTHM TYPE

type: numeric (float)  
 label: F99RHYTB  
 range: [8,8] units: 1  
 unique values: 1 coded missing: 2 / 178

tabulation:

Freq.	Numeric	Label
0	1	ECTOPIC ATRIAL
0	2	JUNCTIONAL
0	4	VENTRICULAR
176	8	NORMAL

F99RHYTB:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARRB ----- PRE-EXERCISE ARRHYTHMIA

type: numeric (float)  
 label: F99ARRB

range: [4,4] units: 1  
 unique values: 1 coded missing: 174 / 178

tabulation:

Freq.	Numeric	Label
0	1	SUPRAVENTRICULAR TACHYCARDIA
0	2	VENTRICULAR TACHYCARDIA
4	4	UNIFOCAL PVC'S
0	8	MULTIFOCAL PVC'S
0	16	OTHER

F99ARRB:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99CONTB ----- PRE-EXERCISE CONDUCTION TYPE

type: numeric (float)  
 label: F99CONTB

range: [512,512] units: 1  
 unique values: 1 coded missing: 2 / 178

tabulation:

Freq.	Numeric	Label
176	512	NORMAL

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F99STDB ----- PRE-EXERCISE ST DEPRESSION(MM)

type: numeric (float)

range: [0,1] units: 1

unique values: 2 coded missing: 2 / 178

mean: .005682

std. dev: .075378

percentiles:      10%      25%      50%      75%      90%

                    0            0            0            0            0

F99JPDB ----- PRE-EXERCISE JP DEPRESSION

type: numeric (float)

label: F99JPDB

range: [1,2] units: 1

unique values: 2 coded missing: 2 / 178

tabulation: Freq.    Numeric    Label

                  174            1    NO

                    2            2    YES

F99TIB ----- PRE-EXERCISE T INVERSION

type: numeric (float)

label: F99TIB

range: [1,2] units: 1

unique values: 2 coded missing: 2 / 178

tabulation: Freq.    Numeric    Label

                  166            1    NO

                    10            2    YES

F99BNOET ----- EXERCISE TESTING CONTRAINDICATED

type: numeric (float)

label: F99BNOET

range: [1,2] units: 1

unique values: 2 coded missing: 2 / 178

tabulation: Freq.    Numeric    Label

                  175            1    NO

                    1            2    YES

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 CSSCD FULL COHORT PATIENTS

F99WLP25 ----- PREDICTED 25% MAXIMUM WORKLOAD

type: numeric (float)  
 range: [50,450] units: 1  
 unique values: 30 coded missing: 8 / 178  
 mean: 214.747  
 std. dev: 78.3338

percentiles:        10%        25%        50%        75%        90%  
                      119        150        200        300        300

F99P1S ----- STAGE I SYSTOLIC BLOOD PRESSURE

type: numeric (float)  
 range: [100,240] units: 1  
 unique values: 47 coded missing: 5 / 178  
 mean: 146.358  
 std. dev: 23.2844

percentiles:        10%        25%        50%        75%        90%  
                      120        130        145        160        176

F99P1D ----- STAGE I DIASTOLIC BLOOD PRESSURE

type: numeric (float)  
 range: [40,128] units: 1  
 unique values: 40 coded missing: 5 / 178  
 mean: 73.4393  
 std. dev: 14.6733

percentiles:        10%        25%        50%        75%        90%  
                      60        65        70        80        90

F99RR1 ----- STAGE I RESPIRATORY RATE

type: numeric (float)  
 range: [12,78] units: 1  
 unique values: 36 coded missing: 63 / 178  
 mean: 30.7217  
 std. dev: 10.5519

percentiles:        10%        25%        50%        75%        90%  
                      19        24        29        36        44

F99MV1 ----- STAGE I MINUTE VENTILATION

type: numeric (float)  
 range: [1.7,51.6] units: .1  
 unique values: 103 coded missing: 54 / 178  
 mean: 22.2879  
 std. dev: 9.01552

percentiles:        10%        25%        50%        75%        90%  
                      11.4        15.5        22.1        27.85        34.4

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F99V01 ----- STAGE I VO2 (ML PER KG PER MIN)

```

      type: numeric (float)
      range: [3.9,28.1]                units: .1
unique values: 84                    coded missing: 57 / 178
      mean: 13.6661
      std. dev: 4.68073

percentiles:      10%      25%      50%      75%      90%
                  8.6      10.6      13       16.2     20
  
```

F99VC01 ----- STAGE I VCO2 (ML PER KG PER MIN)

```

      type: numeric (float)
      range: [4.4,26.1]                units: .1
unique values: 72                    coded missing: 69 / 178
      mean: 12.4899
      std. dev: 4.18224

percentiles:      10%      25%      50%      75%      90%
                  7.9      9.4      11.6     14.8     18
  
```

F99TV1 ----- STAGE I TIDAL VOLUME (ML PER BREATHS)

```

      type: numeric (float)
      range: [210,1510]                units: 1
unique values: 98                    coded missing: 57 / 178
      mean: 736.702
      std. dev: 245.056

percentiles:      10%      25%      50%      75%      90%
                  438      580      705      890      1080
  
```

F99MET1 ----- STAGE I METS

```

      type: numeric (float)
      range: [1.1,12.7]                units: .1
unique values: 46                    coded missing: 60 / 178
      mean: 3.83136
      std. dev: 1.48719

percentiles:      10%      25%      50%      75%      90%
                  2.2      2.9      3.7      4.5      5.1
  
```

F99RER1 ----- STAGE I RER

```

      type: numeric (float)
      range: [.61,1.72]                units: .01
unique values: 55                    coded missing: 55 / 178
      mean: .950488
      std. dev: .197973

percentiles:      10%      25%      50%      75%      90%
                  .73      .82      .93      1.01     1.2
  
```

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F99NI1 ----- STAGE I NUCLIDE IMAGING DONE

type: numeric (float)  
label: F99NI1  
range: [1,2] units: 1  
unique values: 2 coded missing: 100 / 178

tabulation:	Freq.	Numeric	Label
	2	1	NOT DONE, NO REASON GIVEN
	76	2	NOT DONE, REASON GIVEN

F99VEF1 ----- STAGE I VENTRICULAR EJECTION FRACTION

type: numeric (float)  
range: [27.7,89] units: .1  
unique values: 45 coded missing: 88 / 178

mean: 67.9167  
std. dev: 10.7507

percentiles:	10%	25%	50%	75%	90%
	55.3	62	67.5	76	81.5

F99AHR1 ----- STAGE I NI AVERAGE HEART RATE

type: numeric (float)  
range: [34,192] units: 1  
unique values: 56 coded missing: 57 / 178

mean: 135.091  
std. dev: 23.2034

percentiles:	10%	25%	50%	75%	90%
	110	121	135	149	165

F99ALW1 ----- STAGE I ANTEROLATERAL WALL MOTION

type: numeric (float)  
label: F99ALW1  
range: [1,2] units: 1  
unique values: 2 coded missing: 123 / 178

tabulation:	Freq.	Numeric	Label
	54	1	NORMAL
	1	2	HYPOKINETIC

F99APW1 ----- STAGE I APICAL WALL MOTION

type: numeric (float)  
label: F99APW1  
range: [1,2] units: 1  
unique values: 2 coded missing: 99 / 178

tabulation:	Freq.	Numeric	Label
	76	1	NORMAL
	3	2	HYPOKINETIC

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F99IW1 ----- STAGE I INFERIOR WALL MOTION

type: numeric (float)  
label: F99IW1

range: [1,2] units: 1  
unique values: 2 coded missing: 123 / 178

tabulation:	Freq.	Numeric	Label
	54	1	NORMAL
	1	2	HYPOKINETIC

F99SW1 ----- STAGE I SEPTAL WALL MOTION

type: numeric (float)  
label: F99SW1

range: [1,2] units: 1  
unique values: 2 coded missing: 89 / 178

tabulation:	Freq.	Numeric	Label
	86	1	NORMAL
	3	2	HYPOKINETIC

F99AIW1 ----- STAGE I APICAL-INFERIOR WALL MOTION

type: numeric (float)  
label: F99AIW1

range: [1,2] units: 1  
unique values: 2 coded missing: 112 / 178

tabulation:	Freq.	Numeric	Label
	65	1	NORMAL
	1	2	HYPOKINETIC

F99PLW1 ----- STAGE I POSTERIOR-LATERAL WALL MOTION

type: numeric (float)  
label: F99PLW1

range: [1,2] units: 1  
unique values: 2 coded missing: 89 / 178

tabulation:	Freq.	Numeric	Label
	85	1	NORMAL
	4	2	HYPOKINETIC

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 CSSCD FULL COHORT PATIENTS

F99HR11 ----- STAGE I HEART RATE (BEATS PER MIN) AT 1M  
 type: numeric (float)

range: [79,188] units: 1  
 unique values: 22 coded missing: 71 / 178

mean: 115.841  
 std. dev: 17.4703

percentiles: 10% 25% 50% 75% 90%  
 97 107 115 125 136

F99HR12 ----- STAGE I HEART RATE (BEATS PER MIN) AT 2M  
 type: numeric (float)

range: [83,167] units: 1  
 unique values: 20 coded missing: 79 / 178

mean: 123.212  
 std. dev: 19.2339

percentiles: 10% 25% 50% 75% 90%  
 100 107 125 136 150

F99HR13 ----- STAGE I HEART RATE (BEATS PER MIN) AT 3M  
 type: numeric (float)

range: [83,188] units: 1  
 unique values: 22 coded missing: 12 / 178

mean: 135.012  
 std. dev: 20.973

percentiles: 10% 25% 50% 75% 90%  
 111 115 136 150 167

F99RHT11 ----- STAGE I RHYTHM TYPE AT ONE MINUTE  
 type: numeric (float)  
 label: F99RHT11

range: [8,8] units: 1  
 unique values: 1 coded missing: 72 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	106	8	NORMAL

F99RHT11:

1. Binary coded variable. See Part II for explanation of binary coded variables.



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CSSCD FULL COHORT PATIENTS

F99RHT12 ----- STAGE I RHYTHM TYPE AT TWO MINUTES

type: numeric (float)  
label: F99RHT12

range: [8,8] units: 1  
unique values: 1 coded missing: 81 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	97	8	NORMAL

F99RHT12:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RHT13 ----- STAGE I RHYTHM TYPE AT THREE MINUTES

type: numeric (float)  
label: F99RHT13

range: [8,8] units: 1  
unique values: 1 coded missing: 17 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	161	8	NORMAL

F99RHT13:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR11 ----- STAGE I ARRHYTHMIA AT ONE MINUTE

type: numeric (float)  
label: F99ARR11

range: [1,4] units: 1  
unique values: 2 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	1	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	1	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99ARR11:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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CSSCD FULL COHORT PATIENTS

F99ARR12 ----- STAGE I ARRHYTHMIA AT TWO MINUTES

type: numeric (float)  
label: F99ARR12  
range: [1,4] units: 1  
unique values: 3 coded missing: 175 / 178

tabulation:	Freq.	Numeric	Label
	1	1	SUPRAVENTRICULAR TACHYCARDIA
	1	2	VENTRICULAR TACHYCARDIA
	1	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99ARR12:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR13 ----- STAGE I ARRHYTHMIA AT THREE MINUTES

type: numeric (float)  
label: F99ARR13  
range: [1,20] units: 1  
unique values: 4 coded missing: 172 / 178

tabulation:	Freq.	Numeric	Label
	3	1	SUPRAVENTRICULAR TACHYCARDIA
	1	2	VENTRICULAR TACHYCARDIA
	1	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER"
	1	20	

F99ARR13:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT11 ----- STAGE I CONDUCTION TYPE AT ONE MINUTE

type: numeric (float)  
label: F99COT11  
range: [256,512] units: 1  
unique values: 2 coded missing: 72 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	1	256	OTHER
	105	512	NORMAL

F99COT11:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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CSSCD FULL COHORT PATIENTS

F99COT12 ----- STAGE I CONDUCTION TYPE AT TWO MINUTES

type: numeric (float)  
label: F99COT12  
range: [256,512] units: 1  
unique values: 2 coded missing: 80 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	1	256	OTHER
	97	512	NORMAL

F99COT12:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT13 ----- STAGE I CONDUCTION TYPE AT THREE MINUTES

type: numeric (float)  
label: F99COT13  
range: [256,512] units: 1  
unique values: 2 coded missing: 17 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	1	256	OTHER
	160	512	NORMAL

F99COT13:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99STD11 ----- STAGE I ST DEPRESSION (MM) AT 1 MIN.

type: numeric (float)  
range: [0,2] units: 1  
unique values: 3 coded missing: 71 / 178

mean: .102804  
std. dev: .36172

percentiles:	10%	25%	50%	75%	90%
	0	0	0	0	0

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CSSCD FULL COHORT PATIENTS

F99STD12 ----- STAGE I ST DEPRESSION (MM) AT 2 MIN.

type: numeric (float)  
range: [0,3] units: .1  
unique values: 5 coded missing: 79 / 178

mean: .232323  
std. dev: .598949

percentiles:	10%	25%	50%	75%	90%
	0	0	0	0	1

F99STD13 ----- STAGE I ST DEPRESSION (MM) AT 3 MIN.

type: numeric (float)  
range: [0,3] units: .1  
unique values: 6 coded missing: 13 / 178

mean: .278788  
std. dev: .587864

percentiles:	10%	25%	50%	75%	90%
	0	0	0	0	1

F99JPD11 ----- STAGE I J POINT DEPRESSION AT 1 MIN.

type: numeric (float)  
label: F99JPD11  
range: [1,2] units: 1  
unique values: 2 coded missing: 71 / 178

tabulation:	Freq.	Numeric	Label
	105	1	NO
	2	2	YES

F99JPD12 ----- STAGE I J POINT DEPRESSION AT 2 MIN.

type: numeric (float)  
label: F99JPD12  
range: [1,2] units: 1  
unique values: 2 coded missing: 79 / 178

tabulation:	Freq.	Numeric	Label
	96	1	NO
	3	2	YES

F99JPD13 ----- STAGE I J POINT DEPRESSION AT 3 MIN.

type: numeric (float)  
label: F99JPD13  
range: [1,2] units: 1  
unique values: 2 coded missing: 12 / 178

tabulation:	Freq.	Numeric	Label
	157	1	NO
	9	2	YES

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 CSSCD FULL COHORT PATIENTS

F99TI11 ----- STAGE I T INVERSION AT ONE MINUTE

type: numeric (float)  
 label: F99TI11

range: [1,2] units: 1  
 unique values: 2 coded missing: 71 / 178

tabulation:	Freq.	Numeric	Label
	89	1	NO
	18	2	YES

F99TI12 ----- STAGE I T INVERSION AT TWO MINUTES

type: numeric (float)  
 label: F99TI12

range: [1,2] units: 1  
 unique values: 2 coded missing: 79 / 178

tabulation:	Freq.	Numeric	Label
	82	1	NO
	17	2	YES

F99TI13 ----- STAGE I T INVERSION AT THREE MINUTES

type: numeric (float)  
 label: F99TI13

range: [1,2] units: 1  
 unique values: 2 coded missing: 12 / 178

tabulation:	Freq.	Numeric	Label
	142	1	NO
	24	2	YES

F99END1 ----- EXERCISE TESTING STOPPED AT STAGE I

type: numeric (float)  
 label: F99END1

range: [1,2] units: 1  
 unique values: 2 coded missing: 2 / 178

tabulation:	Freq.	Numeric	Label
	150	1	NO
	26	2	YES

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F99WLP50 ----- PREDICTED 50% MAXIMUM WORKLOAD

type: numeric (float)  
range: [75,800] units: 1  
unique values: 33 coded missing: 31 / 178  
mean: 413.939  
std. dev: 152.289

percentiles:           10%       25%       50%       75%       90%  
                          200       300       400       500       600

F99P2S ----- STAGE II SYSTOLIC BLOOD PRESSURE

type: numeric (float)  
range: [60,240] units: 1  
unique values: 51 coded missing: 41 / 178  
mean: 159.226  
std. dev: 27.4022

percentiles:           10%       25%       50%       75%       90%  
                          125       144       160       177       196

F99P2D ----- STAGE II DIASTOLIC BLOOD PRESSURE

type: numeric (float)  
range: [30,130] units: 1  
unique values: 34 coded missing: 42 / 178  
mean: 75.5368  
std. dev: 16.6297

percentiles:           10%       25%       50%       75%       90%  
                          59       68       70       84.5       98

F99RR2 ----- STAGE II RESPIRATORY RATE

type: numeric (float)  
range: [16,60] units: 1  
unique values: 36 coded missing: 79 / 178  
mean: 35.7677  
std. dev: 10.3784

percentiles:           10%       25%       50%       75%       90%  
                          22       29       35       42       52

F99MV2 ----- STAGE II MINUTE VENTILATION

type: numeric (float)  
range: [2.5,80.8] units: .1  
unique values: 98 coded missing: 70 / 178  
mean: 33.3444  
std. dev: 15.4026

percentiles:           10%       25%       50%       75%       90%  
                          16.2       22.35       31.5       41.85       55.7

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F99V02 ----- STAGE II VO2 (ML PER KG PER MIN)

```

      type: numeric (float)
      range: [5.4,41.1]           units: .1
unique values: 80                coded missing: 73 / 178
      mean: 18.8371
      std. dev: 7.17542

percentiles:    10%    25%    50%    75%    90%
                11.3   13.8   17     23    30.4
    
```

F99VC02 ----- STAGE II VC02 (ML PER KG PER MIN)

```

      type: numeric (float)
      range: [5.3,40]           units: .1
unique values: 79                coded missing: 82 / 178
      mean: 19.7573
      std. dev: 7.67185

percentiles:    10%    25%    50%    75%    90%
                10.8   14.6   18.95  23.45  31
    
```

F99TV2 ----- STAGE II TIDAL VOLUME (ML PER BREATHS)

```

      type: numeric (float)
      range: [340,1920]        units: 1
unique values: 90                coded missing: 76 / 178
      mean: 901.667
      std. dev: 293.032

percentiles:    10%    25%    50%    75%    90%
                530    698    880    1074   1240
    
```

F99MET2 ----- STAGE II METS

```

      type: numeric (float)
      range: [1.6,16.1]        units: .1
unique values: 54                coded missing: 77 / 178
      mean: 5.39307
      std. dev: 2.21807

percentiles:    10%    25%    50%    75%    90%
                3     3.9    4.9    6.6    8.1
    
```

F99RER2 ----- STAGE II RER

```

      type: numeric (float)
      range: [.64,1.98]        units: .01
unique values: 57                coded missing: 72 / 178
      mean: 1.05151
      std. dev: .246201

percentiles:    10%    25%    50%    75%    90%
                .78   .85    1.005  1.2    1.36
    
```

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F99NI2 ----- STAGE II NUCLIDE IMAGING DONE

type: numeric (float)  
label: F99NI2  
range: [1,2] units: 1  
unique values: 2 coded missing: 103 / 178

tabulation:	Freq.	Numeric	Label
	2	1	NOT DONE, NO REASON GIVEN
	73	2	NOT DONE, REASON GIVEN

F99VEF2 ----- STAGE II VENTRICULAR EJECTION FRACTION

type: numeric (float)  
range: [18.6,88.7] units: .1  
unique values: 41 coded missing: 108 / 178

mean: 70.0714  
std. dev: 13.1295

percentiles:	10%	25%	50%	75%	90%
	53	63	71	81	84.7

F99AHR2 ----- STAGE II NI AVERAGE HEART RATE

type: numeric (float)  
range: [96,191] units: 1  
unique values: 46 coded missing: 85 / 178

mean: 157  
std. dev: 20.6571

percentiles:	10%	25%	50%	75%	90%
	125	148	160	171	180

F99ALW2 ----- STAGE II ANTEROLATERAL WALL MOTION

type: numeric (float)  
label: F99ALW2  
range: [1,2] units: 1  
unique values: 2 coded missing: 135 / 178

tabulation:	Freq.	Numeric	Label
	42	1	NORMAL
	1	2	HYPOKINETIC

F99APW2 ----- STAGE II APICAL WALL MOTION

type: numeric (float)  
label: F99APW2  
range: [1,2] units: 1  
unique values: 2 coded missing: 114 / 178

tabulation:	Freq.	Numeric	Label
	61	1	NORMAL
	3	2	HYPOKINETIC



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---

F99IW2 ----- STAGE II INFERIOR WALL MOTION

type: numeric (float)  
label: F99IW2

range: [1,2] units: 1  
unique values: 2 coded missing: 135 / 178

tabulation:	Freq.	Numeric	Label
	42	1	NORMAL
	1	2	HYPOKINETIC

F99SW2 ----- STAGE II SEPTAL WALL MOTION

type: numeric (float)  
label: F99SW2

range: [1,2] units: 1  
unique values: 2 coded missing: 109 / 178

tabulation:	Freq.	Numeric	Label
	67	1	NORMAL
	2	2	HYPOKINETIC

F99AIW2 ----- STAGE II APICAL-INFERIOR WALL MOTION

type: numeric (float)  
label: F99AIW2

range: [1,2] units: 1  
unique values: 2 coded missing: 130 / 178

tabulation:	Freq.	Numeric	Label
	47	1	NORMAL
	1	2	HYPOKINETIC

F99PLW2 ----- STAGE II POSTERIOR-LATERAL WALL MOTION

type: numeric (float)  
label: F99PLW2

range: [1,2] units: 1  
unique values: 2 coded missing: 109 / 178

tabulation:	Freq.	Numeric	Label
	67	1	NORMAL
	2	2	HYPOKINETIC

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F99HR21 ----- STAGE II HEART RATE (BEATS PER MIN) - 1M  
type: numeric (float)

range: [83,188] units: 1  
unique values: 16 coded missing: 76 / 178

mean: 144.931  
std. dev: 21.983

percentiles:	10%	25%	50%	75%	90%
	120	125	143	167	167

F99HR22 ----- STAGE II HEART RATE (BEATS PER MIN) - 2M  
type: numeric (float)

range: [94,188] units: 1  
unique values: 15 coded missing: 83 / 178

mean: 156.411  
std. dev: 20.5424

percentiles:	10%	25%	50%	75%	90%
	130	143	150	167	188

F99HR23 ----- STAGE II HEART RATE (BEATS PER MIN) - 3M  
type: numeric (float)

range: [88,230] units: 1  
unique values: 22 coded missing: 96 / 178

mean: 153.402  
std. dev: 21.7709

percentiles:	10%	25%	50%	75%	90%
	125	145	150	167	176

F99RHT21 ----- STAGE II RHYTHM TYPE AT ONE MINUTE  
type: numeric (float)  
label: F99RHT21

range: [8,8] units: 1  
unique values: 1 coded missing: 79 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	99	8	NORMAL

F99RHT21:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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CSSCD FULL COHORT PATIENTS

F99RHT22 ----- STAGE II RHYTHM TYPE AT TWO MINUTES

type: numeric (float)  
label: F99RHT22

range: [8,8] units: 1  
unique values: 1 coded missing: 84 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	94	8	NORMAL

F99RHT22:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RHT23 ----- STAGE II RHYTHM TYPE AT THREE MINUTES

type: numeric (float)  
label: F99RHT23

range: [8,8] units: 1  
unique values: 1 coded missing: 98 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	80	8	NORMAL

F99RHT23:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR21 ----- STAGE II ARRHYTHMIA AT ONE MINUTE

type: numeric (float)  
label: F99ARR21

range: [2,20] units: 1  
unique values: 3 coded missing: 175 / 178

tabulation:	Freq.	Numeric	Label
	0	1	SUPRAVENTRICULAR TACHYCARDIA
	1	2	VENTRICULAR TACHYCARDIA
	1	4	UNIFOVAL PVC'S
	0	8	MULTIFOVAL PVC'S
	0	16	OTHER
	1	20	

F99ARR21:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99ARR22 ----- STAGE II ARRHYTHMIA AT TWO MINUTES

type: numeric (float)  
label: F99ARR22  
range: [1,20] units: 1  
unique values: 2 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	1	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER
	1	20	

F99ARR22:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR23 ----- STAGE II ARRHYTHMIA AT THREE MINUTES

type: numeric (float)  
label: F99ARR23  
range: [1,20] units: 1  
unique values: 2 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	1	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER
	1	20	

F99ARR23:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT21 ----- STAGE II CONDUCTION TYPE AT ONE MINUTE

type: numeric (float)  
label: F99COT21  
range: [1,512] units: 1  
unique values: 3 coded missing: 77 / 178

tabulation:	Freq.	Numeric	Label
	1	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	1	256	OTHER
	99	512	NORMAL

F99COT21:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99COT22 ----- STAGE II CONDUCTION TYPE AT TWO MINUTES

type: numeric (float)  
label: F99COT22  
range: [256,512] units: 1  
unique values: 2 coded missing: 84 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASCULAR
	1	256	OTHER
	93	512	NORMAL

F99COT22:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT23 ----- STAGE II CONDUCTION TYPE AT 3 MINUTES

type: numeric (float)  
label: F99COT23  
range: [256,512] units: 1  
unique values: 2 coded missing: 98 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASCULAR
	1	256	OTHER
	79	512	NORMAL

F99COT23:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99STD21 ----- STAGE II ST DEPRESSION (MM) AT 1 MIN.

type: numeric (float)  
range: [0,4] units: .1  
unique values: 6 coded missing: 76 / 178

mean: .377451  
std. dev: .762475

percentiles:	10%	25%	50%	75%	90%
	0	0	0	0	1.5

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CSSCD FULL COHORT PATIENTS

F99STD22 ----- STAGE II ST DEPRESSION (MM) AT 2 MIN.

```

    type: numeric (float)
    range: [0,3]                      units: .1
unique values: 6                      coded missing: 83 / 178

    mean: .473684
    std. dev: .75219

    percentiles:      10%      25%      50%      75%      90%
                     0        0        0        1        2

```

F99STD23 ----- STAGE II ST DEPRESSION (MM) AT 3 MIN.

```

    type: numeric (float)
    range: [0,5]                      units: .1
unique values: 5                      coded missing: 96 / 178

    mean: .493902
    std. dev: .837006

    percentiles:      10%      25%      50%      75%      90%
                     0        0        0        1        1.5

```

F99JPD21 ----- STAGE II J POINT DEPRESSION AT 1 MIN.

```

    type: numeric (float)
    label: F99JPD21
    range: [1,2]                      units: 1
unique values: 2                      coded missing: 76 / 178

    tabulation:  Freq.  Numeric  Label
                 97     1      NO
                 5     2      YES

```

F99JPD22 ----- STAGE II J POINT DEPRESSION AT 2 MIN.

```

    type: numeric (float)
    label: F99JPD22
    range: [1,2]                      units: 1
unique values: 2                      coded missing: 83 / 178

    tabulation:  Freq.  Numeric  Label
                 91     1      NO
                 4     2      YES

```

F99JPD23 ----- STAGE II J POINT DEPRESSION AT 3 MIN.

```

    type: numeric (float)
    label: F99JPD23
    range: [1,2]                      units: 1
unique values: 2                      coded missing: 96 / 178

    tabulation:  Freq.  Numeric  Label
                 77     1      NO
                 5     2      YES

```

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F99TI21 ----- STAGE II T INVERSION AT ONE MINUTE

type: numeric (float)  
label: F99TI21

range: [1,2] units: 1  
unique values: 2 coded missing: 76 / 178

tabulation:	Freq.	Numeric	Label
	83	1	NO
	19	2	YES

F99TI22 ----- STAGE II T INVERSION AT TWO MINUTES

type: numeric (float)  
label: F99TI22

range: [1,2] units: 1  
unique values: 2 coded missing: 83 / 178

tabulation:	Freq.	Numeric	Label
	84	1	NO
	11	2	YES

F99TI23 ----- STAGE II T INVERSION AT THREE MINUTES

type: numeric (float)  
label: F99TI23

range: [1,2] units: 1  
unique values: 2 coded missing: 96 / 178

tabulation:	Freq.	Numeric	Label
	71	1	NO
	11	2	YES

F99END2 ----- EXERCISE TESTING STOPPED AT STAGE II

type: numeric (float)  
label: F99END2

range: [1,2] units: 1  
unique values: 2 coded missing: 28 / 178

tabulation:	Freq.	Numeric	Label
	39	1	NO
	111	2	YES

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F99WLP75 ----- PREDICTED 75% MAXIMUM WORKLOAD

type: numeric (float)  
range: [100,1000] units: 1  
unique values: 23 coded missing: 141 / 178  
mean: 466.378  
std. dev: 225.198

percentiles:       10%       25%       50%       75%       90%  
                  225       300       450       600       825

F99P3S ----- STAGE III SYSTOLIC BLOOD PRESSURE

type: numeric (float)  
range: [110,240] units: 1  
unique values: 27 coded missing: 141 / 178  
mean: 163.838  
std. dev: 30.2907

percentiles:       10%       25%       50%       75%       90%  
                  124       140       164       182       200

F99P3D ----- STAGE III DIASTOLIC BLOOD PRESSURE

type: numeric (float)  
range: [50,120] units: 1  
unique values: 18 coded missing: 142 / 178  
mean: 76.6389  
std. dev: 17.5437

percentiles:       10%       25%       50%       75%       90%  
                  59       60       70       89       102

F99RR3 ----- STAGE III RESPIRATORY RATE

type: numeric (float)  
range: [14,62] units: 1  
unique values: 21 coded missing: 154 / 178  
mean: 42.0833  
std. dev: 13.5676

percentiles:       10%       25%       50%       75%       90%  
                  26       31.5       40       54.5       58

F99MV3 ----- STAGE III MINUTE VENTILATION

type: numeric (float)  
range: [7.4,80.4] units: .1  
unique values: 24 coded missing: 154 / 178  
mean: 35.3375  
std. dev: 16.4636

percentiles:       10%       25%       50%       75%       90%  
                  17.1       24.45       33.15       42.45       56.7



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F99V03 ----- STAGE III VO2 (ML PER KG PER MIN)

type: numeric (float)  
range: [2,37] units: .1  
unique values: 24 coded missing: 153 / 178  
mean: 19.268  
std. dev: 7.2909

percentiles:       10%       25%       50%       75%       90%  
                  11.1       15.1       19.1       24.3       27.6

F99VC03 ----- STAGE III VC02 (ML PER KG PER MIN)

type: numeric (float)  
range: [5.2,37.9] units: .1  
unique values: 22 coded missing: 155 / 178  
mean: 21.9435  
std. dev: 7.21966

percentiles:       10%       25%       50%       75%       90%  
                  10.7       19.3       22       25.9       29.7

F99TV3 ----- STAGE III TIDAL VOLUME (ML PER BREATHS)

type: numeric (float)  
range: [400,1500] units: 1  
unique values: 22 coded missing: 155 / 178  
mean: 879.696  
std. dev: 342.963

percentiles:       10%       25%       50%       75%       90%  
                  530       570       770       1230       1360

F99MET3 ----- STAGE III METS

type: numeric (float)  
range: [3.2,8.3] units: .1  
unique values: 19 coded missing: 156 / 178  
mean: 5.30455  
std. dev: 1.42911

percentiles:       10%       25%       50%       75%       90%  
                  3.6       4.1       5.15       6.5       7

F99RER3 ----- STAGE III RER

type: numeric (float)  
range: [.7,1.8] units: .01  
unique values: 22 coded missing: 153 / 178  
mean: 1.1176  
std. dev: .324259

percentiles:       10%       25%       50%       75%       90%  
                  .74       .88       1.01       1.43       1.56

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F99NI3 ----- STAGE III NUCLIDE IMAGING DONE

```

      type: numeric (float)
      label: F99NI3
      range: [1,2]                      units: 1
unique values: 2                      coded missing: 159 / 178
  tabulation: Freq.  Numeric  Label
                2          1  NOT DONE, NO REASON GIVEN
                17         2  NOT DONE, REASON GIVEN
  
```

F99VEF3 ----- STAGE III VENTRICULAR EJECTION FRACTION

```

      type: numeric (float)
      range: [60,89]                   units: .1
unique values: 13                     coded missing: 161 / 178
      mean: 71.3059
      std. dev: 7.91719
percentiles:   10%    25%    50%    75%    90%
                60     68     71     73     83.9
  
```

F99AHR3 ----- STAGE III NI AVERAGE HEART RATE

```

      type: numeric (float)
      range: [106,185]                 units: 1
unique values: 15                     coded missing: 159 / 178
      mean: 161.737
      std. dev: 18.3329
percentiles:   10%    25%    50%    75%    90%
                138    156    165    175    180
  
```

F99ALW3 ----- STAGE III ANTEROLATERAL WALL MOTION

```

      type: numeric (float)
      label: F99ALW3
      range: [1,1]                      units: 1
unique values: 1                      coded missing: 164 / 178
  tabulation: Freq.  Numeric  Label
                14          1  NORMAL
  
```

F99APW3 ----- STAGE III APICAL WALL MOTION

```

      type: numeric (float)
      label: F99APW3
      range: [1,1]                      units: 1
unique values: 1                      coded missing: 162 / 178
  tabulation: Freq.  Numeric  Label
                16          1  NORMAL
  
```

F99IW3 ----- STAGE III INFERIOR WALL MOTION

```

      type: numeric (float)
      label: F99IW3
      range: [1,1]                      units: 1
unique values: 1                      coded missing: 164 / 178
  tabulation: Freq.  Numeric  Label
                14          1  NORMAL
  
```

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F99SW3 ----- STAGE III SEPTAL WALL MOTION

type: numeric (float)  
label: F99SW3

range: [1,1] units: 1  
unique values: 1 coded missing: 162 / 178

tabulation:	Freq.	Numeric	Label
	16	1	NORMAL

F99AIW3 ----- STAGE III APICAL-INFERIOR WALL MOTION

type: numeric (float)  
label: F99AIW3

range: [1,1] units: 1  
unique values: 1 coded missing: 164 / 178

tabulation:	Freq.	Numeric	Label
	14	1	NORMAL

F99PLW3 ----- STAGE III POSTERIOR-LATERAL WALL MOTION

type: numeric (float)  
label: F99PLW3

range: [1,1] units: 1  
unique values: 1 coded missing: 162 / 178

tabulation:	Freq.	Numeric	Label
	16	1	NORMAL

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F99HR31 ----- STAGE III HEART RATE AT 1 MIN.

type: numeric (float)

range: [100,188] units: 1  
 unique values: 10 coded missing: 148 / 178

mean: 157.8  
 std. dev: 19.0795

percentiles: 10% 25% 50% 75% 90%  
 136 150 158 167 182

F99HR32 ----- STAGE III HEART RATE AT 2 MIN.

type: numeric (float)

range: [130,188] units: 1  
 unique values: 8 coded missing: 164 / 178

mean: 165.357  
 std. dev: 17.5964

percentiles: 10% 25% 50% 75% 90%  
 136 158 167 176 188

F99HR33 ----- STAGE III HEART RATE AT 3 MIN.

type: numeric (float)

range: [107,188] units: 1  
 unique values: 7 coded missing: 161 / 178

mean: 164.294  
 std. dev: 21.6528

percentiles: 10% 25% 50% 75% 90%  
 145 150 167 188 188

F99RHT31 ----- STAGE III RHYTHM TYPE AT ONE MINUTE

type: numeric (float)  
 label: F99RHT31

range: [8,8] units: 1  
 unique values: 1 coded missing: 148 / 178

tabulation: Freq. Numeric Label  
 0 1 ECTOPIC ATRIAL  
 0 2 JUNCTIONAL  
 0 4 VENTRICULAR  
 30 8 NORMAL

F99RHT31:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99RHT32 ----- STAGE III RHYTHM TYPE AT TWO MINUTES

type: numeric (float)  
 label: F99RHT32

range: [8,8] units: 1  
 unique values: 1 coded missing: 164 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	14	8	NORMAL

F99RHT32:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RHT33 ----- STAGE III RHYTHM TYPE AT THREE MINUTES

type: numeric (float)  
 label: F99RHT33

range: [8,8] units: 1  
 unique values: 1 coded missing: 161 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	17	8	NORMAL

F99RHT33:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR31 ----- STAGE III ARRHYTHMIA AT ONE MINUTE

type: numeric (float)  
 label: F99ARR31

range: [.,.] units: .  
 unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Numeric	Label
	0	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOVAL PVC'S
	0	8	MULTIFOVAL PVC'S
	0	16	OTHER

F99ARR31:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99ARR32 ----- STAGE III ARRHYTHMIA AT TWO MINUTES

type: numeric (float)  
 label: F99ARR32  
 range: [.,.] units: .  
 unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Numeric	Label
	0	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99ARR32:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR33 ----- STAGE III ARRHYTHMIA AT THREE MINUTES

type: numeric (float)  
 label: F99ARR33  
 range: [.,.] units: .  
 unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Numeric	Label
	0	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99ARR33:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT31 ----- STAGE III CONDUCTION TYPE AT 1 MIN.

type: numeric (float)  
 label: F99COT31  
 range: [257,512] units: 1  
 unique values: 2 coded missing: 149 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	0	256	OTHER
	1	257	
	28	512	NORMAL

F99COT31:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99COT32 ----- STAGE III CONDUCTION TYPE AT 2 MIN.

type: numeric (float)  
label: F99COT32  
range: [256,512] units: 1  
unique values: 2 coded missing: 164 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	1	256	OTHER
	13	512	NORMAL

F99COT32:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT33 ----- STAGE III CONDUCTION TYPE AT 3 MIN.

type: numeric (float)  
label: F99COT33  
range: [256,512] units: 1  
unique values: 2 coded missing: 161 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	1	256	OTHER
	16	512	NORMAL

F99COT33:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99STD31 ----- STAGE III ST DEPRESSION (MM) AT 1 MIN.

type: numeric (float)  
range: [0,2] units: .1  
unique values: 4 coded missing: 149 / 178

mean: .5  
std. dev: .707107

percentiles:	10%	25%	50%	75%	90%
	0	0	0	1	2

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F99STD32 ----- STAGE III ST DEPRESSION (MM) AT 2 MIN.

type: numeric (float)  
 range: [0,3] units: .1  
 unique values: 4 coded missing: 163 / 178

mean: .566667  
 std. dev: .863272

percentiles: 10% 25% 50% 75% 90%  
 0 0 0 1 1.5

F99STD33 ----- STAGE III ST DEPRESSION (MM) AT 3 MIN.

type: numeric (float)  
 range: [0,3] units: .1  
 unique values: 5 coded missing: 160 / 178

mean: .622222  
 std. dev: .909787

percentiles: 10% 25% 50% 75% 90%  
 0 0 0 1 2

F99JPD31 ----- STAGE III J POINT DEPRESSION AT 1 MIN.

type: numeric (float)  
 label: F99JPD31  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 150 / 178

tabulation: Freq. Numeric Label  
 24 1 NO  
 4 2 YES

F99JPD32 ----- STAGE III J POINT DEPRESSION AT 2 MIN.

type: numeric (float)  
 label: F99JPD32  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 164 / 178

tabulation: Freq. Numeric Label  
 13 1 NO  
 1 2 YES

F99JPD33 ----- STAGE III J POINT DEPRESSION AT 3 MIN.

type: numeric (float)  
 label: F99JPD33  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 160 / 178

tabulation: Freq. Numeric Label  
 16 1 NO  
 2 2 YES



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F99TI31 ----- STAGE III T INVERSION AT ONE MINUTE

type: numeric (float)  
 label: F99TI31

range: [1,2] units: 1  
 unique values: 2 coded missing: 150 / 178

tabulation:	Freq.	Numeric	Label
	26	1	NO
	2	2	YES

F99TI32 ----- STAGE III T INVERSION AT TWO MINUTES

type: numeric (float)  
 label: F99TI32

range: [1,2] units: 1  
 unique values: 2 coded missing: 164 / 178

tabulation:	Freq.	Numeric	Label
	13	1	NO
	1	2	YES

F99TI33 ----- STAGE III T INVERSION AT THREE MINUTES

type: numeric (float)  
 label: F99TI33

range: [1,2] units: 1  
 unique values: 2 coded missing: 160 / 178

tabulation:	Freq.	Numeric	Label
	16	1	NO
	2	2	YES

F99END3 ----- EXERCISE TESTING STOPPED AT STAGE III

type: numeric (float)  
 label: F99END3

range: [1,2] units: 1  
 unique values: 2 coded missing: 139 / 178

tabulation:	Freq.	Numeric	Label
	5	1	NO
	34	2	YES

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F99WL100 ----- PREDICTED 100% MAXIMUM WORKLOAD

type: numeric (float)  
range: [125,1300] units: 1  
unique values: 4 coded missing: 174 / 178  
mean: 518.75  
std. dev: 529.691

percentiles:       10%       25%       50%       75%       90%  
                  125       212.5       325       825       1300

F99P4S ----- STAGE IV SYSTOLIC BLOOD PRESSURE

type: numeric (float)  
range: [115,210] units: 1  
unique values: 4 coded missing: 174 / 178  
mean: 171  
std. dev: 41.2876

percentiles:       10%       25%       50%       75%       90%  
                  115       141       179.5       201       210

F99P4D ----- STAGE IV DIASTOLIC BLOOD PRESSURE

type: numeric (float)  
range: [50,66] units: 1  
unique values: 4 coded missing: 174 / 178  
mean: 58  
std. dev: 6.97615

percentiles:       10%       25%       50%       75%       90%  
                  50       52.5       58       63.5       66

F99RR4 ----- STAGE IV RESPIRATORY RATE

type: numeric (float)  
range: [38,92] units: 1  
unique values: 3 coded missing: 175 / 178  
mean: 59.3333  
std. dev: 28.7286

percentiles:       10%       25%       50%       75%       90%  
                  38       38       48       92       92

F99MV4 ----- STAGE IV MINUTE VENTILATION

type: numeric (float)  
range: [22.3,60.1] units: .1  
unique values: 3 coded missing: 175 / 178  
mean: 34.9333  
std. dev: 21.795

percentiles:       10%       25%       50%       75%       90%  
                  22.3       22.3       22.4       60.1       60.1

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F99V04 ----- STAGE IV VO2 (ML PER KG PER MIN)

type: numeric (float)  
range: [18.1,37.4] units: .1  
unique values: 3 coded missing: 175 / 178  
mean: 24.7  
std. dev: 11.0014

percentiles: 10% 25% 50% 75% 90%  
18.1 18.1 18.6 37.4 37.4

F99VC04 ----- STAGE IV VCO2 (ML PER KG PER MIN)

type: numeric (float)  
range: [9.1,31.3] units: .1  
unique values: 3 coded missing: 175 / 178  
mean: 18  
std. dev: 11.7358

percentiles: 10% 25% 50% 75% 90%  
9.1 9.1 13.6 31.3 31.3

F99TV4 ----- STAGE IV TIDAL VOLUME (ML PER BREATHS)

type: numeric (float)  
range: [540,1260] units: 10  
unique values: 3 coded missing: 175 / 178  
mean: 796.667  
std. dev: 402.036

percentiles: 10% 25% 50% 75% 90%  
540 540 590 1260 1260

F99MET4 ----- STAGE IV METS

type: numeric (float)  
range: [3.6,4.3] units: .1  
unique values: 2 coded missing: 176 / 178  
mean: 3.95  
std. dev: .494975

percentiles: 10% 25% 50% 75% 90%  
3.6 3.6 3.95 4.3 4.3

F99RER4 ----- STAGE IV RER

type: numeric (float)  
range: [.73,.84] units: .01  
unique values: 3 coded missing: 175 / 178  
mean: .77  
std. dev: .060828

percentiles: 10% 25% 50% 75% 90%  
.73 .73 .74 .84 .84

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F99NI4 ----- STAGE IV NUCLIDE IMAGING DONE

```

      type: numeric (float)
      label: F99NI4
      range: [2,2]                      units: 1
unique values: 1                      coded missing: 177 / 178
  tabulation: Freq.  Numeric  Label
                1          2  NOT DONE, REASON GIVEN
  
```

F99VEF4 ----- STAGE IV VENTRICULAR EJECTION FRACTION

```

      type: numeric (float)
      range: [72,80]                    units: 1
unique values: 3                      coded missing: 175 / 178
      mean: 76.6667
      std. dev: 4.16333
percentiles: 10%    25%    50%    75%    90%
              72     72     78     80     80
  
```

F99AHR4 ----- STAGE IV NI AVERAGE HEART RATE

```

      type: numeric (float)
      range: [127,183]                  units: 1
unique values: 4                      coded missing: 174 / 178
      mean: 165.75
      std. dev: 26.1709
percentiles: 10%    25%    50%    75%    90%
              127    150    176.5  181.5  183
  
```

F99ALW4 ----- STAGE IV ANTEROLATERAL WALL MOTION

```

      type: numeric (float)
      label: F99ALW4
      range: [1,1]                      units: 1
unique values: 1                      coded missing: 175 / 178
  tabulation: Freq.  Numeric  Label
                3          1  NORMAL
  
```

F99APW4 ----- STAGE IV APICAL WALL MOTION

```

      type: numeric (float)
      label: F99APW4
      range: [1,1]                      units: 1
unique values: 1                      coded missing: 175 / 178
  tabulation: Freq.  Numeric  Label
                3          1  NORMAL
  
```

F99IW4 ----- STAGE IV INFERIOR WALL MOTION

```

      type: numeric (float)
      label: F99IW4
      range: [1,1]                      units: 1
unique values: 1                      coded missing: 175 / 178
  tabulation: Freq.  Numeric  Label
                3          1  NORMAL
  
```

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---

F99SW4 ----- STAGE IV SEPTAL WALL MOTION

type: numeric (float)  
label: F99SW4

range: [1,1] units: 1  
unique values: 1 coded missing: 175 / 178

tabulation: Freq. Numeric Label  
3 1 NORMAL

F99AIW4 ----- STAGE IV APICAL-INFERIOR WALL MOTION

type: numeric (float)  
label: F99AIW4

range: [1,1] units: 1  
unique values: 1 coded missing: 175 / 178

tabulation: Freq. Numeric Label  
3 1 NORMAL

F99PLW4 ----- STAGE IV POSTERIOR-LATERAL WALL MOTION

type: numeric (float)  
label: F99PLW4

range: [1,1] units: 1  
unique values: 1 coded missing: 175 / 178

tabulation: Freq. Numeric Label  
3 1 NORMAL

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CSSCD FULL COHORT PATIENTS

F99HR41 ----- STAGE IV HEART RATE AT 1 MIN.

```

      type: numeric (float)
      range: [188,188]                units: 1
unique values: 1                    coded missing: 177 / 178
  tabulation: Freq. Value
                1 188
  
```

F99HR42 ----- STAGE IV HEART RATE AT 2 MIN.

```

      type: numeric (float)
      range: [.,.]                    units: .
unique values: 0                    coded missing: 178 / 178
  tabulation: Freq. Value
  
```

F99HR43 ----- STAGE IV HEART RATE AT 3 MIN.

```

      type: numeric (float)
      range: [120,188]                units: 1
unique values: 2                    coded missing: 175 / 178
      mean: 165.333
      std. dev: 39.2598

percentiles:    10%    25%    50%    75%    90%
                120    120    188    188    188
  
```

F99RHT41 ----- STAGE IV RHYTHM TYPE AT ONE MINUTE

```

      type: numeric (float)
      label: F99RHT41
      range: [8,8]                    units: 1
unique values: 1                    coded missing: 177 / 178
  tabulation: Freq. Numeric Label
                0      1 ECTOPIC ATRIAL
                0      2 JUNCTIONAL
                0      4 VENTRICULAR
                1      8 NORMAL
  
```

F99RHT41:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RHT42 ----- STAGE IV RHYTHM TYPE AT TWO MINUTES

```

      type: numeric (float)
      label: F99RHT42
      range: [.,.]                    units: .
unique values: 0                    coded missing: 178 / 178
  tabulation: Freq. Numeric Label
                0      1 ECTOPIC ATRIAL
                0      2 JUNCTIONAL
                0      4 VENTRICULAR
                0      8 NORMAL
  
```

F99RHT42:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99RHT43 ----- STAGE IV RHYTHM TYPE AT THREE MINUTES

type: numeric (float)  
label: F99RHT43

range: [8,8] units: 1  
unique values: 1 coded missing: 175 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	3	8	NORMAL

F99RHT43:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR41 ----- STAGE IV ARRHYTHMIA AT ONE MINUTE

type: numeric (float)  
label: F99ARR41

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Numeric	Label
	0	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99ARR41:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR42 ----- STAGE IV ARRHYTHMIA AT TWO MINUTES

type: numeric (float)  
label: F99ARR42

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Numeric	Label
	0	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99ARR42:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99ARR43 ----- STAGE IV ARRHYTHMIA AT THREE MINUTES

```

    type: numeric (float)
    label: F99ARR43
    range: [.,.]                units: .
unique values: 0                coded missing: 178 / 178
  tabulation: Freq.  Numeric  Label
                0          1  SUPRAVENTRICULAR TACHYCARDIA
                0          2  VENTRICULAR TACHYCARDIA
                0          4  UNIFOCAL PVC'S
                0          8  MULTIFOCAL PVC'S
                0         16  OTHER
  
```

F99ARR43:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT41 ----- STAGE IV CONDUCTION TYPE AT 1 MIN.

```

    type: numeric (float)
    label: F99COT41
    range: [512,512]           units: 1
unique values: 1                coded missing: 177 / 178
  tabulation: Freq.  Numeric  Label
                0          1  RBBB
                0          2  LBBB
                0          4  LAH
                0          8  A-V BLOCK 1
                0         16  A-V BLOCK 2
                0         32  A-V BLOCK 3
                0         64  LPH
                0        128  BIFASICULAR
                0        256  OTHER
                1         512  NORMAL
  
```

F99COT41:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT42 ----- STAGE IV CONDUCTION TYPE AT 2 MIN.

```

    type: numeric (float)
    label: F99COT42
    range: [.,.]                units: .
unique values: 0                coded missing: 178 / 178
  tabulation: Freq.  Numeric  Label
                0          1  RBBB
                0          2  LBBB
                0          4  LAH
                0          8  A-V BLOCK 1
                0         16  A-V BLOCK 2
                0         32  A-V BLOCK 3
                0         64  LPH
                0        128  BIFASICULAR
                0        256  OTHER
                0         512  NORMAL
  
```

F99COT42:

1. Binary coded variable. See Part II for explanation of binary coded variables.



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F99COT43 ----- STAGE IV CONDUCTION TYPE AT 3 MIN.

```

      type: numeric (float)
      label: F99COT43
      range: [512,512]                units: 1
unique values: 1                    coded missing: 175 / 178
  tabulation: Freq.  Numeric  Label
                0         1  RBBB
                0         2  LBBB
                0         4  LAH
                0         8  A-V BLOCK 1
                0        16  A-V BLOCK 2
                0        32  A-V BLOCK 3
                0        64  LPH
                0       128  BIFASCULAR
                0       256  OTHER
                3       512  NORMAL
  
```

F99COT43:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99STD41 ----- STAGE IV S-T DEPRESSION (MM) AT 1 MIN.

```

      type: numeric (float)
      range: [1,1]                units: 1
unique values: 1                    coded missing: 177 / 178
  tabulation: Freq.  Value
                1    1
  
```

F99STD42 ----- STAGE IV S-T DEPRESSION (MM) AT 2 MIN.

```

      type: numeric (float)
      range: [.,.]                units: .
unique values: 0                    coded missing: 178 / 178
  tabulation: Freq.  Value
  
```

F99STD43 ----- STAGE IV S-T DEPRESSION (MM) AT 3 MIN.

```

      type: numeric (float)
      range: [0,0]                units: 0
unique values: 1                    coded missing: 175 / 178
  tabulation: Freq.  Value
                3    0
  
```

F99JPD41 ----- STAGE IV J POINT DEPRESSION AT 1 MIN.

```

      type: numeric (float)
      label: F99JPD41
      range: [1,1]                units: 1
unique values: 1                    coded missing: 177 / 178
  tabulation: Freq.  Numeric  Label
                1         1  NO
  
```

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F99JPD42 ----- STAGE IV J POINT DEPRESSION AT 2 MIN.

type: numeric (float)  
label: F99JPD42  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178  
tabulation: Freq. Numeric Label

F99JPD43 ----- STAGE IV J POINT DEPRESSION AT 3 MIN.

type: numeric (float)  
label: F99JPD43  
range: [1,1] units: 1  
unique values: 1 coded missing: 175 / 178  
tabulation: Freq. Numeric Label  
                  3          1 NO

F99TI41 ----- STAGE IV T INVERSION AT 1 MIN.

type: numeric (float)  
label: F99TI41  
range: [1,1] units: 1  
unique values: 1 coded missing: 177 / 178  
tabulation: Freq. Numeric Label  
                  1          1 NO

F99TI42 ----- STAGE IV T INVERSION AT 2 MIN.

type: numeric (float)  
label: F99TI42  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178  
tabulation: Freq. Numeric Label

F99TI43 ----- STAGE IV T INVERSION AT 3 MIN.

type: numeric (float)  
label: F99TI43  
range: [1,1] units: 1  
unique values: 1 coded missing: 175 / 178  
tabulation: Freq. Numeric Label  
                  3          1 NO

F99END4 ----- EXERCISE TESTING STOPPED AT STAGE IV

type: numeric (float)  
label: F99END4  
range: [1,2] units: 1  
unique values: 2 coded missing: 174 / 178  
tabulation: Freq. Numeric Label  
                  2          1 NO  
                  2          2 YES

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F99WL125 ----- PREDICTED 125% MAXIMUM WORKLOAD

type: numeric (float)  
 range: [150,375] units: 1  
 unique values: 2 coded missing: 176 / 178  
 mean: 262.5  
 std. dev: 159.099  
 percentiles: 10% 25% 50% 75% 90%  
                   150 150 262.5 375 375

F99P5S ----- STAGE V SYSTOLIC BLOOD PRESSURE

type: numeric (float)  
 range: [120,120] units: 10  
 unique values: 1 coded missing: 177 / 178  
 tabulation: Freq. Value  
                   1 120

F99P5D ----- STAGE V DIASTOLIC BLOOD PRESSURE

type: numeric (float)  
 range: [60,60] units: 10  
 unique values: 1 coded missing: 177 / 178  
 tabulation: Freq. Value  
                   1 60

F99RR5 ----- STAGE V RESPIRATORY RATE

type: numeric (float)  
 range: [40,52] units: 1  
 unique values: 2 coded missing: 176 / 178  
 mean: 46  
 std. dev: 8.48528  
 percentiles: 10% 25% 50% 75% 90%  
                   40 40 46 52 52

F99MV5 ----- STAGE V MINUTE VENTILATION

type: numeric (float)  
 range: [24.7,57.7] units: .1  
 unique values: 2 coded missing: 176 / 178  
 mean: 41.2  
 std. dev: 23.3345  
 percentiles: 10% 25% 50% 75% 90%  
                   24.7 24.7 41.2 57.7 57.7

F99V05 ----- STAGE V VO2 (ML PER KG PER MIN)

type: numeric (float)  
 range: [20.5,34] units: .1  
 unique values: 2 coded missing: 176 / 178  
 mean: 27.25  
 std. dev: 9.54594  
 percentiles: 10% 25% 50% 75% 90%  
                   20.5 20.5 27.25 34 34

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 CSSCD FULL COHORT PATIENTS

F99VC05 ----- STAGE V VCO2 (ML PER KG PER MIN)

type: numeric (float)  
 range: [15,21.2] units: .1  
 unique values: 2 coded missing: 176 / 178

mean: 18.1  
 std. dev: 4.38406

percentiles:	10%	25%	50%	75%	90%
	15	15	18.1	21.2	21.2

F99TV5 ----- STAGE V TIDAL VOLUME (ML PER BREATHS)

type: numeric (float)  
 range: [620,1120] units: 10  
 unique values: 2 coded missing: 176 / 178

mean: 870  
 std. dev: 353.553

percentiles:	10%	25%	50%	75%	90%
	620	620	870	1120	1120

F99MET5 ----- STAGE V METS

type: numeric (float)  
 range: [3.9,5.1] units: .1  
 unique values: 2 coded missing: 176 / 178

mean: 4.5  
 std. dev: .848528

percentiles:	10%	25%	50%	75%	90%
	3.9	3.9	4.5	5.1	5.1

F99RER5 ----- STAGE V RER

type: numeric (float)  
 range: [.73,.8] units: .01  
 unique values: 2 coded missing: 176 / 178

mean: .765  
 std. dev: .049497

percentiles:	10%	25%	50%	75%	90%
	.73	.73	.765	.8	.8

F99NI5 ----- STAGE V NUCLIDE IMAGING DONE

type: numeric (float)  
 label: F99NI5  
 range: [.,.] units: .  
 unique values: 0 coded missing: 178 / 178

tabulation: Freq. Numeric Label

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F99VEF5 ----- STAGE V VENTRICULAR EJECTION FRACTION

type: numeric (float)  
 range: [77,87] units: 1  
 unique values: 2 coded missing: 176 / 178  
 mean: 82  
 std. dev: 7.07107  
 percentiles: 10% 25% 50% 75% 90%  
                   77 77 82 87 87

F99AHR5 ----- STAGE V NI AVERAGE HEART RATE

type: numeric (float)  
 range: [127,190] units: 1  
 unique values: 2 coded missing: 176 / 178  
 mean: 158.5  
 std. dev: 44.5477  
 percentiles: 10% 25% 50% 75% 90%  
                   127 127 158.5 190 190

F99ALW5 ----- STAGE V ANTEROLATERAL WALL MOTION

type: numeric (float)  
 label: F99ALW5  
 range: [1,1] units: 1  
 unique values: 1 coded missing: 176 / 178  
 tabulation: Freq. Numeric Label  
                   2 1 NORMAL

F99APW5 ----- STAGE V APICAL WALL MOTION

type: numeric (float)  
 label: F99APW5  
 range: [1,1] units: 1  
 unique values: 1 coded missing: 176 / 178  
 tabulation: Freq. Numeric Label  
                   2 1 NORMAL

F99IW5 ----- STAGE V INFERIOR WALL MOTION

type: numeric (float)  
 label: F99IW5  
 range: [1,1] units: 1  
 unique values: 1 coded missing: 176 / 178  
 tabulation: Freq. Numeric Label  
                   2 1 NORMAL

F99SW5 ----- STAGE V SEPTAL WALL MOTION

type: numeric (float)  
 label: F99SW5  
 range: [1,1] units: 1  
 unique values: 1 coded missing: 176 / 178  
 tabulation: Freq. Numeric Label  
                   2 1 NORMAL

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F99AIW5 ----- STAGE V APICAL-INFERIOR WALL MOTION

type: numeric (float)  
label: F99AIW5

range: [1,1] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	2	1	NORMAL

F99PLW5 ----- STAGE V POSTERIOR-LATERAL WALL MOTION

type: numeric (float)  
label: F99PLW5

range: [1,1] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	2	1	NORMAL

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F99HR51 ----- STAGE V HEART RATE AT 1 MIN.  
           type: numeric (float)  
           range: [.,.]                                  units: .  
 unique values: 0                                  coded missing: 178 / 178  
           tabulation: Freq. Value

F99HR52 ----- STAGE V HEART RATE AT 2 MIN.  
           type: numeric (float)  
           range: [.,.]                                  units: .  
 unique values: 0                                  coded missing: 178 / 178  
           tabulation: Freq. Value

F99HR53 ----- STAGE V HEART RATE AT 3 MIN.  
           type: numeric (float)  
           range: [150,188]                          units: 1  
 unique values: 2                                  coded missing: 176 / 178  
           mean:          169  
           std. dev:      26.8701  
           percentiles:   10%      25%      50%      75%      90%  
                           150      150      169      188      188

F99RHT51 ----- STAGE V RHYTHM TYPE AT ONE MINUTE  
           type: numeric (float)  
           label: F99RHT51  
           range: [.,.]                                  units: .  
 unique values: 0                                  coded missing: 178 / 178  
           tabulation: Freq.  Numeric  Label  
                           0          1  ECTOPIC ATRIAL  
                           0          2  JUNCTIONAL  
                           0          4  VENTRICULAR  
                           0          8  NORMAL

F99RHT51:  
 1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RHT52 ----- STAGE V RHYTHM TYPE AT TWO MINUTES  
           type: numeric (float)  
           label: F99RHT52  
           range: [.,.]                                  units: .  
 unique values: 0                                  coded missing: 178 / 178  
           tabulation: Freq.  Numeric  Label  
                           0          1  ECTOPIC ATRIAL  
                           0          2  JUNCTIONAL  
                           0          4  VENTRICULAR  
                           0          8  NORMAL

F99RHT52:  
 1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99RHT53 ----- STAGE V RHYTHM TYPE AT THREE MINUTES

type: numeric (float)  
label: F99RHT53

range: [8,8] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	2	8	NORMAL

F99RHT53:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR51 ----- STAGE V ARRHYTHMIA AT ONE MINUTE

type: numeric (float)  
label: F99ARR51

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Numeric	Label
	0	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99ARR51:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99ARR52 ----- STAGE V ARRHYTHMIA AT TWO MINUTES

type: numeric (float)  
label: F99ARR52

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Numeric	Label
	0	1	SUPRAVENTRICULAR TACHYCARDIA
	0	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99ARR52:

1. Binary coded variable. See Part II for explanation of binary coded variables.



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F99ARR53 ----- STAGE V ARRHYTHMIA AT THREE MINUTES

```

    type: numeric (float)
    label: F99ARR53
    range: [.,.]          units: .
unique values: 0          coded missing: 178 / 178
  tabulation: Freq.   Numeric  Label
                0         1  SUPRAVENTRICULAR TACHYCARDIA
                0         2  VENTRICULAR TACHYCARDIA
                0         4  UNIFOCAL PVC'S
                0         8  MULTIFOCAL PVC'S
                0        16  OTHER
  
```

F99ARR53:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT51 ----- STAGE V CONDUCTION TYPE AT 1 MIN.

```

    type: numeric (float)
    label: F99COT51
    range: [.,.]          units: .
unique values: 0          coded missing: 178 / 178
  tabulation: Freq.   Numeric  Label
                0         1  RBBB
                0         2  LBBB
                0         4  LAH
                0         8  A-V BLOCK 1
                0        16  A-V BLOCK 2
                0        32  A-V BLOCK 3
                0        64  LPH
                0       128  BIFASICULAR
                0       256  OTHER
                0       512  NORMAL
  
```

F99COT51:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99COT52 ----- STAGE V CONDUCTION TYPE AT 2 MIN.

```

    type: numeric (float)
    label: F99COT52
    range: [.,.]          units: .
unique values: 0          coded missing: 178 / 178
  tabulation: Freq.   Numeric  Label
                0         1  RBBB
                0         2  LBBB
                0         4  LAH
                0         8  A-V BLOCK 1
                0        16  A-V BLOCK 2
                0        32  A-V BLOCK 3
                0        64  LPH
                0       128  BIFASICULAR
                0       256  OTHER
                0       512  NORMAL
  
```

F99COT52:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99COT53 ----- STAGE V CONDUCTION TYPE AT 3 MIN.

type: numeric (float)  
label: F99COT53  
range: [512,512] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASCULAR
	0	256	OTHER
	2	512	NORMAL

F99COT53:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99STD51 ----- STAGE V S-T DEPRESSION (MM) AT 1 MIN.

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99STD52 ----- STAGE V S-T DEPRESSION (MM) AT 2 MIN.

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99STD53 ----- STAGE V S-T DEPRESSION (MM) AT 3 MIN.

type: numeric (float)  
range: [0,0] units: 0  
unique values: 1 coded missing: 176 / 178

tabulation: Freq. Value  
2 0

F99JPD51 ----- STAGE V J POINT DEPRESSION AT 1 MIN.

type: numeric (float)  
label: F99JPD51  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Numeric Label

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CSSCD FULL COHORT PATIENTS

---

F99JPD52 ----- STAGE V J POINT DEPRESSION AT 2 MIN.

type: numeric (float)  
label: F99JPD52

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Numeric Label

F99JPD53 ----- STAGE V J POINT DEPRESSION AT 3 MIN.

type: numeric (float)  
label: F99JPD53

range: [1,1] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation: Freq. Numeric Label  
2 1 NO

F99TI51 ----- STAGE V T INVERSION AT 1 MIN.

type: numeric (float)  
label: F99TI51

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Numeric Label

F99TI52 ----- STAGE V T INVERSION AT 2 MIN.

type: numeric (float)  
label: F99TI52

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Numeric Label

F99TI53 ----- STAGE V T INVERSION AT 3 MIN.

type: numeric (float)  
label: F99TI53

range: [1,1] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation: Freq. Numeric Label  
2 1 NO

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F99RPS1 ----- RECOV 5M BPS (1ST PHASE)

type: numeric (float)  
range: [0,194] units: 1  
unique values: 45 coded missing: 4 / 178  
mean: 124.523  
std. dev: 22.5683

percentiles:        10%        25%        50%        75%        90%  
                         105        114        122        136        150

F99RPS2 ----- RECOV 10M BPS (1ST PHASE)

type: numeric (float)  
range: [0,180] units: 1  
unique values: 30 coded missing: 83 / 178  
mean: 119.211  
std. dev: 19.8032

percentiles:        10%        25%        50%        75%        90%  
                         104        110        118        130        140

F99RP4D1 ----- RECOV 5M BPD (4TH PHASE)

type: numeric (float)  
range: [30,198] units: 1  
unique values: 41 coded missing: 6 / 178  
mean: 66.7558  
std. dev: 16.9212

percentiles:        10%        25%        50%        75%        90%  
                         50        57        67.5        74        82

F99RP4D2 ----- RECOV 10M BPD (4TH PHASE)

type: numeric (float)  
range: [12,94] units: 1  
unique values: 21 coded missing: 83 / 178  
mean: 71  
std. dev: 11.1584

percentiles:        10%        25%        50%        75%        90%  
                         60        68        70        80        84

F99RP5D1 ----- RECOV 5M BPD (5TH PHASE)

type: numeric (float)  
range: [11,94] units: 1  
unique values: 25 coded missing: 82 / 178  
mean: 59.75  
std. dev: 15.1616

percentiles:        10%        25%        50%        75%        90%  
                         40        50        60        70        76

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F99RP5D2 ----- RECOV 10M BPD (5TH PHASE)

type:	numeric (float)				
range:	[20,407]		units:	1	
unique values:	20		coded missing:	103 / 178	
mean:	70.0667				
std. dev:	40.9368				
percentiles:	10%	25%	50%	75%	90%
	50	60	66	70	80

F99RRR1 ----- RECOV 5M RESPIRATORY RATE

type:	numeric (float)				
range:	[10,61]		units:	1	
unique values:	25		coded missing:	107 / 178	
mean:	24.5493				
std. dev:	8.28732				
percentiles:	10%	25%	50%	75%	90%
	17	20	24	28	34

F99RRR2 ----- RECOV 10M RESPIRATORY RATE

type:	numeric (float)				
range:	[12,70]		units:	1	
unique values:	25		coded missing:	113 / 178	
mean:	22.9385				
std. dev:	8.83508				
percentiles:	10%	25%	50%	75%	90%
	15	18	22	24	30

F99RMV1 ----- RECOV 5M MINUTE VENTILATION

type:	numeric (float)				
range:	[2.7,54]		units:	.1	
unique values:	56		coded missing:	104 / 178	
mean:	12.8297				
std. dev:	7.59918				
percentiles:	10%	25%	50%	75%	90%
	6.6	8.7	11.05	15.4	20

F99RMV2 ----- RECOV 10M MINUTE VENTILATION

type:	numeric (float)				
range:	[1,604.8]		units:	.1	
unique values:	43		coded missing:	113 / 178	
mean:	18.6585				
std. dev:	74.0119				
percentiles:	10%	25%	50%	75%	90%
	5.2	6.5	8.1	11	14.9

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F99RV01 ----- RECOV 5M V02 (ML PER KG PER MIN)

type: numeric (float)  
range: [1.4,26] units: .1  
unique values: 42 coded missing: 109 / 178  
mean: 5.97101  
std. dev: 3.69798

percentiles:       10%       25%       50%       75%       90%  
                  3.1       3.7       4.8       6.8       11.6

F99RV02 ----- RECOV 10M V02 (ML PER KG PER MIN)

type: numeric (float)  
range: [2.2,21.8] units: .1  
unique values: 38 coded missing: 117 / 178  
mean: 5.13115  
std. dev: 3.26729

percentiles:       10%       25%       50%       75%       90%  
                  2.9       3.4       4.1       5.3       8.2

F99RVC01 ----- RECOV 5M VCO2 (ML PER KG PER MIN)

type: numeric (float)  
range: [1,19.3] units: .1  
unique values: 42 coded missing: 112 / 178  
mean: 5.93182  
std. dev: 3.07437

percentiles:       10%       25%       50%       75%       90%  
                  2.9       3.9       5.2       7.4       10.3

F99RVC02 ----- RECOV 10M VCO2 (ML PER KG PER MIN)

type: numeric (float)  
range: [0,19.3] units: .1  
unique values: 35 coded missing: 119 / 178  
mean: 4.45763  
std. dev: 3.00776

percentiles:       10%       25%       50%       75%       90%  
                  2.2       2.6       3.5       5.3       8

F99RTV1 ----- RECOV 5M TIDAL VOLUME (ML PER BREATHS)

type: numeric (float)  
range: [0,1208] units: 1  
unique values: 55 coded missing: 106 / 178  
mean: 511.069  
std. dev: 218.676

percentiles:       10%       25%       50%       75%       90%  
                  284       350       484       646       746

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F99RTV2 ----- RECOV 10M TIDAL VOLUME (ML PER BREATHS)

type: numeric (float)  
range: [100,1380] units: 1  
unique values: 45 coded missing: 114 / 178  
mean: 432.344  
std. dev: 205.868

percentiles:        10%        25%        50%        75%        90%  
                         240        308.5        385        528        675

F99RMET1 ----- RECOV 5M METS

type: numeric (float)  
range: [.6,4.6] units: .1  
unique values: 25 coded missing: 108 / 178  
mean: 1.64429  
std. dev: .800296

percentiles:        10%        25%        50%        75%        90%  
                         1        1.2        1.3        1.9        2.7

F99RMET2 ----- RECOV 10M METS

type: numeric (float)  
range: [.7,4.6] units: .1  
unique values: 19 coded missing: 114 / 178  
mean: 1.38281  
std. dev: .736046

percentiles:        10%        25%        50%        75%        90%  
                         .8        1        1.2        1.45        1.9

F99RRER1 ----- RECOV 5M RER

type: numeric (float)  
range: [.68,1.76] units: .01  
unique values: 44 coded missing: 108 / 178  
mean: 1.06186  
std. dev: .222243

percentiles:        10%        25%        50%        75%        90%  
                         .81        .9        1.04        1.18        1.375

F99RRER2 ----- RECOV 10M RER

type: numeric (float)  
range: [.01,1.7] units: .01  
unique values: 31 coded missing: 115 / 178  
mean: .892698  
std. dev: .238491

percentiles:        10%        25%        50%        75%        90%  
                         .7        .8        .85        .97        1.15

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F99RNI ----- RECOVERY NUCLIDE IMAGING DONE

type: numeric (float)  
 label: F99RNI  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 97 / 178  
 tabulation: Freq. Numeric Label  
                   2          1 NOT DONE, NO REASON GIVEN  
                   79          2 NOT DONE, REASON GIVEN

F99RVEF1 ----- RECOV 5M VENTRICULAR EJECTION FRACTION

type: numeric (float)  
 range: [.2,89.9] units: .1  
 unique values: 40 coded missing: 99 / 178  
 mean: 66.2962  
 std. dev: 13.0593  
  
 percentiles:       10%       25%       50%       75%       90%  
                   51        59        65        75        81

F99RVEF2 ----- RECOV 10M VENTRICULAR EJECTION FRACTION

type: numeric (float)  
 range: [29.7,88.4] units: .1  
 unique values: 25 coded missing: 137 / 178  
 mean: 62.4463  
 std. dev: 10.8994  
  
 percentiles:       10%       25%       50%       75%       90%  
                   52.1       57        61        67        78.2

F99RAHR1 ----- RECOV 5M NI AVERAGE HEART RATE

type: numeric (float)  
 range: [55,144] units: 1  
 unique values: 51 coded missing: 62 / 178  
 mean: 102.172  
 std. dev: 17.3081  
  
 percentiles:       10%       25%       50%       75%       90%  
                   81        90        102       115       122

F99RAHR2 ----- RECOV 10M NI AVERAGE HEART RATE

type: numeric (float)  
 range: [65,130] units: 1  
 unique values: 23 coded missing: 133 / 178  
 mean: 90.1778  
 std. dev: 15.1197  
  
 percentiles:       10%       25%       50%       75%       90%  
                   68        83        90        98       115



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F99RALW1 ----- RECOV 5M ANTEROLATERAL WALL MOTION

type: numeric (float)  
 label: F99RALW1  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 123 / 178  
 tabulation: Freq. Numeric Label  
                   54        1    NORMAL  
                   1        2    HYPOKINETIC

F99RALW2 ----- RECOV 10M ANTEROLATERAL WALL MOTION

type: numeric (float)  
 label: F99RALW2  
 range: [1,1] units: 1  
 unique values: 1 coded missing: 168 / 178  
 tabulation: Freq. Numeric Label  
                   10        1    NORMAL

F99RAPW1 ----- RECOV 5M APICAL WALL MOTION

type: numeric (float)  
 label: F99RAPW1  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 104 / 178  
 tabulation: Freq. Numeric Label  
                   72        1    NORMAL  
                   2        2    HYPOKINETIC

F99RAPW2 ----- RECOV 10M APICAL WALL MOTION

type: numeric (float)  
 label: F99RAPW2  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 149 / 178  
 tabulation: Freq. Numeric Label  
                   28        1    NORMAL  
                   1        2    HYPOKINETIC

F99RIW1 ----- RECOV 5M INFERIOR WALL MOTION

type: numeric (float)  
 label: F99RIW1  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 123 / 178  
 tabulation: Freq. Numeric Label  
                   54        1    NORMAL  
                   1        2    HYPOKINETIC

F99RIW2 ----- RECOV 10M INFERIOR WALL MOTION

type: numeric (float)  
 label: F99RIW2  
 range: [1,1] units: 1  
 unique values: 1 coded missing: 168 / 178  
 tabulation: Freq. Numeric Label  
                   10        1    NORMAL

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F99RSW1 ----- RECOV 5M SEPTAL WALL MOTION

type: numeric (float)  
 label: F99RSW1  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 93 / 178  
 tabulation: Freq. Numeric Label  
                   82          1 NORMAL  
                   3          2 HYPOKINETIC

F99RSW2 ----- RECOV 10M SEPTAL WALL MOTION

type: numeric (float)  
 label: F99RSW2  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 138 / 178  
 tabulation: Freq. Numeric Label  
                   39          1 NORMAL  
                   1          2 HYPOKINETIC

F99RAIW1 ----- RECOV 5M APICAL-INFERIOR WALL MOTION

type: numeric (float)  
 label: F99RAIW1  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 110 / 178  
 tabulation: Freq. Numeric Label  
                   67          1 NORMAL  
                   1          2 HYPOKINETIC

F99RAIW2 ----- RECOV 10M APICAL-INFERIOR WALL MOTION

type: numeric (float)  
 label: F99RAIW2  
 range: [1,1] units: 1  
 unique values: 1 coded missing: 155 / 178  
 tabulation: Freq. Numeric Label  
                   23          1 NORMAL

F99RPLW1 ----- RECOV 5M POSTERIOR-LATERAL WALL MOTION

type: numeric (float)  
 label: F99RPLW1  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 93 / 178  
 tabulation: Freq. Numeric Label  
                   84          1 NORMAL  
                   1          2 HYPOKINETIC

F99RPLW2 ----- RECOV 10M POSTERIOR-LATERAL WALL MOTION

type: numeric (float)  
 label: F99RPLW2  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 138 / 178  
 tabulation: Freq. Numeric Label  
                   39          1 NORMAL  
                   1          2 HYPOKINETIC

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F99RHR1 ----- RECOV 5M HEART RATE (BEATS PER MINUTE)

```

    type: numeric (float)
    range: [57,150]                units: 1
unique values: 25                  coded missing: 3 / 178

    mean: 99.8343
    std. dev: 17.8374

    percentiles:    10%    25%    50%    75%    90%
                   79     88     100    107    125
  
```

F99RHR2 ----- RECOV 10M HEART RATE (BEATS PER MINUTE)

```

    type: numeric (float)
    range: [54,150]                units: 1
unique values: 19                  coded missing: 84 / 178

    mean: 90.9574
    std. dev: 15.7322

    percentiles:    10%    25%    50%    75%    90%
                   75     83     88     100    107
  
```

F99RRHT1 ----- RECOV 5M RHYTHM TYPE

```

    type: numeric (float)
    label: F99RRHT1
    range: [8,8]                    units: 1
unique values: 1                    coded missing: 4 / 178
  
```

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	174	8	NORMAL

F99RRHT1:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RRHT2 ----- RECOV 10M RHYTHM TYPE

```

    type: numeric (float)
    label: F99RRHT2
    range: [8,8]                    units: 1
unique values: 1                    coded missing: 86 / 178
  
```

tabulation:	Freq.	Numeric	Label
	0	1	ECTOPIC ATRIAL
	0	2	JUNCTIONAL
	0	4	VENTRICULAR
	92	8	NORMAL

F99RRHT2:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99RARR1 ----- RECOV 5M ARRHYTHMIA

type: numeric (float)  
label: F99RARR1  
range: [1,4] units: 1  
unique values: 3 coded missing: 172 / 178

tabulation:	Freq.	Numeric	Label
	4	1	SUPRAVENTRICULAR TACHYCARDIA
	1	2	VENTRICULAR TACHYCARDIA
	1	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99RARR1:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RARR2 ----- RECOV 10M ARRHYTHMIA

type: numeric (float)  
label: F99RARR2  
range: [1,2] units: 1  
unique values: 2 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	1	1	SUPRAVENTRICULAR TACHYCARDIA
	1	2	VENTRICULAR TACHYCARDIA
	0	4	UNIFOCAL PVC'S
	0	8	MULTIFOCAL PVC'S
	0	16	OTHER

F99RARR2:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RCOT1 ----- RECOV 5M CONDUCTION TYPE

type: numeric (float)  
label: F99RCOT1  
range: [256,512] units: 1  
unique values: 3 coded missing: 4 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	1	256	OTHER
	1	510	
	172	512	NORMAL

F99RCOT1:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F99RCOT2 ----- RECOV 10M CONDUCTION TYPE

type: numeric (float)  
label: F99RCOT2  
range: [256,512] units: 1  
unique values: 2 coded missing: 85 / 178

tabulation:	Freq.	Numeric	Label
	0	1	RBBB
	0	2	LBBB
	0	4	LAH
	0	8	A-V BLOCK 1
	0	16	A-V BLOCK 2
	0	32	A-V BLOCK 3
	0	64	LPH
	0	128	BIFASICULAR
	2	256	OTHER
	91	512	NORMAL

F99RCOT2:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F99RSTD1 ----- RECOV 5M ST DEPRESSION (MM)

type: numeric (float)  
range: [0,2] units: .1  
unique values: 5 coded missing: 3 / 178

mean: .108571  
std. dev: .338499

percentiles:	10%	25%	50%	75%	90%
	0	0	0	0	.5

F99RSTD2 ----- RECOV 10M ST DEPRESSION (MM)

type: numeric (float)  
range: [0,1] units: 1  
unique values: 2 coded missing: 84 / 178

mean: .074468  
std. dev: .263939

percentiles:	10%	25%	50%	75%	90%
	0	0	0	0	0

F99RJPD1 ----- RECOV 5M J POINT DEPRESSION

type: numeric (float)  
label: F99RJPD1  
range: [1,2] units: 1  
unique values: 2 coded missing: 3 / 178

tabulation:	Freq.	Numeric	Label
	171	1	NO
	4	2	YES

CODEBOOK FOR CSSCD FORM 99  
CARDIAC EVALUATION FORM - EXERCISE TESTING FORM- PAGE 19

CSSCD FULL COHORT PATIENTS

---

F99RJPD2 ----- RECOV 10M J POINT DEPRESSION

type: numeric (float)  
label: F99RJPD2

range: [1,2] units: 1  
unique values: 2 coded missing: 83 / 178

tabulation:	Freq.	Numeric	Label
	94	1	NO
	1	2	YES

F99RTI1 ----- RECOV 5M T INVERSION

type: numeric (float)  
label: F99RTI1

range: [1,2] units: 1  
unique values: 2 coded missing: 3 / 178

tabulation:	Freq.	Numeric	Label
	156	1	NO
	19	2	YES

F99RTI2 ----- RECOV 10M T INVERSION

type: numeric (float)  
label: F99RTI2

range: [0,2] units: 1  
unique values: 3 coded missing: 83 / 178

tabulation:	Freq.	Numeric	Label
	1	0	
	85	1	NO
	9	2	YES

## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

---

F99DUREX ----- TOTAL DURATION OF EXERCISE (MINUTES)

type: numeric (float)

range: [10,301] units: 1  
unique values: 32 coded missing: 4 / 178

mean: 55.9885  
std. dev: 27.9986

percentiles: 10% 25% 50% 75% 90%  
30 40 55 60 80

F99MAXST ----- MAXIMUM STAGE COMPLETED

type: numeric (float)

range: [0,5] units: 1  
unique values: 6 coded missing: 4 / 178

tabulation: Freq. Value  
5 0  
71 1  
82 2  
13 3  
1 4  
2 5

F99PCT ----- PCT OF PREDICTED MAX WORKLOAD COMPLETED

type: numeric (float)

range: [0,205] units: 1  
unique values: 19 coded missing: 22 / 178

mean: 41.2564  
std. dev: 23.5215

percentiles: 10% 25% 50% 75% 90%  
25 25 50 50 50

F99TOTWL ----- TOTAL WORKLOAD COMPLETED

type: numeric (float)

range: [25,1000] units: 1  
unique values: 42 coded missing: 7 / 178

mean: 349.351  
std. dev: 159.357

percentiles: 10% 25% 50% 75% 90%  
155 230 300 450 600

## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

F99EME ----- MARKED EXHAUSTION  
type: numeric (float)  
label: F99EME  
range: [1,1] units: 1  
unique values: 1 coded missing: 18 / 178  
tabulation: Freq. Numeric Label  
160 1 YES

F99EMES ----- STAGE OF MARKED EXHAUSTION  
type: numeric (float)  
range: [1,4] units: 1  
unique values: 4 coded missing: 30 / 178  
tabulation: Freq. Value  
27 1  
92 2  
27 3  
2 4

F99EMEM ----- MINUTE OF MARKED EXHAUSTION  
type: numeric (float)  
range: [1,9] units: 1  
unique values: 9 coded missing: 31 / 178  
tabulation: Freq. Value  
25 1  
34 2  
43 3  
12 4  
6 5  
17 6  
8 7  
1 8  
1 9

F99EHR ----- HEART RATE > 210 BEATS PER MIN.  
type: numeric (float)  
label: F99EHR  
range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178  
tabulation: Freq. Numeric Label  
1 0 NO

F99EHRS ----- STAGE OF HEART RATE > 210 BEATS  
type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178  
tabulation: Freq. Value

F99EHRM ----- MINUTE OF HEART RATE > 210 BEATS  
type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178  
tabulation: Freq. Value



## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

---

F99EDIZ ----- DIZZINESS

type: numeric (float)  
label: F99EDIZ  
range: [0,1] units: 1  
unique values: 2 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO
	1	1	YES

F99EDIZS ----- STAGE OF DIZZINESS

type: numeric (float)  
range: [2,2] units: 1  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Value
	1	2

F99EDIZM ----- MINUTE OF DIZZINESS

type: numeric (float)  
range: [2,2] units: 1  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Value
	1	2

F99ESYN ----- SYNCOPE

type: numeric (float)  
label: F99ESYN  
range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO

F99ESYNS ----- STAGE OF SYNCOPE

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Value

F99ESYNM ----- MINUTE OF SYNCOPE

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Value

## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

---

F99ECP ----- CHEST PAIN

type: numeric (float)  
label: F99ECP  
range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO

F99ECPs ----- STAGE OF CHEST PAIN

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Value
-------------	-------	-------

F99ECPM ----- MINUTE OF CHEST PAIN

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Value
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F99ESTD ----- S-T DEPRESSION > 2 MM

type: numeric (float)  
label: F99ESTD  
range: [0,1] units: 1  
unique values: 2 coded missing: 174 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO
	3	1	YES

F99ESTDS ----- STAGE OF S-T DEPRESSION > 2 MM

type: numeric (float)  
range: [2,2] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation:	Freq.	Value
	2	2

F99ESTDM ----- MINUTE OF S-T DEPRESSION > 2 MM

type: numeric (float)  
range: [1,1] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation:	Freq.	Value
	2	1

## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

---

F99EPF1 ----- FALL IN BPS > 10 MM FROM PREVIOUS

type: numeric (float)  
label: F99EPF1

range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO

F99EPF1S ----- STAGE BPS FELL > 10 MM

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99EPF1M ----- MINUTE BPS FELL > 10 MM

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99EPF2 ----- FALL IN BPS BELOW RESTING LEVEL

type: numeric (float)  
label: F99EPF2

range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO

F99EPF2S ----- STAGE BPS FELL BELOW RESTING LEVEL

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99EPF2M ----- MINUTE BPS FELL BELOW RESTING LEVEL

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

---

F99EHSP ----- BPS > 220

type: numeric (float)  
label: F99EHSP  
range: [0,1] units: 1  
unique values: 2 coded missing: 174 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO
	3	1	YES

F99EHSPS ----- STAGE BPS > 220

type: numeric (float)  
range: [1,1] units: 1  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Value
	1	1

F99EHSPM ----- MINUTE BPS > 220

type: numeric (float)  
range: [3,3] units: 1  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Value
	1	3

F99ESVT ----- SUPRAVENTRICULAR TACHYCARDIA

type: numeric (float)  
label: F99ESVT  
range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO

F99ESVTS ----- STAGE SUPRAVENTRICULAR TACHYCARDIA

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Value
-------------	-------	-------

F99ESVTM ----- MINUTE SUPRAVENTRICULAR TACHYCARDIA

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation:	Freq.	Value
-------------	-------	-------

## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

---

F99EVT ----- VENTRICULAR TACHYCARDIA

type: numeric (float)  
label: F99EVT

range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178

tabulation: Freq. Numeric Label  
1 0 NO

F99EVTS ----- STAGE VENTRICULAR TACHYCARDIA

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99EVTM ----- MINUTE VENTRICULAR TACHYCARDIA

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99EUPC ----- UNIFOCAL PVCs > 25% OF RESTING HR

type: numeric (float)  
label: F99EUPC

range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178

tabulation: Freq. Numeric Label  
1 0 NO

F99EUPCS ----- STAGE OF UNIFOCAL PVCs

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99EUPCM ----- MINUTE OF UNIFOCAL PVCs

type: numeric (float)

range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

F99EMPC ----- MULTIFOCAL PVCs

type: numeric (float)  
label: F99EMPC  
range: [0,0] units: 0  
unique values: 1 coded missing: 177 / 178

tabulation: Freq. Numeric Label  
1 0 NO

F99EMPCS ----- STAGE OF MULTIFOCAL PVCs

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99EMPCM ----- MINUTE OF MULTIFOCAL PVCs

type: numeric (float)  
range: [.,.] units: .  
unique values: 0 coded missing: 178 / 178

tabulation: Freq. Value

F99EECG ----- FAILURE OF ECG SYSTEM

type: numeric (float)  
label: F99EECG  
range: [0,1] units: 1  
unique values: 2 coded missing: 175 / 178

tabulation: Freq. Numeric Label  
1 0 NO  
2 1 YES

F99EECGS ----- STAGE OF ECG SYSTEM FAILURE

type: numeric (float)  
range: [2,2] units: 1  
unique values: 1 coded missing: 177 / 178

tabulation: Freq. Value  
1 2

F99EECGM ----- MINUTE OF ECG SYSTEM FAILURE

type: numeric (float)  
range: [3,3] units: 1  
unique values: 1 coded missing: 177 / 178

tabulation: Freq. Value  
1 3

## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

---

F99E125 ----- COMPLETED 125% OF PREDICTED MAX WORKLOAD

type: numeric (float)  
label: F99E125

range: [1,1] units: 1  
unique values: 1 coded missing: 176 / 178

tabulation:	Freq.	Numeric	Label
	2	1	YES

F99E0TH ----- OTHER REASON FOR STOPPING

type: numeric (float)  
label: F99E0TH

range: [0,1] units: 1  
unique values: 2 coded missing: 159 / 178

tabulation:	Freq.	Numeric	Label
	1	0	NO
	18	1	YES

F99E0THS ----- STAGE STOPPED FOR OTHER REASON

type: numeric (float)

range: [1,3] units: 1  
unique values: 3 coded missing: 160 / 178

tabulation:	Freq.	Value
	5	1
	11	2
	2	3

F99E0THM ----- MINUTE STOPPED FOR OTHER REASON

type: numeric (float)

range: [1,2] units: 1  
unique values: 2 coded missing: 176 / 178

tabulation:	Freq.	Value
	1	1
	1	2

\_dta:

1. Created 7/12/2000.

MM. List of variables deleted **F98INIT F98NDATE F98LASTU F98LASTE  
F98ESTAT F98VDATE F98DATE F98DFC F98FCB F98TXDD F98CHDD  
F98MID F98CASD**

NN. List of variables modified **F98RFD F98HIBPD F98AHRD F98AHDD**

OO. List of variables modified with a name change **NONE**

PP. Old name

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## 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

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QQ. New name

RR. List of variables modified date to days since DOE

SS. Old name **F98DATE F98TXDD**

TT. New name **JF98DATE JF98TXDD**

UU.

VV. Collection Information:

**Form 98 (Cardiac Evaluation – History and Physical)** was to be completed for patients participating in the cardiac ancillary study. Only HbSS patients  $\geq 5$  years of age from four clinical centers (centers “G”, “M”, “P”, and “Y”) participated in the study. The first set of evaluations was done in 1982 and 1983. Repeat evaluations were completed between 1986 and 1988.

WW. Data Collection Period: 02/82 – 06/88

XX. Form Version Dates: 03/08/82

YY. Files Used to Store Information:

SAS System Files: **R98.SD2**

Format Files: **R98.FMT**

ZZ. Unique Record Identifiers: **ANONID, F98CYCLE**

Records within the dataset are sorted by **ANONID** and **F98CYCLE**

AAA. Number of Observations (Patients) in SAS Dataset: 386 (247)

BBB. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 1-5
- Listing of Variables by Position: See pp. 6-10

CCC. Notes About Selected Variables:

- **F98CHDT, F98AHRT, F98AHD, F98THRIL, F98MURM, F98SEMRB, F98SEMLB, F98SEMSB, F98SEMAP, F98PANRB, F98PANLB, F98PANSB, F98PANAP, F98RUMRB, F98RUMLB, F98RUMSB, F98RUMAP, F98REGRB, R98REGLB, F98REGSB, F98REGAP, F98NOET** – are binary coded variables. See Part II for explanation of binary coded variables.

DDD. Computed Variables: None



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### 6.9.1: Cardiac Evaluation – Part 1: History and Physical – Form 98

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EEE. Inter-Relationship With Other Datasets:

Data relevant to cardiac function were also collected on

<b>Phase 1 Forms</b>	<b>SAS Dataset</b>	<b>See Section</b>
Form 99	<b>R99.SD2</b>	6.9.2
	<b>R97.SD2</b>	6.9.3
Form 11	<b>R1121.SD2</b>	4.3
Forms 17, 19, 20, 21, 24	<b>R1722.SD2</b>	4.5
Form 25	<b>R25.SD2</b>	4.6
Form 94	<b>R94.SD2</b>	6.8.1
Form 26	<b>R20.SD2</b>	10.1
“Roster”	<b>R09.SD2</b>	1.0 (variable: <b>CARDSTAT</b> )