

FRAMINGHAM HEART STUDY - CODING MANUAL

WALK TEST DATA

COHORT: OFFSPRING

DATA COLLECTION TIME FRAME: EXAM 7

SAS DATASET NAME: T\_WKTEST\_EX07\_1\_0016D.SAS7BDAT

#RECORDS: 3322

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

<u>VARIABLE</u>	<u>INFORMATION</u>
IDTYPE	FRAMINGHAM HEART STUDY COHORT IDENTIFIER 1 = OFFSPRING COHORT
ID	FRAMINGHAM HEART STUDY PARTICIPANT ID NUMBER **DELETED TO PRESERVE CONFIDENTIALITY, USE RANDOM ID (PID)
PID	RANDOM ID **RANDOM ID REPLACES FRAMINGHAM ID TO PRESERVE CONFIDENTIALITY
SEX	SEX **DELETED DUE TO REDUNDANCY, REFER TO MOST RECENT DATES FILE
EXAM	EXAM CYCLE 7
TECHID	TECHNICIAN ID 19 OR 601 <i>NOTE: Investigators should consider adjusting for the technician performing the walk test as a covariate in the analyses. Very modest differences were noted between the two technicians performing the walk test for measurement of diastolic blood pressure during exercise over the course of the examination cycle.</i> **DELETED, USED FOR ADMINISTRATIVE PURPOSES ONLY
STUDY_DA	DATE WALKTEST COMPLETED **MODIFIED TO NUMBER OF DAYS SINCE EXAM 1 TO PRESERVE CONFIDENTIALITY
STUDY_TY	STUDY TYPE 0 = EXAM 1 = REPEAT STUDY 2 = REPRODUCIBILITY 3 = OTHER

FILEID FILE ID NUMBER  
CHARACTER FIELD  
. = UNKNOWN (1103)  
\*\*DELETED, USED FOR ADMINISTRATIVE PURPOSES ONLY

WT001 TEST DONE  
1 = YES  
2 = NO

WT002 IF TEST NOT DONE, REASON FOR EXCLUSION  
1 = CAD  
2 = MI  
3 = CABG  
4 = PTCA  
5 = ANGINA  
6 = CHF  
7 = ARRHYTHMIA  
8 = OTHER HEART SURGERY  
9 = ORTHOPEDIC CONDITION  
10 = SUBJECT REFUSAL  
11 = CARDIAC MEDS (DIGITALIS/NITROGLYCERINE)  
12 = PACEMAKER  
13 = OTHER REASON  
. = UNKNOWN (2437)

*NOTE: Some participants had a pacemaker or were taking cardiac glycosides (digoxin), as indicated by variable wt002 = 11 or 12. Data on heart rate and blood pressure response (baseline, and during exercise and recovery) may be useable for these participants, though interpretation of ST segment should not be used for these individuals.*

WT003 COMMENTS FOR TEST NOT DONE  
CHARACTER VARIABLE  
MISSING IF TEST WAS DONE (WT001 = 1)  
OR NO COMMENTS FOR TEST NOT DONE (2701)

WT004 TEST COMPLETED  
0 = NO  
1 = YES  
. = UNKNOWN OR TEST NOT DONE (881)

WT005 IF TEST NOT COMPLETED, REASON FOR ABORTING TEST  
1 = CHEST PAIN  
2 = DYSPNEA  
3 = FATIGUE  
4 = LIGHTHEADEDNESS  
5 = ARRHYTHMIA  
6 = CLAUDICATION  
7 = LEG DISCOMFORT  
8 = FALL IN BP  
9 = ST SEGMENT CHANGES  
10= SIGNIFICANT HTN  
11= OTHER REASON  
. = UNKNOWN (3032)

WT006 COMMENT 1 FOR TEST NOT COMPLETED  
CHARACTER VARIABLE  
MISSING IF TEST WAS COMPLETED (WT004 = 1)  
OR NO COMMENTS FOR TEST NOT COMPLETED (3071)  
DELETED TO PRESERVE CONFIDENTIALITY

WT007 COMMENT 2 FOR TEST NOT COMPLETED  
CHARACTER VARIABLE  
MISSING IF TEST WAS COMPLETED (WT004 = 1)  
OR NO COMMENTS FOR TEST NOT COMPLETED (3241)  
DELETED TO PRESERVE CONFIDENTIALITY

WT008 TARGET HEART RATE - BPM  
108 - 161  
. = UNKNOWN (0)  
NOTE: 901 PEOPLE DID NOT HAVE TARGET HEART RATE READ FROM THE  
ECG, SO THESE PEOPLE HAD TARGET HEART RATE CALCULATED ACCORDING  
TO THE FORMULA BELOW:  
IF AGE7 LT 25 THEN WT008 = 160;  
ELSE IF 25 LE AGE7 LE 75 THEN WT008 = 160 - ((AGE7 - 25) \* 45 / 50);  
ELSE IF AGE7 GT 75 THEN WT008 = 115;

WT009 EXERCISE TIME - MINUTES  
0 - 6  
. = UNKNOWN (889)  
NOTE: IF TEST WAS DONE AND COMPLETED THEN WT009 = 6 AND  
WT009\_1 = 0;

WT009\_1 EXERCISE TIME - SECONDS  
0 - 59  
. = UNKNOWN (889)  
NOTE: IF TEST WAS DONE AND COMPLETED THEN WT009 = 6 AND  
WT009\_1 = 0;

WT010 TARGET HEART RATE ACHIEVED  
0 = NO  
1 = YES  
. = UNKNOWN (908)

WT011 METS ACHIEVED  
1 - 7.5  
. = UNKNOWN (893)

WT012 MAXIMAL RPP ACHIEVED (TIMES 1000)  
76 - 527  
. = UNKNOWN (900)

WT013 MAXIMAL ST / HR SLOPE (MICROVOLTS/MINUTE)  
0 - 11.459  
. = UNKNOWN (1414)

WT014           ARRHYTHMIA NOTED  
                   0 = NO  
                   1 = YES  
                   2 = MAYBE/UNSURE  
                   . = UNKNOWN (890)  
 NOTE: *USE THIS VARIABLE IN CONJUNCTION WITH RHYTHM*  
           *VARIABLES: WT032-WT032\_4, WT047-WT047\_4, WT069-WT069\_4*

WT015           READER ID  
 \*\*DELETED, USED FOR ADMINISTRATIVE PURPOSES ONLY

WT016           READING  
 \*\*DELETED, USED FOR ADMINISTRATIVE PURPOSES ONLY

WT017           INTERPRETATION DATE  
 \*\*DELETED, USED FOR ADMINISTRATIVE PURPOSES ONLY

WT018           SUPINE SBP  
                   84 - 200  
                   . = UNKNOWN (871)

WT019           SUPINE DBP  
                   46 - 110  
                   . = UNKNOWN (877)

WT020           SUPINE HEART RATE  
                   37 - 113  
                   . = UNKNOWN (876)

WT021           SUPINE ST DEPRESSION (2, 3, aVF)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (979)  
 NOTE: *IF WT032\_4 = 1 (BBB),*  
           *THEN WT021 - WT024 AND WT028 - WT031 = "."*

WT022           SUPINE ST DEPRESSION (1, aVL)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (979)  
 NOTE: *IF WT032\_4 = 1 (BBB),*  
           *THEN WT021 - WT024 AND WT028 - WT031 = "."*

WT023            SUPINE ST DEPRESSION (V1 - V4)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (979)  
 NOTE: IF WT032\_4 = 1 (BBB),  
                   THEN WT021 - WT024 AND WT028 - WT031 = ". "

WT024            SUPINE ST DEPRESSION (V5, V6)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (979)  
 NOTE: IF WT032\_4 = 1 (BBB),  
                   THEN WT021 - WT024 AND WT028 - WT031 = ". "

WT025            STANDING SBP  
                   60 - 200  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (882)

WT026            STANDING DBP  
                   30 - 110  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (903)

WT027            STANDING HEART RATE  
                   43 - 137  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (883)

WT028            STANDING ST DEPRESSION (2, 3, aVF)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (986)  
 NOTE: IF WT032\_4 = 1 (BBB),  
                   THEN WT021 - WT024 AND WT028 - WT031 = ". "

WT029            STANDING ST DEPRESSION (1, aVL)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (986)  
 NOTE: IF WT032\_4 = 1 (BBB),  
                   THEN WT021 - WT024 AND WT028 - WT031 = ". "

WT030                   STANDING ST DEPRESSION (V1 - V4)  
                           0 = (< 1 mm)  
                           1 = (> OR = 1, <2 mm)  
                           2 = (> OR = 2)  
                           3 = ELEVATION  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (986)  
 NOTE: IF WT032\_4 = 1 (BBB),  
                           THEN WT021 - WT024 AND WT028 - WT031 = ". "

WT031                   STANDING ST DEPRESSION (V5, V6)  
                           0 = (< 1 mm)  
                           1 = (> OR = 1, <2 mm)  
                           2 = (> OR = 2)  
                           3 = ELEVATION  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (986)  
 NOTE: IF WT032\_4 = 1 (BBB),  
                           THEN WT021 - WT024 AND WT028 - WT031 = ". "

WT032                   RHYTHM OF SUPINE AND STANDING - NORMAL  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (886)

WT032\_1                 RHYTHM OF SUPINE AND STANDING - VBPs  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (886)

WT032\_2                 RHYTHM OF SUPINE AND STANDING - VT  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (886)

WT032\_3                 RHYTHM OF SUPINE AND STANDING - APCs  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (886)

WT032\_4                 RHYTHM OF SUPINE AND STANDING - BBB  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (886)  
 NOTE: IF WT032\_4 = 1 (BBB),  
                           THEN WT021 - WT024 AND WT028 - WT031 = ". "

WT033                   STAGE 1 SBP  
                           80 - 234  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (961)

WT034                   STAGE 1 DBP  
                           40 - 120  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (992)

WT035           STAGE 1 HEART RATE  
                   61 - 177  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (929)

WT036           STAGE 1 ST DEPRESSION (2, 3, aVF)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1041)  
 NOTE: *IF WT047\_4 = 1 (BBB),*  
                   *THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT037           STAGE 1 ST DEPRESSION (1, aVL)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1042)  
 NOTE: *IF WT047\_4 = 1 (BBB),*  
                   *THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT038           STAGE 1 ST DEPRESSION (V1 - V4)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1039)  
 NOTE: *IF WT047\_4 = 1 (BBB),*  
                   *THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT039           STAGE 1 ST DEPRESSION (V5, V6)  
                   0 = (< 1 mm)  
                   1 = (> OR = 1, <2 mm)  
                   2 = (> OR = 2)  
                   3 = ELEVATION  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1039)  
 NOTE: *IF WT047\_4 = 1 (BBB),*  
                   *THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT040           STAGE 2 / PEAK EXERCISE SBP  
                   90 - 252  
                   . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1153)  
 NOTE: *IF EXERCISE TIME IS LESS THEN 3 MINS, THEN WT040 - WT046*  
                   *ARE UNKNOWN. IF EXERCISE TIME IS MORE THAN 3 MINS, THEN*  
                   *WT043 - WT046 SHOULD BE FILLED IN, EXCEPT DUE TO*  
                   *ARTIFACT.*

WT041                   STAGE 2 / PEAK EXERCISE DBP  
                          38 - 124  
                          . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1184)  
NOTE: *IF EXERCISE TIME IS LESS THEN 3 MINS, THEN WT040 - WT046  
      ARE UNKNOWN. IF EXERCISE TIME IS MORE THAN 3 MINS, THEN  
      WT043 - WT046 SHOULD BE FILLED IN, EXCEPT DUE TO  
      ARTIFACT.*

WT042                   STAGE 2 / PEAK EXERCISE HEART RATE  
                          73 - 192  
                          . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1022)  
NOTE: *IF EXERCISE TIME IS LESS THEN 3 MINS, THEN WT040 - WT046  
      ARE UNKNOWN. IF EXERCISE TIME IS MORE THAN 3 MINS, THEN  
      WT043 - WT046 SHOULD BE FILLED IN, EXCEPT DUE TO  
      ARTIFACT.*

WT043                   STAGE 2 / PEAK EXERCISE ST DEPRESSION (2, 3, aVF)  
                          0 = (< 1 mm)  
                          1 = (> OR = 1, <2 mm)  
                          2 = (> OR = 2)  
                          3 = ELEVATION  
                          . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1109)  
NOTE: *IF EXERCISE TIME IS LESS THEN 3 MINS, THEN WT040 - WT046  
      ARE UNKNOWN. IF EXERCISE TIME IS MORE THAN 3 MINS, THEN  
      WT043 - WT046 SHOULD BE FILLED IN, EXCEPT DUE TO  
      ARTIFACT.*  
NOTE: *IF WT047\_4 = 1 (BBB),  
      THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT044                   STAGE 2 / PEAK EXERCISE ST DEPRESSION (1, aVL)  
                          0 = (< 1 mm)  
                          1 = (> OR = 1, <2 mm)  
                          2 = (> OR = 2)  
                          3 = ELEVATION  
                          . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1110)  
NOTE: *IF EXERCISE TIME IS LESS THEN 3 MINS, THEN WT040 - WT046  
      ARE UNKNOWN. IF EXERCISE TIME IS MORE THAN 3 MINS, THEN  
      WT043 - WT046 SHOULD BE FILLED IN, EXCEPT DUE TO  
      ARTIFACT.*  
NOTE: *IF WT047\_4 = 1 (BBB),  
      THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT045                   STAGE 2 / PEAK EXERCISE ST DEPRESSION (V1 - V4)  
                           0 = (< 1 mm)  
                           1 = (> OR = 1, <2 mm)  
                           2 = (> OR = 2)  
                           3 = ELEVATION  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1110)  
 NOTE: *IF EXERCISE TIME IS LESS THEN 3 MINS, THEN WT040 - WT046  
 ARE UNKNOWN. IF EXERCISE TIME IS MORE THAN 3 MINS, THEN  
 WT043 - WT046 SHOULD BE FILLED IN, EXCEPT DUE TO  
 ARTIFACT.*  
 NOTE: *IF WT047\_4 = 1 (BBB),  
 THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT046                   STAGE 2 / PEAK EXERCISE ST DEPRESSION (V5, V6)  
                           0 = (< 1 mm)  
                           1 = (> OR = 1, <2 mm)  
                           2 = (> OR = 2)  
                           3 = ELEVATION  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (1109)  
 NOTE: *IF EXERCISE TIME IS LESS THEN 3 MINS, THEN WT040 - WT046  
 ARE UNKNOWN. IF EXERCISE TIME IS MORE THAN 3 MINS, THEN  
 WT043 - WT046 SHOULD BE FILLED IN, EXCEPT DUE TO  
 ARTIFACT.*  
 NOTE: *IF WT047\_4 = 1 (BBB),  
 THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT047                   RHYTHM OF STAGE 1 AND STAGE 2 (PEAK EXERCISE) - NORMAL  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (924)

WT047\_1                 RHYTHM OF STAGE 1 AND STAGE 2 (PEAK EXERCISE) - VBPs  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (924)

WT047\_2                 RHYTHM OF STAGE 1 AND STAGE 2 (PEAK EXERCISE) - VT  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (924)

WT047\_3                 RHYTHM OF STAGE 1 AND STAGE 2 (PEAK EXERCISE) - APCs  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (924)

WT047\_4                 RHYTHM OF STAGE 1 AND STAGE 2 (PEAK EXERCISE) - BBB  
                           1 = CIRCLED  
                           0 = NOT CIRCLED  
                           . = UNKNOWN OR ARTIFACT OR TEST STOPPED (924)  
 NOTE: *IF WT047\_4 = 1 (BBB),  
 THEN WT036 - WT039 AND WT043 - WT046 = "."*

WT048 RECOVERY IMMEDIATE SBP  
70 - 254  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (909)

WT049 RECOVERY IMMEDIATE DBP  
28 - 120  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (1141)

WT050 RECOVERY IMMEDIATE HEART RATE  
49 - 169  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (906)

WT051 RECOVERY IMMEDIATE ST DEPRESSION (2, 3, aVF)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (992)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT052 RECOVERY IMMEDIATE ST DEPRESSION (1, aVL)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (992)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT053 RECOVERY IMMEDIATE ST DEPRESSION (V1 - V4)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (993)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT054 RECOVERY IMMEDIATE ST DEPRESSION (V5, V6)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (993)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT055 RECOVERY 3 MINUTES SBP  
82 - 230  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED(902)

WT056 RECOVERY 3 MINUTES DBP  
34 - 110  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (917)

WT057 RECOVERY 3 MINUTES HEART RATE  
37 - 123  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (902)

WT058 RECOVERY 3 MINUTES ST DEPRESSION (2, 3, aVF)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (989)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT059 RECOVERY 3 MINUTES ST DEPRESSION (1, aVL)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (989)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT060 RECOVERY 3 MINUTES ST DEPRESSION (V1 - V4)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (989)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT061 RECOVERY 3 MINUTES ST DEPRESSION (V5, V6)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (990)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT062 RECOVERY 5 MINUTES SBP  
78 - 214  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (905)

WT063 RECOVERY 5 MINUTES DBP  
48 - 112  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (909)

WT064 RECOVERY 5 MINUTES HEART RATE  
37 - 119  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (911)

WT065 RECOVERY 5 MINUTES ST DEPRESSION (2, 3, aVF)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (991)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT066 RECOVERY 5 MINUTES ST DEPRESSION (1, aVL)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (991)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT067 RECOVERY 5 MINUTES ST DEPRESSION (V1 - V4)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (991)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT068 RECOVERY 5 MINUTES ST DEPRESSION (V5, V6)  
0 = (< 1 mm)  
1 = (> OR = 1, <2 mm)  
2 = (> OR = 2)  
3 = ELEVATION  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (991)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT069 RHYTHM OF RECOVERY IMMEDIATE AND RECOVERY 3 MINUTES AND  
RECOVERY 5 MINUTES - NORMAL  
1 = CIRCLED  
0 = NOT CIRCLED  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (896)

WT069\_1 RHYTHM OF RECOVERY IMMEDIATE AND RECOVERY 3 MINUTES AND  
RECOVERY 5 MINUTES - VBPs  
1 = CIRCLED  
0 = NOT CIRCLED  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (896)

WT069\_2 RHYTHM OF RECOVERY IMMEDIATE AND RECOVERY 3 MINUTES AND  
RECOVERY 5 MINUTES - VT  
1 = CIRCLED  
0 = NOT CIRCLED  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (896)

WT069\_3 RHYTHM OF RECOVERY IMMEDIATE AND RECOVERY 3 MINUTES AND  
RECOVERY 5 MINUTES - APCs  
1 = CIRCLED  
0 = NOT CIRCLED  
. = UNKNOWN OR ARTIFACT OR TEST STOPPED (896)

WT069\_4 RHYTHM OF RECOVERY IMMEDIATE AND RECOVERY 3 MINUTES AND  
RECOVERY 5 MINUTES - BBB  
1 = CIRCLED  
0 = NOT CIRCLED  
. = UNKNOWN OR ARTIFACT OF TEST STOPPED (896)  
NOTE: IF WT069\_4 = 1 (BBB), THEN WT051 - WT054 AND  
WT058 - WT061 AND WT065 - WT068 = "."

WT070 TEST INTERPRETATION  
1 = POSITIVE  
2 = BORDERLINE  
3 = NEGATIVE  
4 = INCONCLUSIVE  
. = UNKNOWN OR TEST STOPPED (1926)