

FRAMINGHAM HEART STUDY CODING MANUAL

Cognitive Function Test - Mini Mental State Exam (MMSE)

COHORT: Original

TIME INTERVAL: Exam performed at Exam 17 through Exam 32

DATASET NAME: vr_mmse_ex32_0_0945d

OBSERVATIONS: 13242

Variables that define a unique record: PID, EXAM.

There are multiple records per person (per IDTYPE and ID).

6 = No Try was converted to unknown by the data programmer.

This dataset replaces vr_mmse_ex31_0_0773.

This dataset is a modified version of the original dataset. Some observations were deleted due to consent restrictions. This coding manual is based on the original dataset. Therefore the value ranges, number of observations and/or cohorts found in the modified dataset, may differ from those stated in this manual.

IDTYPE

Variable name: IDTYPE

Description: Framingham Heart Study cohort identifier

| Code or Value | Description | Count |
|---------------|-----------------|-------|
| 0 | Original Cohort | 13242 |
| . | Unknown | 0 |

Note: IDTYPE and ID taken together form a unique study participant ID number.

ID

Variable name: ID

Description: Framingham Heart Study participant identifier within a cohort

Note: IDTYPE and ID taken together form a unique study participant ID number.

ID deleted - use random ID (PID)

PID

Variable name: PID

Description: Random ID

EXAM**Variable name:** EXAM**Description:** EXAM NUMBER

| Code or Value | Description | Count |
|---------------|--------------------------|-------|
| 17 | Original Cohort, Exam 17 | 2109 |
| 18 | Original Cohort, Exam 18 | 1797 |
| 19 | Original Cohort, Exam 19 | 1502 |
| 20 | Original Cohort, Exam 20 | 1334 |
| 21 | Original Cohort, Exam 21 | 1242 |
| 22 | Original Cohort, Exam 22 | 1085 |
| 23 | Original Cohort, Exam 23 | 996 |
| 24 | Original Cohort, Exam 24 | 791 |
| 25 | Original Cohort, Exam 25 | 692 |
| 26 | Original Cohort, Exam 26 | 550 |
| 27 | Original Cohort, Exam 27 | 400 |
| 28 | Original Cohort, Exam 28 | 285 |
| 29 | Original Cohort, Exam 29 | 200 |
| 30 | Original Cohort, Exam 30 | 141 |
| 31 | Original Cohort, Exam 31 | 78 |
| 32 | Original Cohort, Exam 32 | 40 |
| . | Unknown | 0 |

EXAMDATE**Variable name:** EXAMDATE**Description:** EXAM DATE**Units:** Number of days since Exam 1

| Code or Value | Description | Count |
|---------------|-----------------|-------|
| 10910 — 23627 | Range of values | 13242 |
| . | Unknown | 0 |

Note: Date includes month, day and year, however coding manual displays only month and year to preserve confidentiality.

MM_1**Variable name:** MM_1**Description:** WHAT IS THE DATE TODAY (MONTH, DAY, YEAR)? (SCORE 1 POINT FOR EACH CORRECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | None correct answer | 520 |
| 1 | 1 of 3 correct | 323 |
| 2 | 2 of 3 correct | 1527 |
| 3 | 3 of 3 correct | 10780 |
| . | Unknown or did not take the test or no try | 92 |

MM_2**Variable name:** MM_2**Description:** WHAT IS THE SEASON? (SCORE 1 POINT FOR EACH CORRECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 928 |
| 1 | Correct | 12209 |
| . | Unknown or did not take the test or no try | 105 |

MM_3**Variable name:** MM_3**Description:** WHAT DAY OF THE WEEK IS IT? (SCORE 1 POINT FOR EACH CORRECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 920 |
| 1 | Correct | 12197 |
| . | Unknown or did not take the test or no try | 125 |

MM_4**Variable name:** MM_4**Description:** WHAT TOWN, COUNTY AND STATE ARE WE IN?(SCORE 1 POINT FOR EACH CORRECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | None correct | 181 |
| 1 | 1 of 3 correct | 234 |
| 2 | 2 of 3 correct | 1301 |
| 3 | 3 of 3 correct | 11398 |
| . | Unknown or did not take the test or no try | 128 |

MM_5**Variable name:** MM_5**Description:** WHAT IS THE NAME OF THIS PLACE? (SCORE 1 POINT FOR EACH CORRECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 535 |
| 1 | One correct response | 12578 |
| . | Unknown or did not take the test or no try | 129 |

MM_6**Variable name:** MM_6**Description:** WHAT FLOOR OF THE BUILDING ARE WE ON? (SCORE 1 POINT FOR EACH CORRECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 461 |
| 1 | One correct response | 12636 |
| . | Unknown or did not take the test or no try | 145 |

MM_7**Variable name:** MM_7**Description:** REPEAT BACK THREE OBJECTS I NAME (SCORE 1 POINT FOR EACH CORRECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | None correct | 114 |
| 1 | 1 of 3 correct | 103 |
| 2 | 2 of 3 correct | 300 |
| 3 | 3 of 3 correct | 12431 |
| . | Unknown or did not take the test or no try | 294 |

WORLD**Variable name:** WORLD**Description:** SPELL THE WORD "WORLD" BACKWARDS

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | 0 points | 224 |
| 1 | 1 point | 211 |
| 2 | 2 points | 490 |
| 3 | 3 points | 1732 |
| 4 | 4 points | 856 |
| 5 | 5 points | 9201 |
| . | Unknown or did not take the test or no try | 528 |

MM_8**Variable name:** MM_8**Description:** NAME 3 OBJECTS I ASKED YOU (SCORE 1 POINT FOR EACH CORRECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | None correct | 838 |
| 1 | 1 of 3 correct | 2424 |
| 2 | 2 of 3 correct | 3506 |
| 3 | 3 of 3 correct | 6272 |
| . | Unknown or did not take the test or no try | 202 |

MM_9**Variable name:** MM_9**Description:** WHAT IS THIS CALLED (WATCH)?

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 123 |
| 1 | Correct | 12924 |
| . | Unknown or did not take the test or no try | 195 |

MM_10**Variable name:** MM_10**Description:** WHAT IS THIS CALLED (PENCIL)?

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 206 |
| 1 | Correct | 12837 |
| . | Unknown or did not take the test or no try | 199 |

MM_11**Variable name:** MM_11**Description:** REPEAT--"NO IFS, ANDS, OR BUTS." (SCORE 1 POINT FOR PERFECT RESPONSE)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 2143 |
| 1 | Perfect | 10818 |
| . | Unknown or did not take the test or no try | 281 |

MM_12**Variable name:** MM_12**Description:** READ FOLLOWING & DO WHAT SAYS (SCORE 1 POINT IF PERFORMED)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 664 |
| 1 | Performed | 12023 |
| . | Unknown or did not take the test or no try | 555 |

MM_13**Variable name:** MM_13**Description:** PLEASE WRITE A SENTENCE (SCORE 1 POINT IF PERFORMED)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 610 |
| 1 | Performed | 11898 |
| . | Unknown or did not take the test or no try | 734 |

MM_14**Variable name:** MM_14**Description:** PLEASE COPY THIS DRAWING (SCORE 1 POINT IF PERFORMED)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | Incorrect | 1954 |
| 1 | Performed | 10442 |
| . | Unknown or did not take the test or no try | 846 |

MM_15**Variable name:** MM_15**Description:** TAKE THIS PIECE OF PAPER IN RIGHT HAND, FOLD IT IN HALF WITH BOTH HAND, AND PUT IT IN YOUR LAP (SCORE 1 POINT FOR EACH CORRECTLY PERFORMED ACT)

| Code or Value | Description | Count |
|---------------|--|-------|
| 0 | None performed correctly | 141 |
| 1 | 1 of 3 performed | 436 |
| 2 | 2 of 3 performed | 1248 |
| 3 | 3 of 3 performed | 10880 |
| . | Unknown or did not take the test or no try | 537 |

COGSCR**Variable name:** COGSCR**Description:** TOTAL SCORE FOR MMSE COGNITIVE FUNCTION TEST

| Code or Value | Description | Count |
|---------------|-----------------|-------|
| 0 — 30 | Range of values | 13106 |
| . | Unknown | 136 |

Note: If the test was administered and the participant answered less than 8 questions, then COGSCR is set to unknown.

Please refer to protocol for algorithm.

MAXCOG

Variable name: MAXCOG

Description: MAXIMUM SCORE BASED ON THE QUESTIONS ANSWERED

| Code or Value | Description | Count |
|---------------|-----------------|-------|
| 11 — 30 | Range of values | 13106 |
| . | Unknown | 136 |

Note: 9-30 is the range of the maximum score a participant could get based on the number of questions answered. For example, if a participant did not answer a 5 point question, the maximum score would be 25.