

Coding Manual of Curated Gen 2/Omni 1 (NP) dataset

Note:

1. This curated dataset contains information of Gen II and Omni 1 participants
2. There are 5630 unique FHS participants (5124 Gen II and 506 Omni 1) within this dataset
3. Variables are generally grouped based on their origins (i.e., primary FHS dataset)
4. The format of the curated dataset is of long format, with distinct variable names that allow users to tell the difference for repeated measurements of data of similar nature.
5. The first FHS core exam for Omni 1 participants started around the same time as the 6th FHS core exam for Gen II participants. However, the protocol that was used for the first FHS core exam for Omni 1 participants was that of Gen II's 5th FHS core exam. Hence, the baseline information extracted from the FHS core exams for all Omni 1 participants will have a suffix of “_core5”. The corresponding Omni 1 core exams used in this dataset is as follow:

| Omni 1 core exam cycle | Suffix |
|------------------------|--------|
| 1 | _core5 |
| 2 | _core7 |
| 3 | _core8 |
| 4 | _core9 |

6. Information regarding medication usage for core exams 8 and 9 needs to be verified with medication datasets
7. For protocol descriptions and annotated forms of the primary datasets, refer to the respective documents of the individual source datasets.
8. Refer to [Appendix](#) for FHS core exam timeline (all cohorts)

Table of Contents

| | |
|---|-----|
| <u>Demographics</u> | 3 |
| <u>Anthropometric measurements</u> | 9 |
| <u>Cardiovascular related measurements</u> | 13 |
| <u>Smoking</u> | 17 |
| <u>Blood glucose</u> | 21 |
| <u>Cholesterol related measurements</u> | 23 |
| <u>Treated for Hypertension, Lipids, and Diabetes</u> | 28 |
| <u>Hip and Waist Circumferences</u> | 37 |
| <u>Creatinine and liver function tests</u> | 39 |
| <u>Complete blood count</u> | 44 |
| <u>Aspirin and NSAID usage (self-reported)</u> | 46 |
| <u>CES-D and anti-depressant use (self-reported)</u> | 50 |
| <u>Selected inflammatory markers</u> | 64 |
| <u>MMSE</u> | 68 |
| <u>Neuropsychological assessments</u> | 72 |
| <u>Dementia outcomes and related variables</u> | 129 |
| <u>Survival Information</u> | 132 |
| <u>Date and related derived variables</u> | 133 |
| <u>Appendix</u> | 138 |
| <u>Revisions</u> | 139 |

Demographics

IDTYPE

Variable name: idtype

Description: Framingham Heart Study cohort identifier

| Code or Value | Description | Count |
|---------------|-------------|-------|
| 1 | Gen 2 | 5124 |
| 7 | Omni 1 | 506 |

ID

Variable name: id

Description: Framingham Heart Study participant identifier within cohort

IDTYPE and ID must be used together to form a unique study participant identification number or use variable “framid” instead

| Code or Value | Description |
|---------------|-----------------|
| 0 – 9999 | Range of values |

Note: To preserve confidentiality, the exact range for the ID is not reflected in the coding manual.

FRAMID

Variable name: Framid

Description: Framingham ID assigned to each participant

| Code or Value | Description |
|-----------------|-------------|
| 80001 – 89999 | Gen 2 |
| 700003 – 709999 | Omni 1 |

Note: To preserve confidentiality, the exact range for the ID is not reflected in the coding manual.

SEX

Variable name: sex

Description: Gender

Demographics

| Code or Value | Description |
|---------------|-------------|
| 1 | Male |
| 2 | Female |

RACE_CODE

Variable name: RACE_CODE

Description: RACE and ETHNICITY - Summary code string from combining primary codes given at different exams

Information extracted from “vr_raceall_2008_a_0712”

| Code or Value | Description |
|---------------|-------------------------------------|
| W | White |
| B | Black |
| H | Hispanic or Latino |
| E | Not Hispanic or Latino |
| A | Asian |
| P | Native Hawaiian or Pacific Islander |
| N | American Indian or Alaskan Native |
| X | Asian Indian or Pacific Islander |
| R | Prefer not to answer |
| O | Other |
| . | Unknown |

Note: RACE_CODE is constructed using primary codes W, B, H etc.

Race at different time points (exams) were combined to form RACE_CODE to indicate all races reported by participant over time.

Example1: RACE_CODE = 'EW' participant reported 'Not Hispanic or Latino' (H701) and 'White' (H702).

Example2: RACE_CODE = 'HH' participant reported 'Hispanic or Latino' (RACEATOMNI1) and 'Hispanic or Latino' (H700).

Example3: RACE_CODE = 'BEB' participant reported 'Black' (RACEATOMNI1), 'Not Hispanic or Latino' (H701) and 'Black' (H703).

Example4: RACE_CODE = 'ER' participant reported 'Not Hispanic or Latino' (H701) and 'Prefer not to answer' (H707).

Character variable

EDU_CORE2

Variable name: edu_core2

Demographics

Description: Years of education (obtained from FHS core exam 2)

Note: This variable is only available for Gen II participants

EDU_CORE8

Variable name: edu_core8

Description: What is the highest degree or level of school you have completed? (if currently enrolled, mark the highest grade completed, degree received)

Code or Value

Description

| | |
|---|---|
| 0 | No schooling |
| 1 | Grades 1 – 8 |
| 2 | Grades 9 – 11 |
| 3 | Completed high school (12 th grade) or GED |
| 4 | Some college, but no degree |
| 5 | Technical school certificate |
| 6 | Associate degree (Junior college AA, AS) |
| 7 | Bachelor's degree (BA, AB, BS) |
| 8 | Graduate or professional degree (Master's, Doctorate, MD, etc.) |
| . | Unknown |

Note: This variable is only available for Omni 1 participants

DATE_CORE1

Variable name: date_core1

Description: Exam date of core exam 1 (MMDDYYYY)

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

DATE_CORE2

Variable name: date_core2

Description: Exam date of core exam 2 (MMDDYYYY)

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

DATE_CORE3

Demographics

Variable name: date_core3

Description: Exam date of core exam 3 (MMDDYYYY)

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

DATE_CORE4

Variable name: date_core4

Description: Exam date of core exam 4 (MMDDYYYY)

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

DATE_CORE5

Variable name: date_core5

Description: Exam date of core exam 5 (MMDDYYYY)

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

DATE_CORE6

Variable name: date_core6

Description: Exam date of core exam 6 (MMDDYYYY)

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

DATE_CORE7

Variable name: date_core7

Description: Exam date of core exam 7 (MMDDYYYY)

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

DATE_CORE8

Variable name: date_core8

Description: Exam date of core exam 8 (MMDDYYYY)

Demographics

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

DATE_CORE9

Variable name: date_core9

Description: Exam date of core exam 9 (MMDDYYYY)

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

AGE_CORE1

Variable name: Age_core1

Description: Age at exam 1

AGE_CORE2

Variable name: Age_core2

Description: Age at exam 2

AGE_CORE3

Variable name: Age_core3

Description: Age at exam 3

AGE_CORE4

Variable name: Age_core4

Description: Age at exam 4

AGE_CORE5

Variable name: Age_core5

Description: Age at exam 5

AGE_CORE6

Variable name: Age_core6

Description: Age at exam 6

AGE_CORE7

Variable name: Age_core7

Demographics

Description: Age at exam 7

AGE_CORE8

Variable name: Age_core8

Description: Age at exam 8

AGE_CORE9

Variable name: Age_core9

Description: Age at exam 9

HEIGHT_CORE1

Variable name: Height_core1

Description: Height at exam 1

HEIGHT_CORE2

Variable name: Height_core2

Description: Height at exam 2

HEIGHT_CORE3

Variable name: Height_core3

Description: Height at exam 3

HEIGHT_CORE4

Variable name: Height_core4

Description: Height at exam 4

HEIGHT_CORE5

Variable name: Height_core5

Description: Height at exam 5

HEIGHT_CORE6

Variable name: Height_core6

Description: Height at exam 6

HEIGHT_CORE7

Variable name: Height_core7

Description: Height at exam 7

HEIGHT_CORE8

Variable name: Height_core7

Description: Height at exam 7

HEIGHT_CORE9

Variable name: Height_core9

Anthropometric measurements

Description: Height at exam 9

WEIGHT_CORE1

Variable name: Weight_core1

Description: Weight at exam 1

WEIGHT_CORE2

Variable name: Weight_core2

Description: Weight at exam 2

WEIGHT_CORE3

Variable name: Weight_core3

Description: Weight at exam 3

WEIGHT_CORE4

Variable name: Weight_core4

Description: Weight at exam 4

WEIGHT_CORE5

Variable name: Weight_core5

Description: Weight at exam 5

WEIGHT_CORE6

Variable name: Weight_core6

Description: Weight at exam 6

WEIGHT_CORE7

Variable name: Weight_core7

Description: Weight at exam 7

WEIGHT_CORE8

Variable name: Weight_core8

Description: Weight at exam 8

WEIGHT_CORE9

Anthropometric measurements

Variable name: Weight_core9

Description: Weight at exam 9

BMI_CORE1

Variable name: BMI_core1

Description: Body mass index at exam 1

BMI_CORE2

Variable name: BMI_core2

Description: Body mass index at exam 2

BMI_CORE3

Variable name: BMI_core3

Description: Body mass index at exam 3

BMI_CORE4

Variable name: BMI_core4

Description: Body mass index at exam 4

BMI_CORE5

Variable name: BMI_core5

Description: Body mass index at exam 5

BMI_CORE6

Variable name: BMI_core6

Description: Body mass index at exam 6

BMI_CORE7

Variable name: BMI_core7

Description: Body mass index at exam 7

BMI_CORE8

Variable name: BMI_core8

Description: Body mass index at exam 8

BMI_CORE9

Anthropometric measurements

Variable name: BMI_core9

Description: Body mass index at exam 9

SBP_CORE1

Variable name: SBP_core1

Description: Systolic blood pressure at exam 1

SBP_CORE2

Variable name: SBP_core2

Description: Systolic blood pressure at exam 2

SBP_CORE3

Variable name: SBP_core3

Description: Systolic blood pressure at exam 3

SBP_CORE4

Variable name: SBP_core4

Description: Systolic blood pressure at exam 4

SBP_CORE5

Variable name: SBP_core5

Description: Systolic blood pressure at exam 5

SBP_CORE6

Variable name: SBP_core6

Description: Systolic blood pressure at exam 6

SBP_CORE7

Variable name: SBP_core7

Description: Systolic blood pressure at exam 7

SBP_CORE8

Variable name: SBP_core8

Description: Systolic blood pressure at exam 8

SBP_CORE9

Variable name: SBP_core9

Cardiovascular and Related Measures

Description: Systolic blood pressure at exam 9

DBP_CORE1

Variable name: DBP_core1

Description: Diastolic blood pressure at exam 1

DBP_CORE2

Variable name: DBP_core2

Description: Diastolic blood pressure at exam 2

DBP_CORE3

Variable name: DBP_core3

Description: Diastolic blood pressure at exam 3

DBP_CORE4

Variable name: DBP_core4

Description: Diastolic blood pressure at exam 4

DBP_CORE5

Variable name: DBP_core5

Description: Diastolic blood pressure at exam 5

DBP_CORE6

Variable name: DBP_core6

Description: Diastolic blood pressure at exam 6

DBP_CORE7

Variable name: DBP_core7

Description: Diastolic blood pressure at exam 7

DBP_CORE8

Variable name: DBP_core8

Description: Diastolic blood pressure at exam 8

DBP_CORE9

Cardiovascular and Related Measures

Variable name: DBP_core9

Description: Diastolic blood pressure at exam 9

VENT_RT_CORE1

Variable name: Vent_rt_core1

Description: Ventricular beat by ECG at Exam 1

VENT_RT_CORE2

Variable name: Vent_rt_core2

Description: Ventricular beat by ECG at Exam 2

VENT_RT_CORE3

Variable name: Vent_rt_core3

Description: Ventricular beat by ECG at Exam 3

VENT_RT_CORE4

Variable name: Vent_rt_core4

Description: Ventricular beat by ECG at Exam 4

VENT_RT_CORE5

Variable name: Vent_rt_core5

Description: Ventricular beat by ECG at Exam 5

VENT_RT_CORE6

Variable name: Vent_rt_core6

Description: Ventricular beat by ECG at Exam 6

VENT_RT_CORE7

Variable name: Vent_rt_core7

Description: Ventricular beat by ECG at Exam 7

VENT_RT_CORE8

Variable name: Vent_rt_core8

Description: Ventricular beat by ECG at Exam 8

VENT_RT_CORE9

Cardiovascular and Related Measures

Variable name: Vent_rt_core9

Description: Ventricular beat by ECG at Exam 9

Smoking

SMOKING_CORE1

Variable name: Smoking_core1

Description: Current smoking status at exam 1

| Code or Value | Description |
|---------------|----------------------|
| 0 | Not a current smoker |
| 1 | Current Smoker |
| . | Unknown |

SMOKING_CORE2

Variable name: Smoking_core2

Description: Current smoking status at exam 2

| Code or Value | Description |
|---------------|----------------------|
| 0 | Not a current smoker |
| 1 | Current Smoker |
| . | Unknown |

SMOKING_CORE3

Variable name: Smoking_core3

Description: Current smoking status at exam 3

| Code or Value | Description |
|---------------|----------------------|
| 0 | Not a current smoker |
| 1 | Current Smoker |
| . | Unknown |

SMOKING_CORE4

Variable name: Smoking_core4

Description: Current smoking status at exam 4

| Code or Value | Description |
|---------------|----------------------|
| 0 | Not a current smoker |
| 1 | Current Smoker |

| | |
|---|---------|
| . | Unknown |
|---|---------|

SMOKING_CORE5

Variable name: Smoking_core5

Description: Current smoking status at exam 5

| Code or Value | Description |
|---------------|----------------------|
| 0 | Not a current smoker |
| 1 | Current Smoker |
| . | Unknown |

SMOKING_CORE6

Variable name: Smoking_core6

Description: Current smoking status at exam 6

| Code or Value | Description |
|---------------|----------------------|
| 0 | Not a current smoker |
| 1 | Current Smoker |
| . | Unknown |

SMOKING_CORE7

Variable name: Smoking_core7

Description: Current smoking status at exam 7

| Code or Value | Description |
|---------------|----------------------|
| 0 | Not a current smoker |
| 1 | Current Smoker |
| . | Unknown |

SMOKING_CORE8

Variable name: Smoking_core8

Description: Current smoking status at exam 8

| Code or Value | Description |
|---------------|----------------------|
| 0 | Not a current smoker |

| | |
|---|----------------|
| 1 | Current Smoker |
| . | Unknown |

SMOKING_CORE9

Variable name: Smoking_core9

Description: Current smoking status at exam 9

| Code or Value | Description |
|----------------------|--------------------|
|----------------------|--------------------|

| | |
|---|----------------------|
| 0 | Not a current smoker |
| 1 | Current Smoker |
| . | Unknown |

CPD_CORE1

Variable name: CPD_core1

Description: Cigarettes per day at Exam 1

CPD_CORE2

Variable name: CPD_core2

Description: Cigarettes per day at Exam 2

CPD_CORE3

Variable name: CPD_core3

Description: Cigarettes per day at Exam 3

CPD_CORE4

Variable name: CPD_core4

Description: Cigarettes per day at Exam 4

CPD_CORE5

Variable name: CPD_core5

Description: Cigarettes per day at Exam 5

CPD_CORE6

Variable name: CPD_core6

Description: Cigarettes per day at Exam 6

CPD_CORE7

Variable name: CPD_core7

Description: Cigarettes per day at Exam 7

CPD_CORE8

Variable name: CPD_core8

Description: Cigarettes per day at Exam 8

CPD_CORE9

Variable name: CPD_core9

Description: Cigarettes per day at Exam 9

Blood Glucose

BG_CORE1

Variable name: BG_core1

Description: Random blood glucose at Exam 1

BG_CORE2

Variable name: BG_core2

Description: Random blood glucose at Exam 2

BG_CORE3

Variable name: BG_core3

Description: Random blood glucose at Exam 3

BG_CORE4

Variable name: BG_core4

Description: Random blood glucose at Exam 4

BG_CORE5

Variable name: BG_core5

Description: Random blood glucose at Exam 5

BG_CORE6

Variable name: BG_core6

Description: Random blood glucose at Exam 6

BG_CORE7

Variable name: BG_core7

Description: Random blood glucose at Exam 7

BG_CORE8

Variable name: BG_core8

Description: Random blood glucose at Exam 8

BG_CORE9

Variable name: BG_core9

Blood Glucose

Description: Random blood glucose at Exam 9

Fasting blood test were only available from core exam 3 onwards

FASTING_BG_CORE3

Variable name: Fasting_BG_core3

Description: Fasting blood glucose at Exam 3

FASTING_BG_CORE4

Variable name: Fasting_BG_core4

Description: Fasting blood glucose at Exam 4

FASTING_BG_CORE5

Variable name: Fasting_BG_core5

Description: Fasting blood glucose at Exam 5

FASTING_BG_CORE6

Variable name: Fasting_BG_core6

Description: Fasting blood glucose at Exam 6

FASTING_BG_CORE7

Variable name: Fasting_BG_core7

Description: Fasting blood glucose at Exam 7

FASTING_BG_CORE8

Variable name: Fasting_BG_core8

Description: Fasting blood glucose at Exam 8

FASTING_BG_CORE9

Variable name: Fasting_BG_core9

Description: Fasting blood glucose at Exam 9

Cholesterol Related Measurements

TC_CORE1

Variable name: TC_core1

Description: Total cholesterol at Exam 1

TC_CORE2

Variable name: TC_core2

Description: Total cholesterol at Exam 2

TC_CORE3

Variable name: TC_core3

Description: Total cholesterol at Exam 3

TC_CORE4

Variable name: TC_core4

Description: Total cholesterol at Exam 4

TC_CORE5

Variable name: TC_core5

Description: Total cholesterol at Exam 5

TC_CORE6

Variable name: TC_core6

Description: Total cholesterol at Exam 6

TC_CORE7

Variable name: TC_core7

Description: Total cholesterol at Exam 7

TC_CORE8

Variable name: TC_core8

Description: Total cholesterol at Exam 8

TC_CORE9

Variable name: TC_core9

Cholesterol Related Measurements

Description: Total cholesterol at Exam 9

TRIGLYCERIDES_CORE1

Variable name: Triglycerides_core1

Description: Triglycerides at Exam 1

TRIGLYCERIDES_CORE2

Variable name: Triglycerides_core2

Description: Triglycerides at Exam 2

TRIGLYCERIDES_CORE3

Variable name: Triglycerides_core3

Description: Triglycerides at Exam 3

TRIGLYCERIDES_CORE4

Variable name: Triglycerides_core4

Description: Triglycerides at Exam 4

TRIGLYCERIDES_CORE5

Variable name: Triglycerides_core5

Description: Triglycerides at Exam 5

TRIGLYCERIDES_CORE6

Variable name: Triglycerides_core6

Description: Triglycerides at Exam 6

TRIGLYCERIDES_CORE7

Variable name: Triglycerides_core7

Description: Triglycerides at Exam 7

TRIGLYCERIDES_CORE8

Variable name: Triglycerides_core8

Description: Triglycerides at Exam 8

TRIGLYCERIDES_CORE9

Cholesterol Related Measurements

Variable name: Triglycerides_core9

Description: Triglycerides at Exam 9

CALC_LDL_CORE1

Variable name: Calc_LDL_core1

Description: Calculated LDL-Cholesterol at Exam 1

CALC_LDL_CORE2

Variable name: Calc_LDL_core2

Description: Calculated LDL-Cholesterol at Exam 2

CALC_LDL_CORE3

Variable name: Calc_LDL_core3

Description: Calculated LDL-Cholesterol at Exam 3

CALC_LDL_CORE4

Variable name: Calc_LDL_core4

Description: Calculated LDL-Cholesterol at Exam 4

CALC_LDL_CORE5

Variable name: Calc_LDL_core5

Description: Calculated LDL-Cholesterol at Exam 5

CALC_LDL_CORE6

Variable name: Calc_LDL_core6

Description: Calculated LDL-Cholesterol at Exam 6

CALC_LDL_CORE7

Variable name: Calc_LDL_core7

Description: Calculated LDL-Cholesterol at Exam 7

CALC_LDL_CORE8

Variable name: Calc_LDL_core8

Description: Calculated LDL-Cholesterol at Exam 8

Cholesterol Related Measurements

CALC_LDL_CORE9

Variable name: Calc_LDL_core9

Description: Calculated LDL-Cholesterol at Exam 9

HDL_CORE1

Variable name: HDL_core1

Description: HDL-Cholesterol at Exam 1

HDL_CORE2

Variable name: HDL_core2

Description: HDL-Cholesterol at Exam 2

HDL_CORE3

Variable name: HDL_core3

Description: HDL-Cholesterol at Exam 3

HDL_CORE4

Variable name: HDL_core4

Description: HDL-Cholesterol at Exam 4

HDL_CORE5

Variable name: HDL_core5

Description: HDL-Cholesterol at Exam 5

HDL_CORE6

Variable name: HDL_core6

Description: HDL-Cholesterol at Exam 6

HDL_CORE7

Variable name: HDL_core7

Description: HDL-Cholesterol at Exam 7

HDL_CORE8

Variable name: HDL_core8

Description: HDL-Cholesterol at Exam 8

Cholesterol Related Measurements

HDL_CORE9

Variable name: HDL_core9

Description: HDL-Cholesterol at Exam 9

Treated for Hypertension, Lipids, and Diabetes

HRX_CORE1

Variable name: HRX_core1

Description: Treated for hypertension at Exam 1

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

HRX_CORE2

Variable name: HRX_core2

Description: Treated for hypertension at Exam 2

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

HRX_CORE3

Variable name: HRX_core3

Description: Treated for hypertension at Exam 3

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

HRX_CORE4

Variable name: HRX_core4

Description: Treated for hypertension at Exam 4

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |

| | |
|---|-----|
| 0 | No |
| 1 | Yes |

Treated for Hypertension, Lipids, and Diabetes

| | |
|---|---------|
| . | Unknown |
|---|---------|

HRX_CORE5

Variable name: HRX_core5

Description: Treated for hypertension at Exam 5

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

HRX_CORE6

Variable name: HRX_core6

Description: Treated for hypertension at Exam 6

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

HRX_CORE7

Variable name: HRX_core7

Description: Treated for hypertension at Exam 7

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

HRX_CORE8

Variable name: HRX_core8

Description: Treated for hypertension at Exam 8

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|----|
| 0 | No |
|---|----|

Treated for Hypertension, Lipids, and Diabetes

| | |
|---|---------|
| 1 | Yes |
| . | Unknown |

HRX_CORE9

Variable name: HRX_core9

Description: Treated for hypertension at Exam 9

Code or Value

Description

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

Treated for Hypertension, Lipids, and Diabetes

LIPRX_CORE1

Variable name: LIPRX_core1

Description: Treated for lipids at Exam 1

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

LIPRX_CORE2

Variable name: LIPRX_core2

Description: Treated for lipids at Exam 2

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

LIPRX_CORE3

Variable name: LIPRX_core3

Description: Treated for lipids at Exam 3

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

LIPRX_CORE4

Variable name: LIPRX_core4

Description: Treated for lipids at Exam 4

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |

Treated for Hypertension, Lipids, and Diabetes

| | |
|---|---------|
| . | Unknown |
|---|---------|

LIPRX_CORE5

Variable name: LIPRX_core5

Description: Treated for lipids at Exam 5

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

LIPRX_CORE6

Variable name: LIPRX_core6

Description: Treated for lipids at Exam 6

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

LIPRX_CORE7

Variable name: LIPRX_core7

Description: Treated for lipids at Exam 7

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

LIPRX_CORE8

Variable name: LIPRX_core8

Description: Treated for lipids at Exam 8

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|----|
| 0 | No |
|---|----|

Treated for Hypertension, Lipids, and Diabetes

| | |
|---|---------|
| 1 | Yes |
| . | Unknown |

LIPRX_CORE9

Variable name: LIPRX_core9

Description: Treated for lipids at Exam 9

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

Treated for Hypertension, Lipids, and Diabetes

DMRX_CORE1

Variable name: DMRX_core1

Description: Treated for diabetes at Exam 1

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

DMRX_CORE2

Variable name: DMRX_core2

Description: Treated for diabetes at Exam 2

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

DMRX_CORE3

Variable name: DMRX_core3

Description: Treated for diabetes at Exam 3

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

DMRX_CORE4

Variable name: DMRX_core4

Description: Treated for diabetes at Exam 4

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |

Treated for Hypertension, Lipids, and Diabetes

| | |
|---|---------|
| . | Unknown |
|---|---------|

DMRX_CORE5

Variable name: DMRX_core5

Description: Treated for diabetes at Exam 5

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

DMRX_CORE6

Variable name: DMRX_core6

Description: Treated for diabetes at Exam 6

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

DMRX_CORE7

Variable name: DMRX_core7

Description: Treated for diabetes at Exam 7

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

DMRX_CORE8

Variable name: DMRX_core8

Description: Treated for diabetes at Exam 8

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|----|
| 0 | No |
|---|----|

Treated for Hypertension, Lipids, and Diabetes

| | |
|---|---------|
| 1 | Yes |
| . | Unknown |

DMRX_CORE9

Variable name: DMRX_core9

Description: Treated for diabetes at Exam 9

| Code or Value | Description |
|---------------|-------------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

Hip and waist circumferences were only available from core exam 4 onwards

HIP_CORE4

Variable name: Hip_core4

Description: Hip girth at Exam 4

HIP_CORE5

Variable name: Hip_core5

Description: Hip girth at Exam 5

HIP_CORE6

Variable name: Hip_core6

Description: Hip girth at Exam 6

HIP_CORE7

Variable name: Hip_core7

Description: Hip girth at Exam 7

HIP_CORE9

Variable name: Hip_core9

Description: Hip girth at Exam 9

WAIST_CORE4

Variable name: Waist_core4

Description: Waist girth at Exam 4

WAIST_CORE5

Variable name: Waist_core5

Description: Waist girth at Exam 5

WAIST_CORE6

Variable name: Waist_core6

Description: Waist girth at Exam 6

Hip and Waist Circumferences

WAIST_CORE7

Variable name: Waist_core7

Description: Waist girth at Exam 7

WAIST_CORE8

Variable name: Waist_core8

Description: Waist girth at Exam 8

WAIST_CORE9

Variable name: Waist_core9

Description: Waist girth at Exam 9

CREATININE_CORE2

Variable name: Creatinine_core2

Description: Serum Creatinine at Exam 2

CREATININE_CORE5

Variable name: Creatinine_core5

Description: Serum Creatinine at Exam 5

CREATININE_CORE6

Variable name: Creatinine_core6

Description: Serum Creatinine at Exam 6

CREATININE_CORE7

Variable name: Creatinine_core7

Description: Serum Creatinine at Exam 7

CREATININE_CORE8

Variable name: Creatinine_core8

Description: Serum Creatinine at Exam 8

CREATININE_CORE9

Variable name: Creatinine_core9

Description: Serum Creatinine at Exam 9

Creatinine and liver function tests

ALBUMIN_CORE1

Variable name: Albumin_core1

Description: Albumin at Exam 1

Unit: Gram percent

ALBUMIN_CORE2

Variable name: Albumin_core2

Description: Albumin at Exam 2

Unit: Gram percent

ALBUMIN_CORE9

Variable name: Albumin_core9

Description: Albumin at Exam 9 (sample type: serum)

Units: g/dL

AST_CORE1

Variable name: AST_core1

Description: Aspartate Aminotransferase (AST/SGOT) at exam 1

Unit: I. units

AST_CORE2

Variable name: AST_core2

Description: Aspartate Aminotransferase (AST/SGOT) at exam 2

Unit: I. units

ALT_CORE2

Variable name: ALT_core2

Description: Alanine Aminotransferase (ALT/SGPT) at exam 2

Unit: I. units

ALT_CORE7

Variable name: ALT_core7

Description: Alanine Aminotransferase, Exam 7

Units: U/L

Creatinine and liver function tests

Note: The lower detectable limit for ALT is 5 U/L. ALT values below this limit were set to the lower detectable limit. Please use ALT_indicator_core7 to see which records are below this limit.

AST_CORE7

Variable name: AST_core7
Description: Aspartate Aminotransferase, Exam 7
Units: U/L

Note: The lower detectable limit for AST is 5 U/L. AST values below this limit were set to the lower detectable limit. Please use AST_indicator_core7 to see which records are below this limit.

ALT_INDICATOR_CORE7

Variable name: ALT_core7
Description: Measurable range indicator for Alanine Aminotransferase, Exam 7

| Code or Value | Description |
|---------------|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |
| . | Unknown |

AST_INDICATOR_CORE7

Variable name: AST_core7
Description: Measurable range indicator for Aspartate Aminotransferase, Exam 7

| Code or Value | Description |
|---------------|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |
| . | Unknown |

ALT_CORE8

Variable name: ALT_core8
Description: Alanine Aminotransferase, Exam 8
Units: U/L

Creatinine and liver function tests

Note: The lower detectable limit for ALT is 5 U/L. ALT values below this limit were set to the lower detectable limit. Please use ALT_indicator_core8 to see which records are below this limit.

ALT_INDICATOR_CORE8

Variable name: ALT_core8
Description: Measurable range indicator for Alanine Aminotransferase, Exam 8

| Code or Value | Description |
|---------------|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |
| . | Unknown |

AST_CORE8

Variable name: AST_core8
Description: Aspartate Aminotransferase, Exam 8
Units: U/L

Note: The lower detectable limit for AST is 5 U/L. AST values below this limit were set to the lower detectable limit. Please use AST_indicator_core8 to see which records are below this limit.

AST_INDICATOR_CORE8

Variable name: AST_core8
Description: Measurable range indicator for Aspartate Aminotransferase, Exam 8

| Code or Value | Description |
|---------------|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |
| . | Unknown |

ALT_CORE9

Variable name: ALT_core9
Description: Alanine Aminotransferase, Exam 9
Units: U/L

Creatinine and liver function tests

Note: The lower detectable limit for ALT is 5 U/L. ALT values below this limit were set to the lower detectable limit. Please use ALT_indicator_core9 to see which records are below this limit.

ALT_INDICATOR_CORE9

Variable name: ALT_core9
Description: Measurable range indicator for Alanine Aminotransferase, Exam 9

| Code or Value | Description |
|---------------|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |
| . | Unknown |

| Code or Value | Description |
|---------------|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |
| . | Unknown |

| | |
|-----------------------|------------------------------------|
| Variable name: | AST_core9 |
| Description: | Aspartate Aminotransferase, Exam 9 |
| Units: | U/L |

Complete Blood Count

HEMOGLOBIN_CORE1

Variable name: Hemoglobin_core1

Description: Hemoglobin at exam 1

HEMOGLOBIN_CORE2

Variable name: Hemoglobin_core2

Description: Hemoglobin at exam 2

HEMOGLOBIN_CORE9

Variable name: Hemoglobin_core9

Description: Hemoglobin at exam 9 (sample type: whole blood)

Units: g/dL

WBC_CORE1

Variable name: WBC_core1

Description: White blood cell counts at exam 1

WBC_CORE2

Variable name: WBC_core2

Description: White blood cell counts at exam 2

WBC_CORE9

Variable name: WBC_core9

Description: White blood cell count at exam 9 (sample type: whole blood)

Units: thousands/uL

WBC_P_CORE9

Variable name: WBC_P_core9

Description: Abnormal population indicator for white blood cell count

Code or Value

Description

| | |
|---|------------------------|
| 0 | Normal cell population |
|---|------------------------|

Complete Blood Count

| | |
|---|--|
| 1 | Abnormal cell population, performed on an automated instrument, unable to verify |
| . | Unknown |

Aspirin and NSAID Usage (self-report)

For data regarding NSAID usage for core exams 8 and 9, please verify with information both from the core exam questionnaires and the medication datasets

ASPIRIN_CORE2

Variable name: Aspirin_core2

Description: Aspirin use (tabs per day) at exam 2

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|-------|------------------------|
| 0 | No |
| 1 – 7 | 1-7 tabs per day |
| 8 | 8 or more tabs per day |
| . | Unknown |

ASPIRIN_CORE3

Variable name: Aspirin_core3

Description: Aspirin use (tabs per week) at exam 3

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|--------|-------------------------|
| 0 | No |
| 1 – 70 | Number of tabs per week |
| . | Unknown |

ASPIRIN_CORE4

Variable name: Aspirin_core4

Description: Aspirin use (tabs per week) at exam 4

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|--------|-------------------------|
| 0 | No |
| 1 – 96 | Number of tabs per week |
| . | Unknown |

ASPIRIN_CORE5

Variable name: Aspirin_core5

Description: Number of days since last dose of aspirin

Aspirin and NSAID Usage (self-report)

| Code or Value | Description |
|---------------|-----------------|
| 0 | Never taken |
| 1 | Within 1 day |
| 2 – 90 | 2-90 days |
| 98 | 98 days or more |
| . | Unknown |

ASPIRIN_CORE6

Variable name: Aspirin_core6

Description: Take Aspirin regularly at exam 6

Code or Value Description

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

ASPIRIN_CORE7

Variable name: Aspirin_core7

Description: Take Aspirin regularly at exam 7

Code or Value Description

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

NSAIDS_CORE3

Variable name: NSAIDs_core3

Description: NSAIDs use at exam 3

Code or Value Description

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

Aspirin and NSAID Usage (self-report)

NSAIDS_CORE4

Variable name: NSAIDs_core4

Description: NSAIDs use at exam 4

| Code or Value | Description |
|----------------------|--------------------|
|----------------------|--------------------|

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

NSAIDS_CORE5

Variable name: NSAIDs_core5

Description: NSAIDs use at exam 5

| Code or Value | Description |
|----------------------|--------------------|
|----------------------|--------------------|

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

NSAIDS_CORE6

Variable name: NSAIDs_core6

Description: NSAIDs use at exam 6

| Code or Value | Description |
|----------------------|--------------------|
|----------------------|--------------------|

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

NSAIDS_CORE7

Variable name: NSAIDs_core7

Aspirin and NSAID Usage (self-report)

Description: NSAIDs use at exam 7

| Code or Value | Description |
|---------------|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

For data regarding NSAID usage for core exams 8 and 9, please verify with information both from the core exam questionnaires and the medication datasets

DEPRESSRX_CORE3

Variable name: DepressRX_core3

Description: Anti-depressant use at exam 3

| Code or Value | Description |
|----------------------|--------------------|
|----------------------|--------------------|

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

DEPRESSRX_CORE4

Variable name: DepressRX_core4

Description: Anti-depressant use at exam 4

| Code or Value | Description |
|----------------------|--------------------|
|----------------------|--------------------|

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

DEPRESSRX_CORE5

Variable name: DepressRX_core5

Description: Anti-depressant use at exam 5

| Code or Value | Description |
|----------------------|--------------------|
|----------------------|--------------------|

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

DEPRESSRX_CORE6

CES-D and anti-depressant use (self-reported)

Variable name: DepressRX_core6

Description: Anti-depressant use at exam 6

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

DEPRESSRX_CORE7

Variable name: DepressRX_core7

Description: Anti-depressant use at exam 7

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------------|
| 0 | No |
| 1 | Yes (now) |
| 2 | Yes (not now) |
| 3 | Maybe |
| . | Unknown |

For data regarding anti-depressant usage for core exams 8 and 9, please verify with information both from the core exam questionnaires and the medication datasets

CESD_CORE6_1

Variable name: CESD_core6_1

Description: CESD: I was bothered by things that usually don't bother me (at exam 6)

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_2

CES-D and anti-depressant use (self-reported)

Variable name: CESD_core6_2

Description: CESD: I did not feel like eating: my appetite was poor (at exam 6)

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_3

Variable name: CESD_core6_3

Description: CESD: I felt that I could not shake off the blues, even with the help of family and friends (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_4

Variable name: CESD_core6_4

Description: CESD: I felt that I was just as good as other people (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_5

Variable name: CESD_core6_5

Description: CESD: I had trouble keeping my mind on what I was doing (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |

CES-D and anti-depressant use (self-reported)

| | |
|---|------------|
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_6

Variable name: CESD_core6_6

Description: CESD: I felt depressed (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_7

Variable name: CESD_core6_7

Description: CESD: I felt that everything I did was an effort (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_8

Variable name: CESD_core6_8

Description: CESD: I felt hopeful about the future (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_9

Variable name: CESD_core6_9

Description: CESD: I thought my life had been a failure (at exam 6)

CES-D and anti-depressant use (self-reported)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_10

Variable name: CESD_core6_10

Description: CESD: I felt fearful (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_11

Variable name: CESD_core6_11

Description: CESD: My sleep was restless (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_12

Variable name: CESD_core6_12

Description: CESD: I was happy (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_13

CES-D and anti-depressant use (self-reported)

Variable name: CESD_core6_13

Description: CESD: I talked less than usual (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_14

Variable name: CESD_core6_14

Description: CESD: I felt lonely (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_15

Variable name: CESD_core6_15

Description: CESD: People were unfriendly (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_16

Variable name: CESD_core6_16

Description: CESD: I enjoyed life (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |

CES-D and anti-depressant use (self-reported)

| | |
|----------------------|---------|
| . | Unknown |
| CESD_CORE6_17 | |

Variable name: CESD_core6_17

Description: CESD: I had crying spells (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_18

Variable name: CESD_core6_18

Description: CESD: I felt sad (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_19

Variable name: CESD_core6_19

Description: CESD: I felt that people disliked me (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE6_20

Variable name: CESD_core6_20

Description: CESD: I felt that people disliked me (at exam 6)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |

CES-D and anti-depressant use (self-reported)

| | |
|---|------------|
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_TOTAL_CORE6

Variable name: CESD_total_core6

Description: CESD total score at exam 6

Note: The total CES-D scores are calculated for participants who answered all 20 questions.

CES-D and anti-depressant use (self-reported)

CESD_CORE7_1

Variable name: CESD_core7_1

Description: CESD: I was bothered by things that usually don't bother me (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_2

Variable name: CESD_core7_2

Description: CESD: I did not feel like eating: my appetite was poor (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_3

Variable name: CESD_core7_3

Description: CESD: I felt that I could not shake off the blues, even with the help of family and friends (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_4

Variable name: CESD_core7_4

Description: CESD: I felt that I was just as good as other people (at exam 7)

| | |
|---|--------|
| 0 | <1 day |
|---|--------|

CES-D and anti-depressant use (self-reported)

| | |
|---|------------|
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_5

Variable name: CESD_core7_5

Description: CESD: I had trouble keeping my mind on what I was doing (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_6

Variable name: CESD_core7_6

Description: CESD: I felt depressed (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_7

Variable name: CESD_core7_7

Description: CESD: I felt that everything I did was an effort (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_8

Variable name: CESD_core7_8

CES-D and anti-depressant use (self-reported)

Description: CESD: I felt hopeful about the future (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_9

Variable name: CESD_core7_9

Description: CESD: I thought my life had been a failure (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_10

Variable name: CESD_core7_10

Description: CESD: I felt fearful (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_11

Variable name: CESD_core7_11

Description: CESD: My sleep was restless (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_12

Variable name: CESD_core7_12

Description: CESD: I was happy (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_13

Variable name: CESD_core7_13

Description: CESD: I talked less than usual (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_14

Variable name: CESD_core7_14

Description: CESD: I felt lonely (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_15

Variable name: CESD_core7_15

Description: CESD: People were unfriendly (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |

CES-D and anti-depressant use (self-reported)

| | |
|---|------------|
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_16

Variable name: CESD_core7_16

Description: CESD: I enjoyed life (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_17

Variable name: CESD_core7_17

Description: CESD: I had crying spells (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_18

Variable name: CESD_core7_18

Description: CESD: I felt sad (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_19

Variable name: CESD_core7_19

Description: CESD: I felt that people disliked me (at exam 7)

CES-D and anti-depressant use (self-reported)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_CORE7_20

Variable name: CESD_core7_20

Description: CESD: I felt that people disliked me (at exam 7)

| | |
|---|------------|
| 0 | <1 day |
| 1 | 1 – 2 days |
| 2 | 3 – 4 days |
| 3 | 5 – 7 days |
| . | Unknown |

CESD_TOTAL_CORE7

Variable name: CESD_total_core7

Description: CESD total score at exam 7

Note: The total CES-D scores are calculated for participants who answered all 20 questions.

Selected inflammatory markers

CRP_CORE2

Variable name: CRP_core2
Description: C-reactive protein, Exam 2
Units: mg/L

CRP_CORE6

Variable name: CRP_core6
Description: C-reactive protein, Exam 6
Units: mg/L

CRP_CORE7

Variable name: CRP_core7
Description: C-reactive protein, Exam 7
Units: mg/L

CRP_CORE8

Variable name: CRP_core8
Description: C-reactive protein, Exam 8
Units: mg/L

Note: 0.14 mg/L - Cases which measured below the lowest detectable assay limit of 0.15 mg/L were set to 0.14 mg/L (n = 21). The user should determine how to handle these cases.

CRP_CORE9

Variable name: CRP_core9
Description: C-reactive protein, Exam 9
Units: mg/L

CRP_INDICATOR_CORE9

Variable name: CRP_core9
Description: Measurable range indicator for C-reactive protein, Exam 9

| Code or Value | Description |
|---------------|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |

Selected inflammatory markers

| | |
|---|---------|
| . | Unknown |
|---|---------|

FIBRINOGEN_CORE5

Variable name: Fibrinogen_core5
Description: Concentration of fibrinogen, Exam 5
Units: mg/dL

FIBRINOGEN_CORE6

Variable name: Fibrinogen_core6
Description: Concentration of fibrinogen, Exam 6
Units: mg/dL

FIBRINOGEN_CORE7

Variable name: Fibrinogen_core7
Description: Concentration of fibrinogen, Exam 7
Units: mg/dL

HBA1C_CORE5

Variable name: Hba1c_core5
Description: Hemoglobin A1c, Exam 5 (sample type: whole blood)
Units: percent

HBA1C_CORE7

Variable name: Hba1c_core7
Description: Hemoglobin A1c, Exam 7 (sample type: whole blood)
Units: percent

HBA1C_CORE8

Variable name: Hba1c_core8
Description: Hemoglobin A1c, Exam 8 (sample type: whole blood)
Units: percent

HBA1C_CORE9

Variable name: Hba1c_core9
Description: Hemoglobin A1c, Exam 9 (sample type: whole blood)
Units: percent

Selected inflammatory markers

ICAM1_CORE7

Variable name: ICAM1_core7
Description: Intercellular Adhesion Molecule 1, Exam 7
Units: ng/mL

ICAM1_CORE8

Variable name: ICAM1_core8
Description: Intercellular Adhesion Molecule 1, Exam 8
Units: ng/mL

MCP1_CORE7

Variable name: MCP1_core7
Description: Monocyte Chemotactic Protein 1, Exam 7
Units: pg/mL

MCP1_CORE8

Variable name: MCP1_core8
Description: Monocyte Chemotactic Protein 1, Exam 8
Units: pg/mL

INTERLEUKIN6_CORE7

Variable name: Interleukin6_core7
Description: Interleukin-6, Exam 7
Units: pg/mL

INTERLEUKIN6_CORE8

Variable name: Interleukin6_core8
Description: Interleukin-6, Exam 8
Units: pg/mL

INTERLEUKIN18_CORE7

Variable name: Interleukin18_core7
Description: Interleukin-18, Exam 7
Units: pg/mL

AMYLOID40_CORE7

Selected inflammatory markers

Variable name: Amyloid40_core7
Description: Amyloid β 40, Exam 7 (Sample Type: EDTA plasma)
Units: pg/mL

Note: The lower detectable limit for BETA AMYLOID 40 is 8.0 pg/mL. BETA AMYLOID values below these limits were set to the lower detectable. Use Amyloid40_indicator_core7 to see which records are below these limits.

AMYLOID40_INDICATOR_CORE7

Variable name: Amyloid40_indicator_core7
Description: Measurable range indicator for Amyloid β 40, Exam 7

| Code or Value | Description |
|---------------|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |
| . | Unknown |

| | |
|---|-------------------------|
| 1 | Below measurable range |
| 2 | Within measurable range |
| 3 | Above measurable range |
| . | Unknown |

AMYLOID42_CORE7

Variable name: Amyloid42_core7
Description: Amyloid β 42, Exam 7 (Sample Type: EDTA plasma)
Units: pg/mL

MYELOPEROZIDASE_CORE7

Variable name: Myeloperoxidase_core7
Description: Myeloperoxidase, Exam 7

CD40_CORE7

Variable name: CD40_core7
Description: CD40 ligand from plasma, Exam 7
Units: ng/mL

MMSE

cogscr_core5

Variable name: cogscr_core5
Description: Total score for MMSE cognitive function test during FHS core exam 5

| Code or Value | Description |
|---------------|----------------|
| 0 – 30 | Range of value |
| . | Unknown |

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

cogscr_core6

Variable name: cogscr_core6
Description: Total score for MMSE cognitive function test during FHS core exam 6

| Code or Value | Description |
|---------------|----------------|
| 0 – 30 | Range of value |
| . | Unknown |

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

cogscr_core7

Variable name: cogscr_core7
Description: Total score for MMSE cognitive function test during FHS core exam 7

| Code or Value | Description |
|---------------|----------------|
| 0 – 30 | Range of value |
| . | Unknown |

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

cogscr_core8

Variable name: cogscr_core8
Description: Total score for MMSE cognitive function test during FHS core exam 8

MMSE

| Code or Value | Description |
|---------------|----------------|
| 0 – 30 | Range of value |
| . | Unknown |

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

cogscr_core9

Variable name: cogscr_core9
Description: Total score for MMSE cognitive function test during FHS core exam 9

| Code or Value | Description |
|---------------|----------------|
| 0 – 30 | Range of value |
| . | Unknown |

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

maxcog_core5

Variable name: maxcog_core5
Description: Maximum score based on the questions answered during FHS core exam 5

| Code or Value | Description |
|---------------|----------------|
| 9 – 30 | Range of value |
| . | Unknown |

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.

maxcog_core6

Variable name: maxcog_core6
Description: Maximum score based on the questions answered during FHS core exam 6

| Code or Value | Description |
|---------------|----------------|
| 9 – 30 | Range of value |

MMSE

| | |
|---|---------|
| . | Unknown |
|---|---------|

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.

maxcog_core7

Variable name: maxcog_core7
Description: Maximum score based on the questions answered during FHS core exam
7

| Code or Value | Description |
|---------------|----------------|
| 9 – 30 | Range of value |
| . | Unknown |

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.

maxcog_core8

Variable name: maxcog_core8
Description: Maximum score based on the questions answered during FHS core exam
8

| Code or Value | Description |
|---------------|----------------|
| 9 – 30 | Range of value |
| . | Unknown |

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.

maxcog_core9

Variable name: maxcog_core9
Description: Maximum score based on the questions answered during FHS core exam
9

| Code or Value | Description |
|---------------|----------------|
| 9 – 30 | Range of value |

MMSE

| | |
|---|---------|
| . | Unknown |
|---|---------|

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.

This coding manual only includes variables for the first five neuropsychological assessments for each participant. The naming system is similar for the variables of the remaining neuropsychological assessments.

EXAMDATE1

Variable name: examdate1
Description: Date of the first NP exam (MMDDYYYY)

EXAMDATE2

Variable name: examdate2
Description: Date of the second NP exam (MMDDYYYY)

EXAMDATE3

Variable name: examdate3
Description: Date of the third NP exam (MMDDYYYY)

EXAMDATE4

Variable name: examdate4
Description: Date of the fourth NP exam (MMDDYYYY)

EXAMDATE5

Variable name: examdate5
Description: Date of the fifth NP exam (MMDDYYYY)

AGE1

Variable name: age1
Description: Age of participant at first NP exam

AGE2

Variable name: age2
Description: Age of participant at second NP exam

AGE3

Variable name: age3
Description: Age of participant at third NP exam

Neuropsychological assessment

AGE4

Variable name: age4
Description: Age of participant at fourth NP exam

AGE5

Variable name: age5
Description: Age of participant at fifth NP exam

BATTERY1

Variable name: battery1
Description: Form of the battery used for first NP exam

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|------------|
| 1 | Short form |
| 2 | Long form |
| . | Unknown |

BATTERY2

Variable name: battery2
Description: Form of the battery used for second NP exam

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|----|------------------|
| 1 | Short form |
| 2 | Long form |
| 21 | Novel G3 battery |
| . | Unknown |

BATTERY3

Variable name: battery3
Description: Form of the battery used for third NP exam

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|----|------------------|
| 1 | Short form |
| 2 | Long form |
| 21 | Novel G3 battery |

Neuropsychological assessment

| | |
|---|---------|
| . | Unknown |
|---|---------|

BATTERY4

Variable name: battery4
Description: Form of the battery used for fourth NP exam

| Code or Value | Description |
|---------------|------------------|
| 1 | Short form |
| 2 | Long form |
| 21 | Novel G3 battery |
| . | Unknown |

BATTERY5

Variable name: battery5
Description: Form of the battery used for fifth NP exam

| Code or Value | Description |
|---------------|------------------|
| 1 | Short form |
| 2 | Long form |
| 21 | Novel G3 battery |
| . | Unknown |

MARITAL1

Variable name: marital1
Description: Current marital status, NP exam 1

| Code or Value | Description |
|---------------|-------------|
| 1 | Single |
| 2 | Married |
| 3 | Widowed |
| 4 | Divorced |
| 5 | Separated |
| 6 | Other |
| . | Unknown |

MARITAL2

Neuropsychological assessment

Variable name: marital2
Description: Current marital status, NP Exam 2

Code or Value **Description**

| | |
|---|-----------|
| 1 | Single |
| 2 | Married |
| 3 | Widowed |
| 4 | Divorced |
| 5 | Separated |
| 6 | Other |
| . | Unknown |

MARITAL3

Variable name: marital3
Description: Current marital status, NP Exam 3

Code or Value **Description**

| | |
|---|-----------|
| 1 | Single |
| 2 | Married |
| 3 | Widowed |
| 4 | Divorced |
| 5 | Separated |
| 6 | Other |
| . | Unknown |

MARITAL4

Variable name: marital4
Description: Current marital status, NP Exam 4

Code or Value **Description**

| | |
|---|-----------|
| 1 | Single |
| 2 | Married |
| 3 | Widowed |
| 4 | Divorced |
| 5 | Separated |
| 6 | Other |
| . | Unknown |

Neuropsychological assessment

MARITAL5

Variable name: marital5
Description: Current marital status, NP Exam 5

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|-----------|
| 1 | Single |
| 2 | Married |
| 3 | Widowed |
| 4 | Divorced |
| 5 | Separated |
| 6 | Other |
| . | Unknown |

HANDEDNESS1

Variable name: handedness1
Description: Subject's handedness, NP Exam 1 (self-reporting)

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|--------------|
| 1 | Right |
| 2 | Left |
| 3 | Ambidextrous |
| . | Unknown |

HANDEDNESS2

Variable name: handedness2
Description: Subject's handedness, NP Exam 2 (self-reporting)

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|--------------|
| 1 | Right |
| 2 | Left |
| 3 | Ambidextrous |
| . | Unknown |

HANDEDNESS3

Variable name: handedness3
Description: Subject's handedness, NP Exam 3 (self-reporting)

Neuropsychological assessment

Code or Value Description

| | |
|---|--------------|
| 1 | Right |
| 2 | Left |
| 3 | Ambidextrous |
| . | Unknown |

HANDEDNESS4

Variable name: handedness4

Description: Subject's handedness, NP Exam 4 (self-reporting)

Code or Value Description

| | |
|---|--------------|
| 1 | Right |
| 2 | Left |
| 3 | Ambidextrous |
| . | Unknown |

HANDEDNESS5

Variable name: handedness5

Description: Subject's handedness, NP Exam 5 (self-reporting)

Code or Value Description

| | |
|---|--------------|
| 1 | Right |
| 2 | Left |
| 3 | Ambidextrous |
| . | Unknown |

EMPLOYMENT1

Variable name: employment1

Description: Employment status at first NP exam

Code or Value Description

| | |
|---|--|
| 0 | Works full time |
| 1 | Works part-time |
| 2 | Not working due to disability |
| 3 | Retired, no longer works |
| 4 | Unemployed (expects to return to work) |

Neuropsychological assessment

| | |
|----|--------------------------------------|
| 5 | Never worked for pay outside home |
| 6 | Volunteer |
| 7 | Other |
| 10 | Full-time student |
| 11 | Homemaker, expects to return to work |
| . | Unknown |

EMPLOYMENT2

Variable name: employment2
Description: Employment status at second NP exam

| Code or Value | Description |
|---------------|--|
| 0 | Works full time |
| 1 | Works part-time |
| 2 | Not working due to disability |
| 3 | Retired, no longer works |
| 4 | Unemployed (expects to return to work) |
| 5 | Never worked for pay outside home |
| 6 | Volunteer |
| 7 | Other |
| 10 | Full-time student |
| 11 | Homemaker, expects to return to work |
| . | Unknown |

EMPLOYMENT3

Variable name: employment3
Description: Employment status at third NP exam

| Code or Value | Description |
|---------------|--|
| 0 | Works full time |
| 1 | Works part-time |
| 2 | Not working due to disability |
| 3 | Retired, no longer works |
| 4 | Unemployed (expects to return to work) |
| 5 | Never worked for pay outside home |

Neuropsychological assessment

| | |
|----|--------------------------------------|
| 6 | Volunteer |
| 7 | Other |
| 10 | Full-time student |
| 11 | Homemaker, expects to return to work |
| . | Unknown |

EMPLOYMENT4

Variable name: employment4

Description: Employment status at fourth NP exam

Code or Value

Description

| | |
|----|--|
| 0 | Works full time |
| 1 | Works part-time |
| 2 | Not working due to disability |
| 3 | Retired, no longer works |
| 4 | Unemployed (expects to return to work) |
| 5 | Never worked for pay outside home |
| 6 | Volunteer |
| 7 | Other |
| 10 | Full-time student |
| 11 | Homemaker, expects to return to work |
| . | Unknown |

EMPLOYMENTS5

Variable name: employment5

Description: Employment status at fifth NP exam

Code or Value

Description

| | |
|----|--|
| 0 | Works full time |
| 1 | Works part-time |
| 2 | Not working due to disability |
| 3 | Retired, no longer works |
| 4 | Unemployed (expects to return to work) |
| 5 | Never worked for pay outside home |
| 6 | Volunteer |
| 7 | Other |
| 10 | Full-time student |

Neuropsychological assessment

| | |
|----|--------------------------------------|
| 11 | Homemaker, expects to return to work |
| . | Unknown |

EDUCATION_B11

Variable name: education_b11
Description: Highest Education Level Completed (Collected from NP battery1), NP Exam 1

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | College, did not graduate |
| 7 | College graduate |
| 8 | Postgraduate school |
| 10 | High school and business college, nursing school, music school, or art school only |
| . | Unknown |

EDUCATION_B12

Variable name: education_b12
Description: Highest Education Level Completed (Collected from NP battery1), NP Exam 2

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | College, did not graduate |
| 7 | College graduate |
| 8 | Postgraduate school |
| 10 | High school and business college, nursing school, music school, or art school only |
| . | Unknown |

Neuropsychological assessment

EDUCATION_B13

Variable name: education_b13
Description: Highest Education Level Completed (Collected from NP battery1), NP Exam 3

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | College, did not graduate |
| 7 | College graduate |
| 8 | Postgraduate school |
| 10 | High school and business college, nursing school, music school, or art school only |
| . | Unknown |

EDUCATION_B14

Variable name: education_b14
Description: Highest Education Level Completed (Collected from NP battery1), NP Exam 4

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | College, did not graduate |
| 7 | College graduate |
| 8 | Postgraduate school |
| 10 | High school and business college, nursing school, music school, or art school only |
| . | Unknown |

Neuropsychological assessment

EDUCATION_B15

Variable name: education_b15
Description: Highest Education Level Completed (Collected from NP battery1), NP Exam 5

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | College, did not graduate |
| 7 | College graduate |
| 8 | Postgraduate school |
| 10 | High school and business college, nursing school, music school, or art school only |
| . | Unknown |

EDUCATION_B21

Variable name: education_b21
Description: Highest Education Level Completed (Collected from NP battery2), NP Exam 1

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | GED |
| 7 | Some college course-work for credit (no certificate or degree) |
| 8 | Junior college – earned certificate or degree (e.g., AD) |
| 9 | Business college, nursing school, music school, art school |
| 10 | Technical School (post-HS) – earned certificate |

Neuropsychological assessment

| | |
|----|--|
| 11 | Four Year College, partial |
| 12 | Four Year College, graduate |
| 13 | Graduate School, partial (no Masters degree) |
| 14 | Graduate School (Masters) |
| 15 | Graduate School (Doctorate) |
| . | Unknown |

EDUCATION_B22

Variable name: education_b22
Description: Highest Education Level Completed (Collected from NP battery2), NP Exam 2

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | GED |
| 7 | Some college course-work for credit (no certificate or degree) |
| 8 | Junior college – earned certificate or degree (e.g., AD) |
| 9 | Business college, nursing school, music school, art school |
| 10 | Technical School (post-HS) – earned certificate |
| 11 | Four Year College, partial |
| 12 | Four Year College, graduate |
| 13 | Graduate School, partial (no Masters degree) |
| 14 | Graduate School (Masters) |
| 15 | Graduate School (Doctorate) |
| . | Unknown |

EDUCATION_B23

Variable name: education_b23

Neuropsychological assessment

Description: Highest Education Level Completed (Collected from NP battery2), NP Exam 3

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | GED |
| 7 | Some college course-work for credit (no certificate or degree) |
| 8 | Junior college – earned certificate or degree (e.g., AD) |
| 9 | Business college, nursing school, music school, art school |
| 10 | Technical School (post-HS) – earned certificate |
| 11 | Four Year College, partial |
| 12 | Four Year College, graduate |
| 13 | Graduate School, partial (no Masters degree) |
| 14 | Graduate School (Masters) |
| 15 | Graduate School (Doctorate) |
| . | Unknown |

EDUCATION_B24

Variable name: education_b24

Description: Highest Education Level Completed (Collected from NP battery2), NP Exam 4

| Code or Value | Description |
|---------------|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | GED |
| 7 | Some college course-work for credit (no certificate or degree) |

Neuropsychological assessment

| | |
|----|--|
| 8 | Junior college – earned certificate or degree (e.g., AD) |
| 9 | Business college, nursing school, music school, art school |
| 10 | Technical School (post-HS) – earned certificate |
| 11 | Four Year College, partial |
| 12 | Four Year College, graduate |
| 13 | Graduate School, partial (no Masters degree) |
| 14 | Graduate School (Masters) |
| 15 | Graduate School (Doctorate) |
| . | Unknown |

EDUCATION_B25

Variable name:

education_b25

Description:

Highest Education Level Completed (Collected from NP battery2), NP Exam 5

Code or Value

Description

| | |
|----|--|
| 0 | None |
| 1 | 4th grade or less |
| 2 | 5th, 6th, or 7th grades |
| 3 | Grade school graduate; no high school |
| 4 | High school, did not graduate |
| 5 | High school diploma |
| 6 | GED |
| 7 | Some college course-work for credit (no certificate or degree) |
| 8 | Junior college – earned certificate or degree (e.g., AD) |
| 9 | Business college, nursing school, music school, art school |
| 10 | Technical School (post-HS) – earned certificate |
| 11 | Four Year College, partial |
| 12 | Four Year College, graduate |
| 13 | Graduate School, partial (no Masters degree) |
| 14 | Graduate School (Masters) |
| 15 | Graduate School (Doctorate) |
| . | Unknown |

Neuropsychological assessment

EDUCG1

Variable name: educg1
Description: Education group (derived variable), NP Exam 1

| Code or Value | Description |
|---------------|------------------------------|
| 0 | High school did not graduate |
| 1 | High school graduate |
| 2 | Some college |
| 3 | College graduate |
| . | Unknown |

| | |
|---|------------------------------|
| 0 | High school did not graduate |
| 1 | High school graduate |
| 2 | Some college |
| 3 | College graduate |
| . | Unknown |

EDUCG2

Variable name: educg2
Description: Education group (derived variable), NP Exam 2

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|------------------------------|
| 0 | High school did not graduate |
| 1 | High school graduate |
| 2 | Some college |
| 3 | College graduate |
| . | Unknown |

EDUCG3

Variable name: educg3
Description: Education group (derived variable), NP Exam 3

| | |
|---|------------------------------|
| 0 | High school did not graduate |
| 1 | High school graduate |
| 2 | Some college |
| 3 | College graduate |
| . | Unknown |

EDUCG4

Variable name: educg4
Description: Education group (derived variable), NP Exam 4

Neuropsychological assessment

| | |
|---|------------------------------|
| 0 | High school did not graduate |
| 1 | High school graduate |
| 2 | Some college |
| 3 | College graduate |
| . | Unknown |

EDUCG5

Variable name: educg5
Description: Education group (derived variable), NP Exam 5

OCCUP_B11

Variable name: occup_b11
Description: Occupation from NP battery1, NP Exam 1

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|----------------------------|
| 1 | Major professionals |
| 2 | Business managers |
| 3 | Administrative personnel |
| 4 | Clerical and sales workers |
| 5 | Skilled manual employees |
| 6 | Semi-skilled employees |
| 7 | Unskilled employed |
| 8 | Never employed |
| . | Unknown |

OCCUP_B12

Variable name: occup_b12
Description: Occupation from NP battery1, NP Exam 2

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|----------------------------|
| 1 | Major professionals |
| 2 | Business managers |
| 3 | Administrative personnel |
| 4 | Clerical and sales workers |
| 5 | Skilled manual employees |
| 6 | Semi-skilled employees |
| 7 | Unskilled employed |

Neuropsychological assessment

| | |
|---|----------------|
| 8 | Never employed |
| . | Unknown |

OCCUP_B13

Variable name: occup_b13
Description: Occupation from NP battery1, NP Exam 3

Code or Value Description

| | |
|---|----------------------------|
| 1 | Major professionals |
| 2 | Business managers |
| 3 | Administrative personnel |
| 4 | Clerical and sales workers |
| 5 | Skilled manual employees |
| 6 | Semi-skilled employees |
| 7 | Unskilled employed |
| 8 | Never employed |
| . | Unknown |

OCCUP_B14

Variable name: occup_b14
Description: Occupation from NP battery1, NP Exam 4

Code or Value Description

| | |
|---|----------------------------|
| 1 | Major professionals |
| 2 | Business managers |
| 3 | Administrative personnel |
| 4 | Clerical and sales workers |
| 5 | Skilled manual employees |
| 6 | Semi-skilled employees |
| 7 | Unskilled employed |
| 8 | Never employed |
| . | Unknown |

OCCUP_B15

Variable name: occup_b15
Description: Occupation from NP battery1, NP Exam 5

Neuropsychological assessment

| Code or Value | Description |
|---------------|----------------------------|
| 1 | Major professionals |
| 2 | Business managers |
| 3 | Administrative personnel |
| 4 | Clerical and sales workers |
| 5 | Skilled manual employees |
| 6 | Semi-skilled employees |
| 7 | Unskilled employed |
| 8 | Never employed |
| . | Unknown |

OCCUP_B21

Variable name: occup_b21
Description: Occupation from NP battery2, NP Exam 1

| Code or Value | Description |
|---------------|--|
| 1 | Professional, Technical and Related Occupations |
| 2 | Executive, Administrative, and Managerial Occupations |
| 3 | Sales Occupations |
| 4 | Administrative Support Occupations, Including Clerical |
| 5 | Precision Production, Craft, and Repair Occupations |
| 6 | Machine Operators, Assemblers, and Inspectors |
| 7 | Transportation and Material Moving Occupations |
| 8 | Handlers, Equipment Cleaners, Helpers, and Laborers |
| 9 | Service Occupations, Except Private Household |
| 10 | Never employed for pay (e.g., homemaker) |
| . | Unknown |

OCCUP_B22

Variable name: occup_b22
Description: Occupation from NP battery2, NP Exam 2

Neuropsychological assessment

| | |
|----|--|
| 1 | Professional, Technical and Related Occupations |
| 2 | Executive, Administrative, and Managerial Occupations |
| 3 | Sales Occupations |
| 4 | Administrative Support Occupations, Including Clerical |
| 5 | Precision Production, Craft, and Repair Occupations |
| 6 | Machine Operators, Assemblers, and Inspectors |
| 7 | Transportation and Material Moving Occupations |
| 8 | Handlers, Equipment Cleaners, Helpers, and Laborers |
| 9 | Service Occupations, Except Private Household |
| 10 | Never employed for pay (e.g., homemaker) |
| . | Unknown |

OCCUP_B23

Variable name: occup_b23

Description: Occupation from NP battery2, NP Exam 3

| | |
|---|--|
| 1 | Professional, Technical and Related Occupations |
| 2 | Executive, Administrative, and Managerial Occupations |
| 3 | Sales Occupations |
| 4 | Administrative Support Occupations, Including Clerical |
| 5 | Precision Production, Craft, and Repair Occupations |
| 6 | Machine Operators, Assemblers, and Inspectors |
| 7 | Transportation and Material Moving Occupations |
| 8 | Handlers, Equipment Cleaners, Helpers, and Laborers |
| 9 | Service Occupations, Except Private Household |

Neuropsychological assessment

| | |
|----|--|
| 10 | Never employed for pay (e.g., homemaker) |
| . | Unknown |

OCCUP_B24

Variable name: occup_b24

Description: Occupation from NP battery2, NP Exam 4

| | |
|----|--|
| 1 | Professional, Technical and Related Occupations |
| 2 | Executive, Administrative, and Managerial Occupations |
| 3 | Sales Occupations |
| 4 | Administrative Support Occupations, Including Clerical |
| 5 | Precision Production, Craft, and Repair Occupations |
| 6 | Machine Operators, Assemblers, and Inspectors |
| 7 | Transportation and Material Moving Occupations |
| 8 | Handlers, Equipment Cleaners, Helpers, and Laborers |
| 9 | Service Occupations, Except Private Household |
| 10 | Never employed for pay (e.g., homemaker) |
| . | Unknown |

OCCUP_B25

Variable name: occup_b25

Description: Occupation from NP battery2, NP Exam 5

| | |
|---|--|
| 1 | Professional, Technical and Related Occupations |
| 2 | Executive, Administrative, and Managerial Occupations |
| 3 | Sales Occupations |
| 4 | Administrative Support Occupations, Including Clerical |
| 5 | Precision Production, Craft, and Repair Occupations |

Neuropsychological assessment

| | |
|----|---|
| 6 | Machine Operators, Assemblers, and Inspectors |
| 7 | Transportation and Material Moving Occupations |
| 8 | Handlers, Equipment Cleaners, Helpers, and Laborers |
| 9 | Service Occupations, Except Private Household |
| 10 | Never employed for pay (e.g., homemaker) |
| . | Unknown |

LMI1

Variable name: lmi1
Description: Total number correct verbatim and paraphrases from “Logical Memories – Immediate Recall”, NP Exam 1 (Range: 0 – 23)

LMI2

Variable name: lmi2
Description: Total number correct verbatim and paraphrases from “Logical Memories – Immediate Recall”, NP Exam 2 (Range: 0 – 23)

LMI3

Variable name: lmi3
Description: Total number correct verbatim and paraphrases from “Logical Memories – Immediate Recall”, NP Exam 3 (Range: 0 – 23)

LMI4

Variable name: lmi4
Description: Total number correct verbatim and paraphrases from “Logical Memories – Immediate Recall”, NP Exam 4 (Range: 0 – 23)

LMIS5

Variable name: lmi5
Description: Total number correct verbatim and paraphrases from “Logical Memories – Immediate Recall”, NP Exam 5 (Range: 0 – 23)

LMD1

Neuropsychological assessment

Variable name: lmd1
Description: Total number correct verbatim and paraphrases from “Logical Memories – Delayed Recall”, NP Exam 1 (Range: 0 – 23)

LMD2

Variable name: lmd2
Description: Total number correct verbatim and paraphrases from “Logical Memories – Delayed Recall”, NP Exam 2 (Range: 0 – 23)

LMD3

Variable name: lmd3
Description: Total number correct verbatim and paraphrases from “Logical Memories – Delayed Recall”, NP Exam 3 (Range: 0 – 23)

LMD4

Variable name: lmd4
Description: Total number correct verbatim and paraphrases from “Logical Memories – Delayed Recall”, NP Exam 4 (Range: 0 – 23)

LMD5

Variable name: lmd5
Description: Total number correct verbatim and paraphrases from “Logical Memories – Delayed Recall”, NP Exam 5 (Range: 0 – 23)

LMR1

Variable name: lmr1
Description: Logical Memories – Recognition, NP Exam 1 (Range: 0 – 11)

LMR2

Variable name: lmr2
Description: Logical Memories – Recognition, NP Exam 2 (Range: 0 – 11)

LMR3

Variable name: lmr3
Description: Logical Memories – Recognition, NP Exam 3 (Range: 0 – 11)

LMR4

Neuropsychological assessment

Variable name:

lmr4

Description:

Logical Memories – Recognition, NP Exam 4 (Range: 0 – 11)

LMR5

Variable name:

lmr5

Description:

Logical Memories – Recognition, NP Exam 5 (Range: 0 – 11)

LMI_JOE1

Variable name:

lmi_joe1

Description:

Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Immediate Recall” (only for Joe Garcia), NP Exam 1 (Range: 0 – 23)

LMI_JOE2

Variable name:

lmi_joe2

Description:

Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Immediate Recall” (only for Joe Garcia), NP Exam 2 (Range: 0 – 23)

LMI_JOE3

Variable name:

lmi_joe3

Description:

Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Immediate Recall” (only for Joe Garcia), NP Exam 3 (Range: 0 – 23)

LMI_JOE4

Variable name:

lmi_joe4

Description:

Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Immediate Recall” (only for Joe Garcia), NP Exam 4 (Range: 0 – 23)

LMI_JOE5

Variable name:

lmi_joe5

Description:

Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Immediate Recall” (only for Joe Garcia), NP Exam 5 (Range: 0 – 23)

Neuropsychological assessment

LMD_JOE1

Variable name: lmd_joe1
Description: Total number of correct verbatim and paraphrases from WMS -III “Logical Memory – Delayed Recall” (only for Joe Garcia), NP Exam 1 (Range: 0 – 23)

LMD_JOE2

Variable name: lmd_joe2
Description: Total number of correct verbatim and paraphrases from WMS -III “Logical Memory – Delayed Recall” (only for Joe Garcia), NP Exam 2 (Range: 0 – 23)

LMD_JOE3

Variable name: lmd_joe3
Description: Total number of correct verbatim and paraphrases from WMS -III “Logical Memory – Delayed Recall” (only for Joe Garcia), NP Exam 3 (Range: 0 – 23)

LMD_JOE4

Variable name: lmd_joe4
Description: Total number of correct verbatim and paraphrases from WMS -III “Logical Memory – Delayed Recall” (only for Joe Garcia), NP Exam 4 (Range: 0 – 23)

LMD_JOE5

Variable name: lmd_joe5
Description: Total number of correct verbatim and paraphrases from WMS -III “Logical Memory – Delayed Recall” (only for Joe Garcia), NP Exam 5 (Range: 0 – 23)

LMR_JOE1

Variable name: lmr_joe1
Description: Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Recognition” (only for Joe Garcia), NP Exam 1 (Range: 0 – 11)

LMR_JOE2

Variable name: lmr_joe2

Neuropsychological assessment

Description: Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Recognition” (only for Joe Garcia), NP Exam 2 (Range: 0 – 11)

LMR_JOE3

Variable name: lmr_joe3

Description: Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Recognition” (only for Joe Garcia), NP Exam 3 (Range: 0 – 11)

LMR_JOE4

Variable name: lmr_joe4

Description: Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Recognition” (only for Joe Garcia), NP Exam 4 (Range: 0 – 11)

LMR_JOE5

Variable name: lmr_joe5

Description: Total number of correct verbatim and paraphrases from WMS-III “Logical Memory – Recognition” (only for Joe Garcia), NP Exam 5 (Range: 0 – 11)

VRI1

Variable name: vri1

Description: Total points scored from “Visual Reproductions – Immediate Recall”, NP Exam 1 (Range: 0 – 14)

VRI2

Variable name: vri2

Description: Total points scored from “Visual Reproductions – Immediate Recall”, NP Exam 2 (Range: 0 – 14)

VRI3

Variable name: vri3

Description: Total points scored from “Visual Reproductions – Immediate Recall”, NP Exam 3 (Range: 0 – 14)

VRI4

Variable name: vri4

Description: Total points scored from “Visual Reproductions – Immediate Recall”, NP Exam 4 (Range: 0 – 14)

Neuropsychological assessment

VRI5

Variable name: vri5
Description: Total points scored from “Visual Reproductions – Immediate Recall”, NP Exam 5 (Range: 0 – 14)

VRD1

Variable name: vrd1
Description: Total points scored from “Visual Reproductions – Delayed Recall”, NP Exam 1 (Range: 0 – 14)

VRD2

Variable name: vrd2
Description: Total points scored from “Visual Reproductions – Delayed Recall”, NP Exam 2 (Range: 0 – 14)

VRD3

Variable name: vrd3
Description: Total points scored from “Visual Reproductions – Delayed Recall”, NP Exam 3 (Range: 0 – 14)

VRD4

Variable name: vrd4
Description: Total points scored from “Visual Reproductions – Delayed Recall”, NP Exam 4 (Range: 0 – 14)

VRD5

Variable name: vrd5
Description: Total points scored from “Visual Reproductions – Delayed Recall”, NP Exam 5 (Range: 0 – 14)

VRR1

Variable name: vrr1
Description: Total points scored from “Visual Reproductions – Recognition”, NP Exam 1 (Range: 0 – 4)

Neuropsychological assessment

VRR2

Variable name: vrr2
Description: Total points scored from “Visual Reproductions – Recognition”, NP Exam 2 (Range: 0 – 4)

VRR3

Variable name: vrr3
Description: Total points scored from “Visual Reproductions – Recognition”, NP Exam 3 (Range: 0 – 4)

VRR4

Variable name: vrr4
Description: Total points scored from “Visual Reproductions – Recognition”, NP Exam 4 (Range: 0 – 4)

VRR5

Variable name: vrr5
Description: Total points scored from “Visual Reproductions – Recognition”, NP Exam 5 (Range: 0 – 4)

PASI1

Variable name: pasi1
Description: Total Score from “Paired Associate Learning – Immediate Recall”, NP Exam 1 (Range 0 – 21)

PASI2

Variable name: pasi2
Description: Total Score from “Paired Associate Learning – Immediate Recall”, NP Exam 2 (Range 0 – 21)

PASI3

Variable name: pasi3
Description: Total Score from “Paired Associate Learning – Immediate Recall”, NP Exam 3 (Range 0 – 21)

PASI4

Neuropsychological assessment

Variable name: pasi4
Description: Total Score from “Paired Associate Learning – Immediate Recall”, NP Exam 4 (Range 0 – 21)

PASI5

Variable name: pasi5
Description: Total Score from “Paired Associate Learning – Immediate Recall”, NP Exam 5 (Range 0 – 21)

PASI_E1

Variable name: pasi_e1
Description: Easy Score from “Paired Associate Learning – Immediate Recall”, NP Exam 1 (Range: 0 – 18)

PASI_E2

Variable name: pasi_e2
Description: Easy Score from “Paired Associate Learning – Immediate Recall”, NP Exam 2 (Range: 0 – 18)

PASI_E3

Variable name: pasi_e3
Description: Easy Score from “Paired Associate Learning – Immediate Recall”, NP Exam 3 (Range: 0 – 18)

PASI_E4

Variable name: pasi_e4
Description: Easy Score from “Paired Associate Learning – Immediate Recall”, NP Exam 4 (Range: 0 – 18)

PASI_E5

Variable name: pasi_e5
Description: Easy Score from “Paired Associate Learning – Immediate Recall”, NP Exam 5 (Range: 0 – 18)

PASI_H1

Variable name: pasi_h1

Neuropsychological assessment

Description: Hard Score from “Paired Associate Learning – Immediate Recall”, NP Exam 1 (Range: 0 – 12)

PASI_H2

Variable name: pasi_h2

Description: Hard Score from “Paired Associate Learning – Immediate Recall”, NP Exam 2 (Range: 0 – 12)

PASI_H3

Variable name: pasi_h3

Description: Hard Score from “Paired Associate Learning – Immediate Recall”, NP Exam 3 (Range: 0 – 12)

PASI_H4

Variable name: pasi_h4

Description: Hard Score from “Paired Associate Learning – Immediate Recall”, NP Exam 4 (Range: 0 – 12)

PASI_H5

Variable name: pasi_h5

Description: Hard Score from “Paired Associate Learning – Immediate Recall”, NP Exam 5 (Range: 0 – 12)

PASD1

Variable name: pasd1

Description: Total Score from “Paired Associate Learning – Delayed Recall”, NP Exam 1 (Range: 0 – 10)

PASD2

Variable name: pasd2

Description: Total Score from “Paired Associate Learning – Delayed Recall”, NP Exam 2 (Range: 0 – 10)

PASD3

Variable name: pasd3

Description: Total Score from “Paired Associate Learning – Delayed Recall”, NP Exam 3 (Range: 0 – 10)

Neuropsychological assessment

PASD4

Variable name: pasd4
Description: Total Score from “Paired Associate Learning – Delayed Recall”, NP Exam 4
(Range: 0 – 10)

PASD5

Variable name: pasd5
Description: Total Score from “Paired Associate Learning – Delayed Recall”, NP Exam 5
(Range: 0 – 10)

PASD_E1

Variable name: pasd_e1
Description: Easy Score from “Paired Associate Learning – Delayed Recall”, NP Exam 1
(Range: 0 – 6)

PASD_E2

Variable name: pasd_e2
Description: Easy Score from “Paired Associate Learning – Delayed Recall”, NP Exam 2
(Range: 0 – 6)

PASD_E3

Variable name: pasd_e3
Description: Easy Score from “Paired Associate Learning – Delayed Recall”, NP Exam 3
(Range: 0 – 6)

PASD_E4

Variable name: pasd_e4
Description: Easy Score from “Paired Associate Learning – Delayed Recall”, NP Exam 4
(Range: 0 – 6)

PASD_E5

Variable name: pasd_e5
Description: Easy Score from “Paired Associate Learning – Delayed Recall”, NP Exam 5
(Range: 0 – 6)

PASD_H1

Neuropsychological assessment

Variable name: pasd_h1
Description: Hard Score from “Paired Associate Learning – Delayed Recall”, NP Exam 1
(Range: 0 – 4)

PASD_H2

Variable name: pasd_h2
Description: Hard Score from “Paired Associate Learning – Delayed Recall”, NP Exam 2
(Range: 0 – 4)

PASD_H3

Variable name: pasd_h3
Description: Hard Score from “Paired Associate Learning – Delayed Recall”, NP Exam 3
(Range: 0 – 4)

PASD_H4

Variable name: pasd_h4
Description: Hard Score from “Paired Associate Learning – Delayed Recall”, NP Exam 4
(Range: 0 – 4)

PASD_H5

Variable name: pasd_h5
Description: Hard Score from “Paired Associate Learning – Delayed Recall”, NP Exam 5
(Range: 0 – 4)

PASR1

Variable name: pasr1
Description: Total Score from “Paired Associate Learning - Recognition”, NP Exam 1
(Range: 0 – 10)

PASR2

Variable name: pasr2
Description: Total Score from “Paired Associate Learning - Recognition”, NP Exam 2
(Range: 0 – 10)

PASR3

Variable name: pasr3

Neuropsychological assessment

Description: Total Score from “Paired Associate Learning - Recognition”, NP Exam 3
(Range: 0 – 10)

PASR4

Variable name: pasr4
Description: Total Score from “Paired Associate Learning - Recognition”, NP Exam 4
(Range: 0 – 10)

PASR5

Variable name: pasr5
Description: Total Score from “Paired Associate Learning - Recognition”, NP Exam 5
(Range: 0 – 10)

DSF1

Variable name: dsf1
Description: Highest string from “Digits Forward Span”, NP Exam 1 (Range: 0 – 9)

DSF2

Variable name: dsf2
Description: Highest string from “Digits Forward Span”, NP Exam 2 (Range: 0 – 9)

DSF3

Variable name: dsf3
Description: Highest string from “Digits Forward Span”, NP Exam 3 (Range: 0 – 9)

DSF4

Variable name: dsf4
Description: Highest string from “Digits Forward Span”, NP Exam 4 (Range: 0 – 9)

DSF5

Variable name: dsf5
Description: Highest string from “Digits Forward Span”, NP Exam 5 (Range: 0 – 9)

DSB1

Variable name: dsb1
Description: Highest string from “Digits Backward Span”, NP Exam 1 (Range: 0 – 8)

Neuropsychological assessment

DSB2

Variable name: dsb2
Description: Highest string from “Digits Backward Span”, NP Exam 2 (Range: 0 – 8)

DSB3

Variable name: dsb3
Description: Highest string from “Digits Backward Span”, NP Exam 3 (Range: 0 – 8)

DSB4

Variable name: dsb4
Description: Highest string from “Digits Backward Span”, NP Exam 4 (Range: 0 – 8)

DSB5

Variable name: dsb5
Description: Highest string from “Digits Backward Span”, NP Exam 5 (Range: 0 – 8)

TRAILSA1

Variable name: trailsA1
Description: Time in minutes to finish “Trail A”, NP Exam 1 – capped at 7 minutes (Range: 0.10 – 7.0)

TRAILSA2

Variable name: trailsA2
Description: Time in minutes to finish “Trail A”, NP Exam 2 – capped at 7 minutes (Range: 0.10 – 7.0)

TRAILSA3

Variable name: trailsA3
Description: Time in minutes to finish “Trail A”, NP Exam 3 – capped at 7 minutes (Range: 0.10 – 7.0)

TRAILSA4

Variable name: trailsA4
Description: Time in minutes to finish “Trail A”, NP Exam 4 – capped at 7 minutes (Range: 0.10 – 7.0)

Neuropsychological assessment

TRAILS A5

Variable name: trailsA5
Description: Time in minutes to finish “Trail A”, NP Exam 5 – capped at 7 minutes (Range: 0.10 – 7.0)

| Code or Value | Description | Count |
|---------------|----------------|-------|
| 0.23 – 2.70 | Range of value | 324 |
| . | Unknown | 5306 |

TRAILS B1

Variable name: trailsB1
Description: Time in minutes to finish “Trail B”, NP Exam 1 – capped at 10 minutes (Range: 0.32 – 10.0)

TRAILS B2

Variable name: trailsB2
Description: Time in minutes to finish “Trail B”, NP Exam 2 – capped at 10 minutes (Range: 0.32 – 10.0)

TRAILS B3

Variable name: trailsB3
Description: Time in minutes to finish “Trail B”, NP Exam 3 – capped at 10 minutes (Range: 0.32 – 10.0)

TRAILS B4

Variable name: trailsB4
Description: Time in minutes to finish “Trail B”, NP Exam 4 – capped at 10 minutes (Range: 0.32 – 10.0)

TRAILS B5

Variable name: trailsB5
Description: Time in minutes to finish “Trail B”, NP Exam 5 – capped at 10 minutes (Range: 0.32 – 10.0)

SIM1

Neuropsychological assessment

Variable name: sim1
Description: Total raw score from “Similarities Test”, NP Exam 1 (Range: 0 – 26)

SIM2

Variable name: sim2
Description: Total raw score from “Similarities Test”, NP Exam 2 (Range: 0 – 26)

| Code or Value | Description | Count |
|---------------|-------------|-------|
|---------------|-------------|-------|

| | | |
|--------|----------------|------|
| 0 – 26 | Range of value | 2489 |
| . | Unknown | 3141 |

SIM3

Variable name: sim3
Description: Total raw score from “Similarities Test”, NP Exam 3 (Range: 0 – 26)

SIM4

Variable name: sim4
Description: Total raw score from “Similarities Test”, NP Exam 4 (Range: 0 – 26)

| Code or Value | Description | Count |
|---------------|-------------|-------|
|---------------|-------------|-------|

| | | |
|--------|----------------|------|
| 0 – 26 | Range of value | 853 |
| . | Unknown | 4777 |

SIM5

Variable name: sim5
Description: Total raw score from “Similarities Test”, NP Exam 5 (Range: 0 – 26)

HVOT1

Variable name: hvot1
Description: Total score from “Hooper Visual Organization Test”, NP Exam 1 (Range: 0 – 30)

HVOT2

Variable name: hvot2
Description: Total score from “Hooper Visual Organization Test”, NP Exam 2 (Range: 0 – 30)

Neuropsychological assessment

HVOT3

Variable name: hvot3
Description: Total score from “Hooper Visual Organization Test”, NP Exam 3 (Range: 0 – 30)

HVOT4

Variable name: hvot4
Description: Total score from “Hooper Visual Organization Test”, NP Exam 4 (Range: 0 – 30)

HVOT5

Variable name: hvot5
Description: Total score from “Hooper Visual Organization Test”, NP Exam 5 (Range: 0 – 30)

BNT101

Variable name: bnt101
Description: Correct score without cue from 10 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 10)

BNT102

Variable name: bnt102
Description: Correct score without cue from 10 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 10)

BNT103

Variable name: bnt103
Description: Correct score without cue from 10 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 10)

BNT104

Variable name: bnt104
Description: Correct score without cue from 10 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 10)

BNT105

Neuropsychological assessment

Variable name: bnt105
Description: Correct score without cue from 10 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 10)

BNT10_SEMANTIC1

Variable name: bnt10_semantic1
Description: Correct score with semantic cue from 10 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 10)

BNT10_SEMANTIC2

Variable name: bnt10_semantic2
Description: Correct score with semantic cue from 10 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 10)

BNT10_SEMANTIC3

Variable name: bnt10_semantic3
Description: Correct score with semantic cue from 10 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 10)

BNT10_SEMANTIC4

Variable name: bnt10_semantic4
Description: Correct score with semantic cue from 10 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 10)

BNT10_SEMANTIC5

Variable name: bnt10_semantic5
Description: Correct score with semantic cue from 10 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 10)

BNT10_PHONEMIC1

Variable name: bnt10_phonemic1
Description: Correct score with phonemic cue from 10 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 10)

BNT10_PHONEMIC2

Variable name: bnt10_phonemic2

Neuropsychological assessment

Description: Correct score with phonemic cue from 10 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 10)

BNT10_PHONEMIC3

Variable name: bnt10_phonemic3

Description: Correct score with phonemic cue from 10 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 10)

BNT10_PHONEMIC4

Variable name: bnt10_phonemic4

Description: Correct score with phonemic cue from 10 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 10)

BNT10_PHONEMIC5

Variable name: bnt10_phonemic5

Description: Correct score with phonemic cue from 10 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 10)

BNT301

Variable name: bnt301

Description: Correct score without cue from 30 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 30)

BNT302

Variable name: bnt302

Description: Correct score without cue from 30 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 30)

BNT303

Variable name: bnt303

Description: Correct score without cue from 30 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 30)

BNT304

Variable name: bnt304

Description: Correct score without cue from 30 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 30)

Neuropsychological assessment

BNT305

Variable name: bnt305
Description: Correct score without cue from 30 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 30)

BNT30_SEMANTIC1

Variable name: bnt30_semantic1
Description: Correct score with semantic cue from 30 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 30)

BNT30_SEMANTIC2

Variable name: bnt30_semantic2
Description: Correct score with semantic cue from 30 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 30)

BNT30_SEMANTIC3

Variable name: bnt30_semantic3
Description: Correct score with semantic cue from 30 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 30)

BNT30_SEMANTIC4

Variable name: bnt30_semantic4
Description: Correct score with semantic cue from 30 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 30)

BNT30_SEMANTIC5

Variable name: bnt30_semantic5
Description: Correct score with semantic cue from 30 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 30)

BNT30_PHONEMIC1

Variable name: bnt30_phonemic1
Description: Correct score with phonemic cue from 30 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 30)

BNT30_PHONEMIC2

Neuropsychological assessment

Variable name: bnt30_phonemic2
Description: Correct score with phonemic cue from 30 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 30)

BNT30_PHONEMIC3

Variable name: bnt30_phonemic3
Description: Correct score with phonemic cue from 30 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 30)

BNT30_PHONEMIC4

Variable name: bnt30_phonemic4
Description: Correct score with phonemic cue from 30 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 30)

BNT30_PHONEMICS

Variable name: bnt30_phonemic5
Description: Correct score with phonemic cue from 30 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 30)

BNT361

Variable name: bnt361
Description: Correct score without cue from 36 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 36)

BNT362

Variable name: bnt362
Description: Correct score without cue from 36 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 36)

BNT363

Variable name: bnt363
Description: Correct score without cue from 36 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 36)

BNT364

Variable name: bnt364

Neuropsychological assessment

Description: Correct score without cue from 36 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 36)

BNT365

Variable name: bnt365

Description: Correct score without cue from 36 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 36)

BNT36_SEMANTIC1

Variable name: bnt36_semantic1

Description: Correct score with semantic cue from 36 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 36)

BNT36_SEMANTIC2

Variable name: bnt36_semantic2

Description: Correct score with semantic cue from 36 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 36)

BNT36_SEMANTIC3

Variable name: bnt36_semantic3

Description: Correct score with semantic cue from 36 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 36)

BNT36_SEMANTIC4

Variable name: bnt36_semantic4

Description: Correct score with semantic cue from 36 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 36)

BNT36_SEMANTIC5

Variable name: bnt36_semantic5

Description: Correct score with semantic cue from 36 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 36)

BNT36_PHONEMIC1

Variable name: bnt36_phonemic1

Description: Correct score with phonemic cue from 36 items of “Boston Naming Test”, NP Exam 1 (Range: 0 – 36)

Neuropsychological assessment

BNT36_PHONEMIC2

Variable name: bnt36_phonemic2
Description: Correct score with phonemic cue from 36 items of “Boston Naming Test”, NP Exam 2 (Range: 0 – 36)

BNT36_PHONEMIC3

Variable name: bnt36_phonemic3
Description: Correct score with phonemic cue from 36 items of “Boston Naming Test”, NP Exam 3 (Range: 0 – 36)

BNT36_PHONEMIC4

Variable name: bnt36_phonemic4
Description: Correct score with phonemic cue from 36 items of “Boston Naming Test”, NP Exam 4 (Range: 0 – 36)

BNT36_PHONEMICS

Variable name: bnt36_phonemic5
Description: Correct score with phonemic cue from 36 items of “Boston Naming Test”, NP Exam 5 (Range: 0 – 36)

FINGTAPR1

Variable name: FingTapR1
Description: Mean of five trials of “Finger-tapping” of right hand, NP Exam 1

FINGTAPR2

Variable name: FingTapR2
Description: Mean of five trials of “Finger-tapping” of right hand, NP Exam 2

FINGTAPR3

Variable name: FingTapR3
Description: Mean of five trials of “Finger-tapping” of right hand, NP Exam 3

FINGTAPR4

Variable name: FingTapR4
Description: Mean of five trials of “Finger-tapping” of right hand, NP Exam 4

Neuropsychological assessment

FINGTAPR5

Variable name: FingTapR5
Description: Mean of five trials of “Finger-tapping” of right hand, NP Exam 5

FINGTAPL1

Variable name: FingTapL1
Description: Mean of five trials of “Finger-tapping” of left hand, NP Exam 1

FINGTAPL2

Variable name: FingTapL2
Description: Mean of five trials of “Finger-tapping” of left hand, NP Exam 2

FINGTAPL3

Variable name: FingTapL3
Description: Mean of five trials of “Finger-tapping” of left hand, NP Exam 3

FINGTAPL4

Variable name: FingTapL4
Description: Mean of five trials of “Finger-tapping” of left hand, NP Exam 4

FINGTAPL5

Variable name: FingTapL5
Description: Mean of five trials of “Finger-tapping” of left hand, NP Exam 5

WRAT1

Variable name: wrat1
Description: Raw Score from “Wide Range Achievement Test –Reading”, NP Exam 1
(Range: 15 – 57)

WRAT2

Variable name: wrat2
Description: Raw Score from “Wide Range Achievement Test –Reading”, NP Exam 2
(Range: 15 – 57)

WRAT3

Neuropsychological assessment

Variable name: wrat3
Description: Raw Score from “Wide Range Achievement Test –Reading”, NP Exam 3
(Range: 15 – 57)

WRAT4

Variable name: wrat4
Description: Raw Score from “Wide Range Achievement Test –Reading”, NP Exam 4
(Range: 15 – 57)

WRAT5

Variable name: wrat5
Description: Raw Score from “Wide Range Achievement Test –Reading”, NP Exam 5
(Range: 15 – 57)

FAS1

Variable name: fas1
Description: The total words from the Controlled Oral Word Association Test, NP Exam 1

FAS2

Variable name: fas2
Description: The total words from the Controlled Oral Word Association Test, NP Exam 2

FAS3

Variable name: fas3
Description: The total words from the Controlled Oral Word Association Test, NP Exam 3

FAS4

Variable name: fas4
Description: The total words from the Controlled Oral Word Association Test, NP Exam 4

FAS5

Variable name: fas5

Neuropsychological assessment

Description: The total words from the Controlled Oral Word Association Test, NP Exam
5

FAS_ANIMAL1

Variable name: fas_animal1
Description: The total words from the animal part of the Category Naming Test, NP Exam
1

Note: this variable only available on “NP battery2”

FAS_ANIMAL2

Variable name: fas_animal2
Description: The total words from the animal part of the Category Naming Test, NP Exam
2

Note: this variable only available on “NP battery2”

FAS_ANIMAL3

Variable name: fas_animal3
Description: The total words from the animal part of the Category Naming Test, NP Exam
3

Note: this variable only available on “NP battery2”

FAS_ANIMAL4

Variable name: fas_animal4
Description: The total words from the animal part of the Category Naming Test, NP Exam
4

Note: this variable only available on “NP battery2”

FAS_ANIMAL5

Variable name: fas_animal5
Description: The total words from the animal part of the Category Naming Test, NP Exam
5

Note: this variable only available on “NP battery2”

BD1

Neuropsychological assessment

Variable name:

bd1

Description:

Total Score from “Block Design”, NP Exam 1 (Range: 0 – 26)

BD2

Variable name:

bd2

Description:

Total Score from “Block Design”, NP Exam 2 (Range: 0 – 26)

BD3

Variable name:

bd3

Description:

Total Score from “Block Design”, NP Exam 3 (Range: 0 – 26)

BD4

Variable name:

bd4

Description:

Total Score from “Block Design”, NP Exam 4 (Range: 0 – 26)

BD5

Variable name:

bd5

Description:

Total Score from “Block Design”, NP Exam 5 (Range: 0 – 26)

WAIS1

Variable name:

wais1

Description:

Total correct answers from “WAIS test”, NP Exam 1 (Range: 0 – 29)

WAIS2

Variable name:

wais2

Description:

Total correct answers from “WAIS test”, NP Exam 2 (Range: 0 – 29)

WAIS3

Variable name:

wais3

Description:

Total correct answers from “WAIS test”, NP Exam 3 (Range: 0 – 29)

WAIS4

Variable name:

wais4

Description:

Total correct answers from “WAIS test”, NP Exam 4 (Range: 0 – 29)

Neuropsychological assessment

WAIS5

Variable name: wais5
Description: Total correct answers from “WAIS test”, NP Exam 5 (Range: 0 – 29)

MRI3521

Variable name: mri3521
Description: Tester’s impression of participant’s dementia status (Not verified), NP Exam 1

| Code or Value | Description |
|---------------|--------------------------------|
| 0 | Not demented |
| 0.25 | Not demented/MCI |
| 0.5 | Mild Cognitive Impairment |
| 1 | Mildly Demented |
| 1.5 | Mild – Moderately Demented |
| 2 | Moderately Demented |
| 2.5 | Moderately – Severely Demented |
| 3 | Severely Demented |
| 5 | Non-progressive impairment |
| . | Unknown |

MRI3522

Variable name: mri3522
Description: Tester’s impression of participant’s dementia status (Not verified), NP Exam 2

| Code or Value | Description |
|---------------|--------------------------------|
| 0 | Not demented |
| 0.25 | Not demented/MCI |
| 0.5 | Mild Cognitive Impairment |
| 1 | Mildly Demented |
| 1.5 | Mild – Moderately Demented |
| 2 | Moderately Demented |
| 2.5 | Moderately – Severely Demented |
| 3 | Severely Demented |
| 5 | Non-progressive impairment |
| . | Unknown |

Neuropsychological assessment

MRI3523

Variable name: mri3523
Description: Tester's impression of participant's dementia status (Not verified), NP Exam 3

| Code or Value | Description |
|---------------|--------------------------------|
| 0 | Not demented |
| 0.25 | Not demented/MCI |
| 0.5 | Mild Cognitive Impairment |
| 1 | Mildly Demented |
| 1.5 | Mild – Moderately Demented |
| 2 | Moderately Demented |
| 2.5 | Moderately – Severely Demented |
| 3 | Severely Demented |
| 5 | Non-progressive impairment |
| . | Unknown |

MRI3524

Variable name: mri3524
Description: Tester's impression of participant's dementia status (Not verified), NP Exam 4

| Code or Value | Description |
|---------------|--------------------------------|
| 0 | Not demented |
| 0.25 | Not demented/MCI |
| 0.5 | Mild Cognitive Impairment |
| 1 | Mildly Demented |
| 1.5 | Mild – Moderately Demented |
| 2 | Moderately Demented |
| 2.5 | Moderately – Severely Demented |
| 3 | Severely Demented |
| 5 | Non-progressive impairment |
| . | Unknown |

MRI3525

Variable name: mri3525
Description: Tester's impression of participant's dementia status (Not verified), NP Exam 5

Neuropsychological assessment

| Code or Value | Description |
|---------------|--------------------------------|
| 0 | Not demented |
| 0.25 | Not demented/MCI |
| 0.5 | Mild Cognitive Impairment |
| 1 | Mildly Demented |
| 1.5 | Mild – Moderately Demented |
| 2 | Moderately Demented |
| 2.5 | Moderately – Severely Demented |
| 3 | Severely Demented |
| 5 | Non-progressive impairment |
| . | Unknown |

CODING_CORRECT1

Variable name: coding_correct1
Description: Total correct from WAIS-IV Coding, NP Exam 1

CODING_CORRECT2

Variable name: coding_correct2
Description: Total correct from WAIS-IV Coding, NP Exam 2

CODING_CORRECT3

Variable name: coding_correct3
Description: Total correct from WAIS-IV Coding, NP Exam 3

CODING_CORRECT4

Variable name: coding_correct4
Description: Total correct from WAIS-IV Coding, NP Exam 4

CODING_CORRECT5

Variable name: coding_correct5
Description: Total correct from WAIS-IV Coding, NP Exam 5

CODING_INCORRECT1

Variable name: coding_incorrect1
Description: Total incorrect from WAIS-IV Coding, NP Exam 1

CODING_INCORRECT2

Variable name: coding_incorrect2
Description: Total incorrect from WAIS-IV Coding, NP Exam 2

CODING_INCORRECT3

Variable name: coding_incorrect3
Description: Total incorrect from WAIS-IV Coding, NP Exam 3

CODING_INCORRECT4

Variable name: coding_incorrect4
Description: Total incorrect from WAIS-IV Coding, NP Exam 4

CODING_INCORRECT5

Variable name: coding_incorrect5
Description: Total incorrect from WAIS-IV Coding, NP Exam 5

INCIDENTAL_PAIRED1

Variable name: Incidental_paired1
Description: Total correct from Paired Incidental Learning (Given the number from Coding, the participant had to draw the appropriate symbol associated with that number; each number is presented twice), NP Exam 1

INCIDENTAL_PAIRED2

Variable name: Incidental_paired2
Description: Total correct from Paired Incidental Learning (Given the number from Coding, the participant had to draw the appropriate symbol associated with that number; each number is presented twice), NP Exam 2

INCIDENTAL_PAIRED3

Variable name: Incidental_paired3
Description: Total correct from Paired Incidental Learning (Given the number from Coding, the participant had to draw the appropriate symbol associated with that number; each number is presented twice), NP Exam 3

INCIDENTAL_PAIRED4

Variable name: Incidental_paired4

Neuropsychological assessment

Description: Total correct from Paired Incidental Learning (Given the number from Coding, the participant had to draw the appropriate symbol associated with that number; each number is presented twice), NP Exam 4

INCIDENTAL_PAIREDS

Variable name: Incidental_paired5

Description: Total correct from Paired Incidental Learning (Given the number from Coding, the participant had to draw the appropriate symbol associated with that number; each number is presented twice), NP Exam 5

INCIDENTAL_FREE1

Variable name: Incidental_free1

Description: Total correct from Free Recall Incidental Learning (The participant was asked to draw all the symbols they remember from the Coding task, without having to identify which number accompanied the symbol), NP Exam 1

INCIDENTAL_FREE2

Variable name: Incidental_free2

Description: Total correct from Free Recall Incidental Learning (The participant was asked to draw all the symbols they remember from the Coding task, without having to identify which number accompanied the symbol), NP Exam 2

INCIDENTAL_FREE3

Variable name: Incidental_free3

Description: Total correct from Free Recall Incidental Learning (The participant was asked to draw all the symbols they remember from the Coding task, without having to identify which number accompanied the symbol), NP Exam 3

INCIDENTAL_FREE4

Variable name: Incidental_free4

Description: Total correct from Free Recall Incidental Learning (The participant was asked to draw all the symbols they remember from the Coding task, without having to identify which number accompanied the symbol), NP Exam 4

INCIDENTAL_FREES

Neuropsychological assessment

Variable name: Incidental_free5
Description: Total correct from Free Recall Incidental Learning (The participant was asked to draw all the symbols they remember from the Coding task, without having to identify which number accompanied the symbol), NP Exam 5

MATH_CORRECT1

Variable name: Math_correct1
Description: Total correct responses for Math Fluency, NP Exam 1

MATH_CORRECT2

Variable name: Math_correct2
Description: Total correct responses for Math Fluency, NP Exam 2

MATH_CORRECT3

Variable name: Math_correct3
Description: Total correct responses for Math Fluency, NP Exam 3

MATH_CORRECT4

Variable name: Math_correct4
Description: Total correct responses for Math Fluency, NP Exam 4

MATH_CORRECT5

Variable name: Math_correct5
Description: Total correct responses for Math Fluency, NP Exam 5

MATH_INCORRECT_ADD1

Variable name: Math_incorrect_add1
Description: Incorrect responses for addition problems, NP Exam 1

MATH_INCORRECT_ADD2

Variable name: Math_incorrect_add2
Description: Incorrect responses for addition problems, NP Exam 2

MATH_INCORRECT_ADD3

Neuropsychological assessment

Variable name: Math_incorrect_add3
Description: Incorrect responses for addition problems, NP Exam 3

MATH_INCORRECT_ADD4

Variable name: Math_incorrect_add4
Description: Incorrect responses for addition problems, NP Exam 4

MATH_INCORRECT_ADD5

Variable name: Math_incorrect_add5
Description: Incorrect responses for addition problems, NP Exam 5

MATH_INCORRECT_SUB1

Variable name: Math_incorrect_sub1
Description: Incorrect responses for subtraction problems, NP Exam 1

MATH_INCORRECT_SUB2

Variable name: Math_incorrect_sub2
Description: Incorrect responses for subtraction problems, NP Exam 2

MATH_INCORRECT_SUB3

Variable name: Math_incorrect_sub3
Description: Incorrect responses for subtraction problems, NP Exam 3

MATH_INCORRECT_SUB4

Variable name: Math_incorrect_sub4
Description: Incorrect responses for subtraction problems, NP Exam 4

MATH_INCORRECT_SUB5

Variable name: Math_incorrect_sub5
Description: Incorrect responses for subtraction problems, NP Exam 5

MATH_INCORRECT_MUL1

Variable name: Math_incorrect_mul1
Description: Incorrect responses for multiplication problems, NP Exam 1

MATH_INCORRECT_MUL2

Neuropsychological assessment

Variable name: Math_incorrect_mul2
Description: Incorrect responses for multiplication problems, NP Exam 2

MATH_INCORRECT_MUL3

Variable name: Math_incorrect_mul3
Description: Incorrect responses for multiplication problems, NP Exam 3

MATH_INCORRECT_MUL4

Variable name: Math_incorrect_mul4
Description: Incorrect responses for multiplication problems, NP Exam 4

MATH_INCORRECT_MUL5

Variable name: Math_incorrect_mul5
Description: Incorrect responses for multiplication problems, NP Exam 5

RIGHT_OPEN1

Variable name: right_open1
Description: Seconds from balance test on right leg with eyes open (maximum time is set at 30 seconds), NP Exam 1

RIGHT_OPEN2

Variable name: right_open2
Description: Seconds from balance test on right leg with eyes open (maximum time is set at 30 seconds), NP Exam 2

RIGHT_OPEN3

Variable name: right_open3
Description: Seconds from balance test on right leg with eyes open (maximum time is set at 30 seconds), NP Exam 3

RIGHT_OPEN4

Variable name: right_open4
Description: Seconds from balance test on right leg with eyes open (maximum time is set at 30 seconds), NP Exam 4

RIGHT_OPEN5

Neuropsychological assessment

Variable name: right_open5
Description: Seconds from balance test on right leg with eyes open (maximum time is set at 30 seconds), NP Exam 5

LEFT_OPEN1

Variable name: left_open1
Description: Seconds from balance test on left leg with eyes open (maximum time is set at 30 seconds), NP Exam 1

LEFT_OPEN2

Variable name: left_open2
Description: Seconds from balance test on left leg with eyes open (maximum time is set at 30 seconds), NP Exam 2

LEFT_OPEN3

Variable name: left_open3
Description: Seconds from balance test on left leg with eyes open (maximum time is set at 30 seconds), NP Exam 3

LEFT_OPEN4

Variable name: left_open4
Description: Seconds from balance test on left leg with eyes open (maximum time is set at 30 seconds), NP Exam 4

LEFT_OPEN5

Variable name: left_open5
Description: Seconds from balance test on left leg with eyes open (maximum time is set at 30 seconds), NP Exam 5

RIGHT_CLOSE1

Variable name: right_close1
Description: Seconds from balance test on right leg with eyes closed (maximum time is set at 30 seconds), NP Exam 1

RIGHT_CLOSE2

Variable name: right_close2

Neuropsychological assessment

Description: Seconds from balance test on right leg with eyes closed (maximum time is set at 30 seconds), NP Exam 2

RIGHT_CLOSE3

Variable name: right_close3

Description: Seconds from balance test on right leg with eyes closed (maximum time is set at 30 seconds), NP Exam 3

RIGHT_CLOSE4

Variable name: right_close4

Description: Seconds from balance test on right leg with eyes closed (maximum time is set at 30 seconds), NP Exam 4

RIGHT_CLOSE5

Variable name: right_close5

Description: Seconds from balance test on right leg with eyes closed (maximum time is set at 30 seconds), NP Exam 5

LEFT_CLOSE1

Variable name: left_close1

Description: Seconds from balance test on left leg with eyes closed (maximum time is set at 30 seconds), NP Exam 1

LEFT_CLOSE2

Variable name: left_close2

Description: Seconds from balance test on left leg with eyes closed (maximum time is set at 30 seconds), NP Exam 2

LEFT_CLOSE3

Variable name: left_close3

Description: Seconds from balance test on left leg with eyes closed (maximum time is set at 30 seconds), NP Exam 3

LEFT_CLOSE4

Variable name: left_close4

Description: Seconds from balance test on left leg with eyes closed (maximum time is set at 30 seconds), NP Exam 4

LEFT_CLOSE5

Variable name: left_close5

Description: Seconds from balance test on left leg with eyes closed (maximum time is set at 30 seconds), NP Exam 5

Dementia outcomes and related variables

REVIEW_DATE

Variable name: review_date
Description: Date of dementia consensual review

NORMAL_DATE

Variable name: normal_date
Description: Last date documented to be cognitively intact

Note: In event that the day and/or month of onset are uncertain, the day is default to 15 and the month is default to 6. The year of onset is always certain for all non-missing values.

IMPAIRMENT_DATE

Variable name: impairment_date
Description: Date of cognitive impairment onset

Note: In event that the day and/or month of onset are uncertain, the day is default to 15 and the month is default to 6. The year of onset is always certain for all non-missing values.

MILD_DATE

Variable name: mild_date
Description: Date of diagnosis of mild dementia

Note: In event that the day and/or month of onset are uncertain, the day is default to 15 and the month is default to 6. The year of onset is always certain for all non-missing values.

MODERATE_DATE

Variable name: moderate_date
Description: Date of diagnosis of moderate dementia

Note: In event that the day and/or month of onset are uncertain, the day is default to 15 and the month is default to 6. The year of onset is always certain for all non-missing values.

SEVERE_DATE

Variable name: severe_date
Description: Date of diagnosis of severe dementia

Dementia outcomes and related variables

Note: In event that the day and/or month of onset are uncertain, the day is default to 15 and the month is default to 6. The year of onset is always certain for all non-missing values.

EDDD

Variable name: eddd

Description: Earliest documented date of Dementia

Note: This date variable is an estimated onset date for dementia using the earliest dates of various supporting resources and/or derived from earliest documented date variables of “mild_date”, “moderate_date” and “severe_dates”. In certain situations, the “EDDD” may precede those derived using “mild_date”, “moderate_date” and “severe_dates”.

DEMRV046

Variable name: demrv046

Description: Probable Dementia present

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---------|
| 0 | No |
| 1 | Yes |
| . | Unknown |

Note: This variable refers to all-cause dementia.

DEMRV103

Variable name: demrv103

Description: Dementia subtype

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|---|
| 0 | None |
| 1 | Alzheimer's disease without stroke |
| 2 | Alzheimer's disease with stroke |
| 3 | Vascular dementia without Alzheimer's disease |
| 4 | Mixed dementia type (Alzheimer's disease + vascular dementia) |
| 5 | Frontotemporal dementia |
| 6 | Dementia with Lewy bodies |

Dementia outcomes and related variables

| | |
|----|---|
| 7 | Dementia that does not fit any other Category (progressive) |
| 8 | Dementia that does not fit any other category (non-progressive) |
| 9 | Cognitive Impairment – No Dementia |
| 10 | Dementia – Uncertain |
| . | Unknown |

Note: Value “9” refers to Cognitive impairment without Dementia. These subjects are verified to have mild cognitive impairment (MCI). However, it is also possible that participants, who had not yet been screened by the dementia consensus panel, may also suffer from mild cognitive impairment. Hence, if the research outcome of interest is mild cognitive impairment, it is advisable to also consider the psychometric results of the study population as part of the outcome evaluation.

DEMRV104

Variable name: demrv104
Description: Severity of Dementia subtype

| Code or Value | Description |
|---------------|-------------|
| 0 | None |
| 1 | Mild |
| 2 | Moderate |
| 3 | Severe |
| . | Unknown |

Survival information

Death_date

Variable name: Death_date
Description: Date of death

Last_contacted_date

Variable name: Last_contacted_date
Description: Date of last contact (This is the last time the participant was known to be alive)

Note: This date is censored to be the last day of 2018 if the last contact date was after the last day of 2018. Date includes month, day and year, however coding manual displays only year to preserve confidentiality.

neuropath_avail

Variable name: neuropath_avail
Description: Availability of brain autopsy data

| Code or Value | Description |
|----------------------|--------------------|
|----------------------|--------------------|

| | |
|---|-----|
| 0 | No |
| 1 | Yes |

Dates and Derived Variables

This coding manual only includes the first five sets of date-related variables for each participant. The naming system is similar for these variables of the remaining neuropsychological assessments.

NP_CLOSEST_EXAM_DATE1

Variable name: np_closest_exam_date1
Description: FHS core exam date that was closest to the first NP test

NP_CLOSEST_EXAM_DATE2

Variable name: np_closest_exam_date2
Description: FHS core exam date that was closest to the second NP test

NP_CLOSEST_EXAM_DATE3

Variable name: np_closest_exam_date3
Description: FHS core exam date that was closest to the third NP test

NP_CLOSEST_EXAM_DATE4

Variable name: np_closest_exam_date4
Description: FHS core exam date that was closest to the 4th NP test

NP_CLOSEST_EXAM_DATE5

Variable name: np_closest_exam_date5
Description: FHS core exam date that was closest to the 5th NP test

NP_DAYS_APART1

Variable name: np_days_apart1
Description: The number of days between the FHS core exam date that was closest to the first NP test and the first NP test date.

Note: A negative value means that the FHS core exam that was closest to the NP test occurred prior to the NP test, while a positive value means that the closest FHS core exam occurred after the NP test.

NP_DAYS_APART2

Variable name: np_days_apart2

Dates and Derived Variables

Description: The number of days between the FHS core exam date that was closest to the second NP test and the second NP test date.

Note: A negative value means that the FHS core exam that was closest to the NP test occurred prior to the NP test, while a positive value means that the closest FHS core exam occurred after the NP test.

NP_DAYS_APART3

Variable name: np_days_apart3

Description: The number of days between the FHS core exam date that was closest to the third NP test and the third NP test date.

Note: A negative value means that the FHS core exam that was closest to the NP test occurred prior to the NP test, while a positive value means that the closest FHS core exam occurred after the NP test.

NP_DAYS_APART4

Variable name: np_days_apart4

Note: A negative value means that the FHS core exam that was closest to the NP test occurred prior to the NP test, while a positive value means that the closest FHS core exam occurred after the NP test.

NP_DAYS_APART5

Variable name: np_days_apart5

Description: The number of days between the FHS core exam date that was closest to the 5th NP test and the 5th NP test date.

Note: A negative value means that the FHS core exam that was closest to the NP test occurred prior to the NP test, while a positive value means that the closest FHS core exam occurred after the NP test.

NP_EXAM_CYCLE1

Variable name: np_exam_cycle1

Description: FHS core exam cycle that was closest to the first NP test

Code or Value

Description

| | |
|---|-------------|
| 1 | Core Exam 1 |
|---|-------------|

Dates and Derived Variables

| | |
|---|-------------|
| 2 | Core Exam 2 |
| 3 | Core Exam 3 |
| 4 | Core Exam 4 |
| 5 | Core Exam 5 |
| 6 | Core Exam 6 |
| 7 | Core Exam 7 |
| 8 | Core Exam 8 |
| 9 | Core Exam 9 |
| . | Unknown |

NP_EXAM_CYCLE2

Variable name: np_exam_cycle2

Description: FHS core exam cycle that was closest to the second NP test

Code or Value

Description

| | |
|---|-------------|
| 1 | Core Exam 1 |
| 2 | Core Exam 2 |
| 3 | Core Exam 3 |
| 4 | Core Exam 4 |
| 5 | Core Exam 5 |
| 6 | Core Exam 6 |
| 7 | Core Exam 7 |
| 8 | Core Exam 8 |
| 9 | Core Exam 9 |
| . | Unknown |

NP_EXAM_CYCLE3

Variable name: np_exam_cycle3

Description: FHS core exam cycle that was closest to the third NP test

Code or Value

Description

| | |
|---|-------------|
| 1 | Core Exam 1 |
| 2 | Core Exam 2 |
| 3 | Core Exam 3 |
| 4 | Core Exam 4 |

Dates and Derived Variables

| | |
|---|-------------|
| 5 | Core Exam 5 |
| 6 | Core Exam 6 |
| 7 | Core Exam 7 |
| 8 | Core Exam 8 |
| 9 | Core Exam 9 |
| . | Unknown |

NP_EXAM_CYCLE4

Variable name: np_exam_cycle4

Description: FHS core exam cycle that was closest to the 4th NP test

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|-------------|
| 1 | Core Exam 1 |
| 2 | Core Exam 2 |
| 3 | Core Exam 3 |
| 4 | Core Exam 4 |
| 5 | Core Exam 5 |
| 6 | Core Exam 6 |
| 7 | Core Exam 7 |
| 8 | Core Exam 8 |
| 9 | Core Exam 9 |
| . | Unknown |

NP_EXAM_CYCLE5

Variable name: np_exam_cycle5

Description: FHS core exam cycle that was closest to the 5th NP test

| Code or Value | Description |
|---------------|-------------|
|---------------|-------------|

| | |
|---|-------------|
| 1 | Core Exam 1 |
| 2 | Core Exam 2 |
| 3 | Core Exam 3 |
| 4 | Core Exam 4 |
| 5 | Core Exam 5 |
| 6 | Core Exam 6 |

Dates and Derived Variables

| | |
|---|-------------|
| 7 | Core Exam 7 |
| 8 | Core Exam 8 |
| 9 | Core Exam 9 |
| . | Unknown |

Appendix

| Exam Dates and Age Ranges as of 09/14/2016 | | | | |
|--|-----------------|-----------|----------|-----------|
| Original Cohort | | | | |
| Exam | Exam Date Range | Age Range | Mean Age | Attendees |
| Exam 1 | 1948 - 1953 | 28 - 74 | 44 | 5209 |
| Exam 2 | 1950 - 1955 | 31 - 65 | 46 | 4792 |
| Exam 3 | 1952 - 1956 | 32 - 67 | 48 | 4416 |
| Exam 4 | 1954 - 1958 | 34 - 69 | 50 | 4541 |
| Exam 5 | 1956 - 1960 | 37 - 70 | 52 | 4421 |
| Exam 6 | 1958 - 1963 | 38 - 72 | 54 | 4259 |
| Exam 7 | 1960 - 1964 | 40 - 74 | 55 | 4191 |
| Exam 8 | 1962 - 1966 | 42 - 76 | 57 | 4030 |
| Exam 9 | 1964 - 1968 | 44 - 78 | 59 | 3833 |
| Exam 10 | 1966 - 1970 | 46 - 80 | 61 | 3595 |
| Exam 11 | 1968 - 1971 | 49 - 81 | 62 | 2955 |
| Exam 12 | 1971 - 1974 | 50 - 83 | 64 | 3261 |
| Exam 13 | 1972 - 1976 | 53 - 85 | 66 | 3133 |
| Exam 14 | 1975 - 1978 | 55 - 88 | 68 | 2871 |
| Exam 15 | 1977 - 1979 | 57 - 89 | 69 | 2632 |
| Exam 16 | 1979 - 1982 | 59 - 91 | 70 | 2351 |
| Exam 17 | 1981 - 1984 | 61 - 93 | 72 | 2179 |
| Exam 18 | 1983 - 1985 | 63 - 94 | 74 | 1825 |
| Exam 19 | 1985 - 1988 | 65 - 96 | 75 | 1541 |
| Exam 20 | 1986 - 1990 | 67 - 97 | 77 | 1401 |
| Exam 21 | 1988 - 1992 | 69 - 99 | 79 | 1319 |
| Exam 22 | 1990 - 1994 | 72 - 101 | 80 | 1166 |
| Exam 23 | 1992 - 1996 | 73 - 101 | 81 | 1026 |
| Exam 24 | 1995 - 1998 | 76 - 103 | 83 | 831 |
| Exam 25 | 1997 - 1999 | 78 - 104 | 84 | 703 |
| Exam 26 | 1999 - 2001 | 79 - 103 | 86 | 558 |
| Exam 27 | 2002 - 2003 | 82 - 104 | 87 | 414 |
| Exam 28 | 2004 - 2005 | 84 - 104 | 89 | 303 |
| Exam 29 | 2006 - 2007 | 85 - 102 | 91 | 218 |
| Exam 30 | 2008 - 2010 | 88 - 102 | 92 | 141 |
| Exam 31 | 2010 - 2011 | 90 - 99 | 92 | 91 |
| Exam 32 | 2012 - 2014 | 93 - 106 | 96 | 40 |
| Offspring Cohort | | | | |
| Exam | Exam Date Range | Age Range | Mean Age | Attendees |
| Exam 1 | 1971 - 1975 | 5 - 70 | 36 | 5124 |
| Exam 2 | 1979 - 1983 | 17 - 77 | 44 | 3863 |
| Exam 3 | 1983 - 1987 | 18 - 77 | 48 | 3873 |
| Exam 4 | 1987 - 1991 | 22 - 81 | 52 | 4019 |
| Exam 5 | 1991 - 1995 | 26 - 84 | 55 | 3799 |
| Exam 6 | 1995 - 1998 | 29 - 86 | 59 | 3532 |
| Exam 7 | 1998 - 2001 | 33 - 90 | 62 | 3539 |
| Exam 8 | 2005 - 2008 | 40 - 93 | 67 | 3021 |
| Exam 9 | 2011 - 2014 | 46 - 98 | 71 | 2430 |
| Generation 3 Cohort | | | | |
| Exam | Exam Date Range | Age Range | Mean Age | Attendees |
| Exam 1 | 2002 - 2005 | 19 - 72 | 40 | 4095 |
| Exam 2 | 2008 - 2011 | 24 - 78 | 47 | 3411 |
| Exam 3 | 2016 - 2019 | | | |
| New Offspring Spouse Cohort | | | | |
| Exam | Exam Date Range | Age Range | Mean Age | Attendees |
| Exam 1 | 2003 - 2005 | 47 - 85 | 65 | 103 |
| Exam 2 | 2008 - 2011 | 53 - 90 | 70 | 68 |
| Exam 3 | 2016 - 2019 | | | |
| Omni 1 Cohort | | | | |
| Exam | Exam Date Range | Age Range | Mean Age | Attendees |
| Exam 1 | 1994 - 1998 | 27 - 78 | 52 | 506 |
| Exam 2 | 1999 - 2001 | 33 - 83 | 55 | 405 |
| Exam 3 | 2007 - 2008 | 39 - 89 | 62 | 298 |
| Exam 4 | 2011 - 2014 | 44 - 88 | 66 | 301 |
| Omni 2 Cohort | | | | |
| Exam | Exam Date Range | Age Range | Mean Age | Attendees |
| Exam 1 | 2003 - 2005 | 20 - 80 | 43 | 410 |
| Exam 2 | 2009 - 2011 | 25 - 85 | 48 | 321 |
| Exam 3 | 2016 - 2019 | | | |

Revisions

| Revisions | |
|------------------|--|
| August 2020 | Original Draft <ul style="list-style-type: none">• Coding Manual of Curated Gen 2/Omni 1 (NP) dataset• Dataset: curated_cohort17.sas7bdat |
| Feb 2021 | Revision of August 2020 draft <ul style="list-style-type: none">• Typo/grammatical/format corrections• Added more information to the introduction• Added variables “idtype”, “id” and “sex”• Dataset has been renamed as “curated_cohort17_022021”• Available in both SAS and csv files |
| Sept 2021 | Revision of Feb 2021 draft <ul style="list-style-type: none">• Typo/grammatical/format corrections• Added race variable• Updated dementia review data, neuropsychological summary scores and date-related variables up to year 2019• Dataset has been renamed as “curated17_09_16_2021”• Available in both SAS and csv files |
| Nov 2021 | Revision of Sept 2021 draft <ul style="list-style-type: none">• Typo/grammatical/format corrections |