

## 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 6<sup>th</sup> 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 5<sup>th</sup> 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)

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## 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 <sup>th</sup> 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

**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
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#### 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

**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

<b>Fasting blood test were only available from core exam 3 onwards</b>
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### **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

#### HRX\_CORE2

Variable name: HRX\_core2

**Description:** Treated for hypertension at Exam 2

Code or Value	Description
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

#### HRX\_CORE4

Variable name: HRX\_core4

**Description:** Treated for hypertension at Exam 4

Code or Value	Description
0	No
1	Yes

Treated for Hypertension, Lipids, and Diabetes

.	Unknown
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#### 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
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#### 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
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#### 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 and liver function tests

### 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

#### 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

### AST\_CORE9

**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

#### 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
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#### 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.

#### 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
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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

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

**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
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### 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  $\beta$ 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  $\beta$ 40, Exam 7

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

### AMYLOID42\_CORE7

**Variable name:** Amyloid42\_core7  
**Description:** Amyloid  $\beta$ 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

**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
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**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



#### 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

.	Unknown
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**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

## 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)

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)

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

### EMPLOYMENT5

**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

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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



### 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

**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

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

**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)

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

#### 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

#### 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

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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



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

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

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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

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)

#### LMI5

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

#### LMD1

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**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

**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)

#### 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

**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)



#### 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)

#### 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

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**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)

#### 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

**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

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**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)

#### 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)



#### 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

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**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)

### 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

**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

**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)

#### **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**

**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\_PHONEMIC5**

**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

**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)



#### **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\_PHONEMIC5**

**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

#### **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**

**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

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**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

**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)

**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

**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

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\_PAIED1**

**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\_PAIED2**

**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\_PAIED3**

**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\_PAIED4**

**Variable name:** Incidental\_paired4

**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\_PAIRE5

**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\_FREE5

**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**

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**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**

**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**

**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

**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



#### 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

**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

### 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

**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 4<sup>th</sup> NP test

#### **NP\_CLOSEST\_EXAM\_DATE5**

**Variable name:** np\_closest\_exam\_date5  
**Description:** FHS core exam date that was closest to the 5<sup>th</sup> 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 5<sup>th</sup> NP test and the 5<sup>th</sup> 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 4<sup>th</sup> 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 5<sup>th</sup> 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"> <li>• Coding Manual of Curated Gen 2/Omni 1 (NP) dataset</li> <li>• Dataset: curated_cohort17.sas7bdat</li> </ul>
Feb 2021	Revision of August 2020 draft <ul style="list-style-type: none"> <li>• Typo/grammatical/format corrections</li> <li>• Added more information to the introduction</li> <li>• Added variables “idtype”, “id” and “sex”</li> <li>• Dataset has been renamed as “curated_cohort17_022021”</li> <li>• Available in both SAS and csv files</li> </ul>
Sept 2021	Revision of Feb 2021 draft <ul style="list-style-type: none"> <li>• Typo/grammatical/format corrections</li> <li>• Added race variable</li> <li>• Updated dementia review data, neuropsychological summary scores and date-related variables up to year 2019</li> <li>• Dataset has been renamed as “curated17_09_16_2021”</li> <li>• Available in both SAS and csv files</li> </ul>
Nov 2021	Revision of Sept 2021 draft <ul style="list-style-type: none"> <li>• Typo/grammatical/format corrections</li> </ul>