# Coding Manual of Curated Gen 3/NOS/Omni 2 (NP) dataset

Note:

1. This curated dataset contains information of Gen III, NOS, and Omni 2 participants
2. There are 4608 unique FHS participants 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. For protocol descriptions and annotated forms of the primary datasets, refer to the respective documents of the individual source datasets.
6. Refer to Appendix for FHS core exam timeline (all cohorts)

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## IDTYPE

**Variable name:** idtype
**Description:** Framingham Heart Study cohort identifier

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

| Code or Value | Description | Counts |
|---|---|---|
| 2 | NOS | 103 |
| 3 | Gen III | 4095 |
| 72 | Omni 2 | 410 |

## 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 |
|---|---|
| 1 – 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 |
|---|---|
| 20000 – 29999 | NOS |
| 30000 – 39999 | Gen III |
| 720000 – 729999 | Omni 2 |

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

## 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*

## SEX

**Variable name:** sex
**Description:** Gender

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

## AGE_CORE1

**Variable name:** Age_core1
**Description:** Age at core exam 1

## AGE_CORE2

**Variable name:** Age_core2
**Description:** Age at core exam 2

## AGE_CORE3

**Variable name:** Age_core3
**Description:** Age at core exam 3

## HEIGHT_CORE1

**Variable name:** Height_core1
**Description:** Height at Core Exam 1 (inches, to next lower 1/4 inch)

## HEIGHT_CORE2

**Variable name:** Height_core2
**Description:** Height at Core Exam 2 (inches, to next lower 1/4 inch)

## HEIGHT_CORE3

**Variable name:** Height_core3
**Description:** Height at Core Exam 3 (inches, to next lower 1/4 inch)

## WEIGHT_CORE1

**Variable name:** Weight_core1
**Description:** Weight at Core Exam 1 (pounds)

## WEIGHT_CORE2

**Variable name:** Weight_core2
**Description:** Weight at Core Exam 2 (pounds)

## WEIGHT_CORE3

**Variable name:** Weight_core3
**Description:** Weight at Core Exam 3 (pounds)

## BMI_CORE1

**Variable name:** BMI_core1
**Description:** Body Mass Index at Core Exam 1 ($kg/m^2$)

## BMI_CORE2

**Variable name:** BMI_core2
**Description:** Body Mass Index at Core Exam 2 ($kg/m^2$)

## BMI_CORE3

**Variable name:** BMI_core2
**Description:** Body Mass Index at Core Exam 3 ($kg/m^2$)

## WAIST_CORE1

**Variable name:** Waist_core1
**Description:** Waist Girth at Core Exam 1 (inches, to next lower 1/4 inch)

## WAIST_CORE2

**Variable name:** Waist_core2
**Description:** Waist Girth at Core Exam 2 (inches, to next lower 1/4 inch)

## WAIST_CORE3

**Variable name:** Waist_core3
**Description:** Waist Girth at Core Exam 3 (inches, to next lower 1/4 inch)

## HIP_CORE2

**Variable name:** Hip_core2
**Description:** Hip girth at Core Exam 2 (inches, to next lower 1/4 inch, no measurement for Core Exam 1)

## HIP_CORE3

**Variable name:** Hip_core3
**Description:** Hip girth at Core Exam 3 (inches, to next lower 1/4 inch, no measurement for Core Exam 1)

## SBP_CORE1

**Variable name:** SBP_core1
**Description:** Average systolic blood pressure, Exam 1 (mmHg)

## SBP_CORE2

**Variable name:** SBP_core2
**Description:** Average systolic blood pressure, Exam 2 (mmHg)

## SBP_CORE3

**Variable name:** SBP_core3
**Description:** Average systolic blood pressure, Exam 3 (mmHg)

## DBP_CORE1

**Variable name:** DBP_core1
**Description:** Average diastolic blood pressure, Exam 1 (mmHg)

## DBP_CORE2

**Variable name:** DBP_core2
**Description:** Average diastolic blood pressure, Exam 2 (mmHg)

## DBP_CORE3

**Variable name:** DBP_core3
**Description:** Average diastolic blood pressure, Exam 3 (mmHg)

## HRX_CORE1

**Variable name:** HRX_Core1
**Description:** Treated for hypertension, Exam 1

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

## HRX_CORE2

**Variable name:** HRX_core2
**Description:** Treated for hypertension, Exam 2

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

## HRX_CORE3

**Variable name:** HRX_core3
**Description:** Treated for hypertension, Exam 3

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

## VENT_RT_CORE1

**Variable name:** Vent_rt_core1
**Description:** Ventricular rate per minute by ECG, Exam 1

## VENT_RT_CORE2

**Variable name:** Vent_rt_core2
**Description:** Ventricular rate per minute by ECG, Exam 2

## VENT_RT_CORE3

**Variable name:** Vent_rt_core3
**Description:** Ventricular rate per minute by ECG, Exam 3

## DLVH_CORE1

**Variable name:** DLVH_core1
**Description:** Definite left ventricular hypertrophy, Exam 1

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

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

## DLVH_CORE2

**Variable name:** DLVH_CORE2
**Description:** Definite left ventricular hypertrophy, Exam 2

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

## SMOKING_CORE1

**Variable name:** Smoking_core1
**Description:** Current smoking status, Exam 1

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

## SMOKING_CORE2

**Variable name:** Smoking_core2
**Description:** Current smoking status, Exam 2

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

## SMOKING_CORE3

**Variable name:** Smoking_core3
**Description:** Current smoking status, Exam 3

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

## CPD_CORE1

**Variable name:** CPD_core1
**Description:** Number of cigarettes smoked per day, Exam 1

## CPD_CORE2

**Variable name:** CPD_core2
**Description:** Number of cigarettes smoked per day, Exam 2

## CPD_CORE3

**Variable name:** CPD_core3
**Description:** Number of cigarettes smoked per day, Exam 3

## BG_CORE1

**Variable name:** BG_CORE1
**Description:** Blood glucose (includes fasting and non-fasting), Exam 1 (mg/dL)

## BG_CORE2

**Variable name:** BG_core2
**Description:** Blood glucose (includes fasting and non-fasting), Exam 2 (mg/dL)

## FASTING_BG_CORE1

**Variable name:** Fasting_BG_core1
**Description:** Fasting (≥ 8 hours) blood glucose, Exam 1 (mg/dL)

## FASTING_BG_CORE2

**Variable name:** Fasting_BG_Core2
**Description:** Fasting (≥ 8 hours) blood glucose, Exam2 (mg/dL)

## DMRX_CORE1

**Variable name:** DMRX_core1
**Description:** Treated for diabetes, Exam 1

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

## DMRX_CORE2

**Variable name:** DMRX_CORE2
**Description:** Treated for diabetes, Exam 2

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

## DMRX_CORE3

**Variable name:** DMRX_CORE3
**Description:** Treated for diabetes, Exam 3

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

## TC_CORE1

**Variable name:** TC_core1
**Description:** Total cholesterol, Exam 1 (mg/dL)

## TC_CORE2

**Variable name:** TC_core2
**Description:** Total cholesterol, Exam 2 (mg/dL)

## TRIGLYCERIDES_CORE1

**Variable name:** Triglycerides_core1
**Description:** Triglycerides, Exam 1 (mg/dL)

## TRIGLYCERIDES_CORE2

**Variable name:** Triglycerides_core2
**Description:** Triglycerides, Exam 2 (mg/dL)

## CALC_LDL_CORE1

**Variable name:** Calc_LDL_core1
**Description:** Calculated LDL cholesterol, Exam 1 (mg/dL)

## CALC_LDL_CORE2

**Variable name:** Calc_LDL_core2
**Description:** Calculated LDL cholesterol, Exam 2 (mg/dL)

## HDL_CORE1

**Variable name:** HDL_core1
**Description:** HDL cholesterol, Exam 1 (mg/dL)

## HDL_CORE2

**Variable name:** HDL_core2
**Description:** HDL cholesterol, Exam 2 (mg/dL)

## LIPRX_CORE1

**Variable name:** LIPRX_core1

**Description:** Treated for lipids, Exam 1

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

## LIPRX_CORE2

**Variable name:** LIPRX_core2
**Description:** Treated for lipids, Exam 2

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

## LIPRX_CORE3

**Variable name:** LIPRX_core3
**Description:** Treated for lipids, Exam 3

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

## CREATININE_CORE1

**Variable name:** Creatinine_core1
**Description:** Creatinine, Exam 1 (mg/dL)

## CREATININE_CORE2

**Variable name:** Creatinine_core2
**Description:** Creatinine, Exam 2 (mg/dL)

## BETA_AMYLOID_40_EXAM2

**Variable name:** Beta_Amyloid_40_Exam2
**Description:** Beta Amyloid 40, Exam 2
**Units:** pg/mL

## BETA_AMYLOID_42_EXAM2

**Variable name:** Beta_Amyloid_42_Exam2
**Description:** Beta Amyloid 42, Exam 2
**Units:** pg/mL

## BETA_AMYLOID_42_I_EXAM2

**Variable name:** Beta_Amyloid_42_I_Exam2
**Description:** Measurable range indicator for Beta Amyloid 42, Exam 2

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

## CRP_EXAM1

**Variable name:** CRP_Exam1
**Description:** C-reactive protein, Exam 1
**Units:** mg/L

## CRP_I_EXAM1

**Variable name:** CRP_I_Exam1
**Description:** Measurable range indicator for CRP, Exam 1
**Units:** mg/L

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

**Note:** This variable is missing for all Gen 3 participants.

## ADIPONECTIN_EXAM1

**Variable name:** Adiponectin_Exam1
**Description:** Adiponectin, Exam 1
**Units:** ng/mL

## ADIPONECTIN_FLAG_EXAM1

**Variable name:** Adiponectin_flag_Exam1
**Description:** Data Type Indicator for Adiponectin, Exam 1

| Code or Value | Description |
|---|---|
| 1 | FHS samples that can be used for analysis, done in singleton |
| 2 | FHS samples that can be used for analysis, done in duplicate |

## LEPTIN_EXAM1

**Variable name:** Leptin_Exam1
**Description:** Leptin, Exam 1
**Units:** pg/mL

## LEPTIN_FLAG_EXAM1

**Variable name:** Leptin_flag_Exam1
**Description:** Data Type Indicator for Leptin, Exam 1

| Code or Value | Description |
|---|---|
| 1 | FHS samples that can be used for analysis, done in singleton |
| 2 | FHS samples that can be used for analysis, done in duplicate |

## LEPTIN_RECEPTOR_EXAM1

**Variable name:** Leptin_Receptor_Exam1
**Description:** Leptin Receptor, Exam 1
**Units:**ng/mL

## LEPTIN_RECEPTOR_FLAG_EXAM1

**Variable name:** Leptin_Receptor_flag_Exam1
**Description:** Data Type Indicator for Leptin Receptor, Exam 1

| Code or Value | Description |
|---|---|
| 1 | FHS samples that can be used for analysis, done in singleton |
| 2 | FHS samples that can be used for analysis, done in duplicate |

## TNFR_EXAM1

**Variable name:** TNFR_Exam1
**Description:** Tumor Necrosis Factor Receptor II (TNFR) concentration, Exam 1
**Units:** pg/ml

## TNFR_FLAG_EXAM1

**Variable name:** TNFR_Flag_Exam1
**Description:** Data Type Indicator for TNFR, Exam 1

| Code or Value | Description |
|---|---|
| 1 | FHS samples that can be used for analysis, done in singleton |
| 2 | FHS samples that can be used for analysis, done in duplicate |

## P_SELECTIN_EXAM1

**Variable name:** P_Selectin_Exam1
**Description:** P-selectin concentration, Exam 1
**Units:** ng/mL

## P_SELECTIN_FLAG_EXAM1

**Variable name:** P_Selectin_Flag_Exam1
**Description:** Data Type Indicator for P-Selectin, Exam 1

| Code or Value | Description |
|---|---|
| 1 | FHS samples that can be used for analysis, done in singleton |

| | |
|---|---|
| 2 | FHS samples that can be used for analysis, done in duplicate |

## OSTEOPROTEGERIN_EXAM1

**Variable name:** Osteoprotegerin_Exam1
**Description:** Osteoprotegerin concentration, Exam 1
**Unit:** pmol/L

## OSTEOPROTERIN_LOT_EXAM1

**Variable name:** Osteoprotegerin_Lot_Exam1
**Description:** Lot number of controls and standards from kit for Osteoprotegerin, Exam 1

| Code or Value | Description |
|---|---|
| 1 | Samples are from plates 1 through 24 |
| 2 | Samples are from plates 25 through 59 |

## OSTEOPROTERIN_FLAG_EXAM1

**Variable name:** Osteoprotegerin_Flag_Exam1
**Description:** Data Type Indicator for Osteoprotegerin, Exam 1

| Code or Value | Description |
|---|---|
| 1 | FHS samples that can be used for analysis, done in singleton |
| 2 | FHS samples that can be used for analysis, done in duplicate |

## IMMUNOGLOBULINE_EXAM1

**Variable name:** ImmunoglobulinE_Exam1
**Description:** Immunoglobulin E from plasma EDTA, Exam 1
**Unit:** kU/L

## FREE_THYROXINE_EXAM1

**Variable name:** Free_thyroxine_Exam1
**Description:** Free thyroxine, Exam 1
**Unit:** ng/dL

## TSH_EXAM1

**Variable name:** TSH_Exam1
**Description:** Thyroid-stimulating hormone (TSH), Exam 1
**Unit:** uIU/mL

## TSH_I_EXAM1

**Variable name:** TSH_I_Exam1
**Description:** Measurable range indicator for TSH, Exam 1

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

## PROLACTIN_EXAM1

**Variable name:** Prolactin_Exam1
**Description:** Prolactin, Exam 1
**Unit:** ng/mL

## CESD_CORE1_1

**Variable name:** CESD_core1_1
**Description:** I was bothered by things that usually don't bother me (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_2

**Variable name:** CESD_core1_2
**Description:** I did not feel like eating; my appetite was poor (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_3

**Variable name:** CESD_core1_3
**Description:** I felt that I could not shake off the blues, even with the help of family and friends (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_4

**Variable name:** CESD_core1_4
**Description:** I felt that I was just as good as other people (at exam1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_5

**Variable name:** CESD_core1_5
**Description:** I had trouble keeping my mind on what I was doing (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_6

**Variable name:** CESD_core1_6
**Description:** I felt depressed (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_7

**Variable name:** CESD_core1_7
**Description:** I felt that everything I did was an effort (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_8

**Variable name:** CESD_core1_8
**Description:** I felt hopeful about the future (at exam1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_9

**Variable name:** CESD_core1_9
**Description:** CESD: I thought my life had been a failure (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_10

**Variable name:** CESD_core1_10
**Description:** CESD: I felt fearful (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_11

**Variable name:** CESD_core1_11
**Description:** CESD: My sleep was restless (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_12

**Variable name:** CESD_core1_12
**Description:** CESD: I was happy (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_13

**Variable name:** CESD_core1_13
**Description:** CESD: I talked less than usual (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |

| | |
|---|---|
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_14

**Variable name:** CESD_core1_14
**Description:** CESD: I felt lonely (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_15

**Variable name:** CESD_core1_15
**Description:** CESD: People were unfriendly (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_core1_16

**Variable name:** CESD_core1_16
**Description:** CESD: I enjoyed life (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |

| | |
|---|---|
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_core1_17

**Variable name:** CESD_core1_17
**Description:** CESD: I had crying spells (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_18

**Variable name:** CESD_core1_18
**Description:** CESD: I felt sad (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_19

**Variable name:** CESD_core1_19
**Description:** CESD: I felt that people disliked me (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |

| | |
|---|---|
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE1_20

**Variable name:** CESD_core1_20
**Description:** CESD: I could not "get going" (at exam 1)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_1

**Variable name:** CESD_CORE2_1
**Description:** CESD: I was bothered by things that usually don't bother me (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_2

**Variable name:** CESD_core2_2
**Description:** CESD: I did not feel like eating; my appetite was poor (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_3

**Variable name:** CESD_core2_3
**Description:** CESD: I felt that I could not shake off the blues, even with the help of family and friends (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_4

**Variable name:** CESD_core2_4
**Description:** CESD: I felt that I was just as good as other people (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_5

**Variable name:** CESD_core2_5
**Description:** CESD: I had trouble keeping my mind on what I was doing (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_6

**Variable name:** CESD_core2_6
**Description:** CESD: I felt depressed (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_7

**Variable name:** CESD_core2_7

**Description:** CESD: I felt that everything I did was an effort (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_8

**Variable name:** CESD_core2_8
**Description:** CESD: I felt hopeful about the future (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_9

**Variable name:** CESD_core2_9
**Description:** CESD: I thought my life had been a failure (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_10

**Variable name:** CESD_core2_10
**Description:** CESD: I felt fearful (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_11

**Variable name:** CESD_core2_11
**Description:** CESD: My sleep was restless (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_12

**Variable name:** CESD_core2_12
**Description:** CESD: I was happy (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_13

**Variable name:** CESD_core2_13
**Description:** CESD: I talked less than usual (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |

| | |
|---|---|
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_14

**Variable name:** CESD_core2_14
**Description:** CESD: I felt lonely (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_15

**Variable name:** CESD_core2_15
**Description:** CESD: People were unfriendly (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_16

**Variable name:** CESD_core2_16
**Description:** CESD: I enjoyed life (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |

| | |
|---|---|
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_17

**Variable name:** CESD_core2_17
**Description:** CESD: I had crying spells (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_18

**Variable name:** CESD_core2_18
**Description:** CESD: I felt sad (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_19

**Variable name:** CESD_core2_19
**Description:** CESD: I felt that people disliked me (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |

| | |
|---|---|
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

## CESD_CORE2_20

**Variable name:** CESD_core2_20
**Description:** CESD: I could not "get going" (at exam 2)

| Code or Value | Description |
|---|---|
| 0 | Rarely or none of the time (less than 1 day) |
| 1 | Some or a little of the time (1-2 days) |
| 2 | Occasionally or moderate amount of the time (3-4 days) |
| 3 | Most or all of the time (5-7 days) |
| . | Unknown |

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

## AGE1

**Variable name:** age1
**Description:** Age of participant at first 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 |

## MARITAL1

**Variable name:** marital1
**Description:** Current marital status for first NP exam

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

## HANDEDNESS1

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

| Code or Value | Description |
|---|---|
| 1 | Right |

| | |
|---|---|
| 2 | Left |
| 3 | Ambidextrous |
| . | Unknown/Missing |

## EMPLOYMENT1

**Variable name:** employment1
**Description:** Employment status, NP exam 1

| 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/Missing |

## EDUCATION_B11

**Variable name:** education_b11
**Description:** Highest Education Level Completed (Collected from "battery1"), 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 |

## EDUCATION_B21

**Variable name:** education_b21
**Description:** Highest Education Level Completed (Collected from "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 Master's degree) |
| 14 | Graduate School (Master's) |
| 15 | Graduate School (Doctorate) |
| . | Unknown/Missing |

## 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/Missing |

## OCCUP_B11

**Variable name:** occup_b11
**Description:** Occupation from “battery 1”, 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/Missing |

## OCCUP_B21

**Variable name:** occup_b211
**Description:** Occupation from “battery 2”, 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/Missing |

**LMI1**

**Variable name:** lmi1
**Description:** Total number correct verbatim and paraphrases from "Logical Memories – Immediate Recall", NP Exam 1

**LMD1**

**Variable name:** lmd1
**Description:** Total number correct verbatim and paraphrases from "Logical Memories – Delayed Recall", NP Exam 1

**LMR1**

**Variable name:** lmr1
**Description:** Logical Memories – Recognition, NP Exam 1

**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

**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

**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

**VRI1**

**Variable name:** vri1
**Description:** Total points scored from "Visual Reproductions – Immediate Recall", NP Exam 1

**VRD1**

**Variable name:** vrd1
**Description:** Total points scored from “Visual Reproductions – Delayed Recall”, NP Exam 1

**VRR1**

**Variable name:** vrr1
**Description:** Total points scored from “Visual Reproductions – Recognition”, NP Exam 1

**PASI1**

**Variable name:** pasi1
**Description:** Total Score from “Paired Associate Learning – Immediate Recall”, NP Exam 1

**PASI_E1**

**Variable name:** pasi_e1
**Description:** Ease Score from “Paired Associate Learning – Immediate Recall”, NP Exam 1

**PASI_H1**

**Variable name:** pasi_h1
**Description:** Hard Score from “Paired Associate Learning – Immediate Recall”, NP Exam 1

**PASD1**

**Variable name:** pasd1
**Description:** Total Score from “Paired Associate Learning – Delayed Recall”, NP Exam 1

**PASD_E1**

**Variable name:** pasd_e1
**Description:** Ease Score from “Paired Associate Learning – Delayed Recall”, NP Exam 1

**PASD_H1**

**Variable name:** pasd_h1
**Description:** Hard Score from “Paired Associate Learning – Delayed Recall”, NP Exam 1

**PASR1**

**Variable name:** pasr1
**Description:** Total Score from “Paired Associate Learning - Recognition”, NP Exam 1

**DSF1**

**Variable name:** dsf1
**Description:** Highest string from “Digits Forward Span”, NP Exam 1

**DSB1**

**Variable name:** dsb1
**Description:** Highest string from “Digits Backward Span”, NP Exam 1

**TRAILSA1**

**Variable name:** trailsA1
**Description:** Time in minutes to finish “Trail A”, NP Exam 1 – capped at 7 minutes

**TRAILSB1**

**Variable name:** trailsB1
**Description:** Time in minutes to finish “Trail B”, NP Exam 1 – capped at 10 minutes

**SIM1**

**Variable name:** sim1
**Description:** Total raw score from “Similarities Test”, NP Exam 1

**HVOT1**

**Variable name:** hvot1
**Description:** Total score from “Hooper Visual Organization Test”, NP Exam 1

**BNT101**

**Variable name:** bnt101
**Description:** Correct score without cue from 10 items of “Boston Naming Test”, NP Exam 1

**BNT10_SEMANTIC1**

**Variable name:** bnt10_semantic1
**Description:** Correct score with semantic cue from 10 items of “Boston Naming Test”, NP Exam 1

**BNT10_PHONEMIC1**

**Variable name:** bnt10_phonemic1

**Description:** Correct score with phonemic cue from 10 items of “Boston Naming Test”, NP Exam 1

**BNT301**

**Variable name:** bnt301
**Description:** Correct score without cue from 30 items of “Boston Naming Test”, NP Exam 1

**BNT30_SEMANTIC1**

**Variable name:** bnt30_semantic1
**Description:** Correct score with semantic cue from 30 items of “Boston Naming Test”, NP Exam 1

**BNT30_PHONEMIC1**

**Variable name:** bnt30_semantic1
**Description:** Correct score with phonemic cue from 30 items of “Boston Naming Test”, NP Exam 1

**BNT361**

**Variable name:** bnt361
**Description:** Correct score without cue from 36 items of “Boston Naming Test”, NP Exam 1

**BNT36_SEMANTIC1**

**Variable name:** bnt36_semantic1
**Description:** Correct score with semantic cue from 36 items of “Boston Naming Test”, NP Exam 1

**BNT36_PHONEMIC1**

**Variable name:** bnt36_phonemic1
**Description:** Correct score with phonemic cue from 36 items of “Boston Naming Test”, NP Exam 1

**FINGTAPR1**

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

**FINGTAPL1**

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

## WRAT1

**Variable name:** WRAT1
**Description:** Raw Score from “Wide Range Achievement Test –Reading”, NP Exam 1

## FAS1

**Variable name:** fas1
**Description:** Total words (not including the animal part) from the Controlled Oral Word Association Test, NP Exam 1

## FAS_ANIMAL1

**Variable name:** fas_animal1
**Description:** Total words from the animal part from the “Verbal Fluency Test”, NP Exam 1
**Note:** This variable only available on “battery 2”

## BD1

**Variable name:** bd1
**Description:** Total Score from “Block Design”, NP Exam 1

## WAIS1

**Variable name:** wais1
**Description:** Total correct answers from “WAIS test”, NP Exam 1

## MRI3521

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

| Code | 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/Missing |

## CODING_CORRECT1

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

## CODING_INCORRECT1

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

## INCIDENTAL_PAIRED1

**Variable name:** incidental_paired1
**Description:** Total correct from Paired Incidental Learning (Given the number from Coding, the participant had to draw the appropriate symbol associated with that number; each number is presented twice), NP Exam 1

## INCIDENTAL_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

**MATH_CORRECT1**

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

**MATH_INCORRECT_ADD1**

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

**MATH_INCORRECT_SUB1**

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

**MATH_INCORRECT_MUL1**

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

**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

**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

**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

**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

## TEST_LANGUAGE1

**Variable name:** test_language1
**Description:** Language used during NP exam 1

| Code | Description |
|---|---|
| 1 | English |
| 2 | Spanish |
| . | Unknown/Missing |

## LM_STORY1

**Variable name:** LM_story1
**Description:** Which logical memory story was administered? (at NP exam1)

| Code | Description |
|---|---|
| 1 | Anna Thompson ONLY |
| 2 | Joe Garcia ONLY |
| 3 | Anna Thompson AND Joe Garcia |
| . | Unknown/Missing |

## COMDWGTOTSTROKES

**Variable name:** COMDwgTotStrokes
**Description:** Total strokes or graphomotor pen marks used to complete clock drawing under the command condition

## COMDWGTOTTIME

**Variable name:** COMDwgTotTime
**Description:** Total time needed to complete the clock drawing under the command condition

## COMPREFIRSTHANDNONOISELATENCY

**Variable name:** COMPreFirstHandNoNoiseLatency
**Description:** Time between the end of the pen stroke for whatever was drawn before the first clock hand and the beginning of the pen stroke starting to draw that clock hand under the command condition

## COMPRESECONDHANDNONOISELATENCY

**Variable name:** COMPreSecondHandNoNoiseLatency
**Description:** Time between the end of the last stroke for whatever was drawn before the second clock hand and the beginning of the pen stroke used to draw that clock hand under the command condition

## COMTOTINKTIMECC

**Variable name:** COMTotInkTimeCC
**Description:** The total time the pen is in contact with the paper for the command condition.

Percent ink time was computed as (total ink time/ total time to completion) x 100, indicating the percent of total time to completion devoted to drawing.

**Note:** This variable provides a means to operational define motor execution, i.e., drawing, while taking into account individual differences in total drawing time.

## COPYDWGTOTSTROKES

**Variable name:** COPYDwgTotStrokes
**Description:** Total strokes or graphomotor pen marks used to complete clock drawing under the copy condition

## COPYDWGTOTTIME

**Variable name:** COPYDwgTotTime
**Description:** Total time needed to complete the clock drawing under the copy condition

## COPYPREFIRSTHANDNONOISELATENCY

**Variable name:** COPYPreFirstHandNoNoiseLatency
**Description:** Time between the end of the pen stroke for whatever was drawn before the first clock hand and the beginning of the pen stroke starting to draw that clock hand under the copy condition

## COPYPRESECONDHANDNONOISELATENCY

**Variable name:** COPYPreSecondHandNoNoiseLatency
**Description:** Time between the end of the last stroke for whatever was drawn before the second clock hand and the beginning of the pen stroke used to draw that clock hand under the copy condition

## COPYTOTINKTIMECC

**Variable name:** COPYTotInkTimeCC
**Description:** The total time the pen is in contact with the paper for the copy condition.

Percent ink time was computed as (total ink time/ total time to completion) x 100, indicating the percent of total time to completion devoted to drawing.

**Note:** This variable provides a means to operational define motor execution, i.e., drawing, while taking into account individual differences in total drawing time.

## COMCLOCKFACENONCLOCKFACENNL

**Variable name:** COMClockFaceNonClockFaceNNL
**Description:** Time between drawing of clock face and whatever is drawn next under the command condition

## COPYCLOCKFACENONCLOCKFACENNL

**Variable name:** COPYClockFaceNonClockFaceNNL
**Description:** Time between drawing of clock face and whatever is drawn next under the copy condition

## DCDT_DATE

**Variable name:** dCDT_Date
**Description:** Date of the “Digital clock drawing test” (MMDDYYYY)

**Note:** This date should match one of the NP exam dates

# First MRI Scan

## Overall Brain Volumetric Measurements

### MRI_DATE_MRI1

**Variable name:** mri_date_MRI1
**Description:** Date of Brain MRI Scan, MRI Scan 1 (MMDDYYYY)

### CEREBRUM_TCV_MRI1

**Variable name:** Cerebrum_tcv_MRI1
**Description:** Total Cerebrum Cranial Volume, MRI Scan 1
**Units:** Centimeters Cubed

### CEREBRUM_TCB_MRI1

**Variable name:** Cerebrum_tcb_MRI1
**Description:** Total Cerebrum Brain Volume, MRI Scan 1
**Units:** Centimeters Cubed

### CEREBRUM_GRAY_MRI1

**Variable name:** Cerebrum_gray_MRI1
**Description:** Total Cerebrum Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### CEREBRUM_WHITE_MRI1

**Variable name:** Cerebrum_white_MRI1
**Description:** Total Cerebrum White Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### CEREBRUM_TCC_MRI1

**Variable name:** Cerebrum_tcc_MRI1
**Description:** Total Cerebrum Cerebrospinal Fluid, MRI Scan 1
**Units:** Centimeters Cubed
**Note:** There is a typo error in the original coding manual “Fram3_T1_data_dictionary_061118”.

**LEFT_LATERALVENT_MRI1**

**Variable name:** Left_lateralvent_MRI1
**Description:** Segmented Left Lateral Ventricle Volume, MRI Scan 1
**Units:** Centimeters Cubed

**RIGHT_LATERALVENT_MRI1**

**Variable name:** Right_lateralvent_MRI1
**Description:** Segmented Right Lateral Ventricle Volume, MRI Scan 1
**Units:** Centimeters Cubed

**LATERALVENT_MRI1**

**Variable name:** Lateralvent_MRI1
**Description:** Segmented Total Lateral Ventricle Volume, MRI Scan 1
**Units:** Centimeters Cubed

**THIRDVENT_MRI1**

**Variable name:** Thirdvent_MRI1
**Description:** Segmented Total Third Ventricle Volume, MRI Scan 1
**Units:** Centimeters Cubed

**FRONTAL_CSF_MRI1**

**Variable name:** Frontal_csf_MRI1
**Description:** Segmented Frontal Lobe Cerebrospinal Fluid, MRI Scan 1
**Units:** Centimeters Cubed

**FRONTAL_CORTICAL_GRAY_MRI1**

**Variable name:** Frontal_Cortical_gray_MRI1
**Description:** Segmented Frontal Lobe Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**FRONTAL_WHITE_MRI1**

**Variable name:** Frontal_white_MRI1
**Description:** Segmented Frontal Lobe White Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**OCCIPITAL_CSF_MRI1**

**Variable name:** Occipital_csf_MRI1
**Description:** Segmented Occipital Lobe Cerebrospinal Fluid, MRI Scan 1
**Units:** Centimeters Cubed

**OCCIPTAL_CORTICAL_GRAY_MRI1**

**Variable name:** Occipital_Cortical_gray_MRI1
**Description:** Segmented Occipital Lobe Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**OCCIPTAL_WHITE_MRI1**

**Variable name:** Occipital_white_MRI1
**Description:** Segmented Occipital Lobe White Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**PARIETAL_CSF_MRI1**

**Variable name:** Parietal_csf_MRI1
**Description:** Segmented Parietal Lobe Cerebrospinal Fluid, MRI Scan 1
**Units:** Centimeters Cubed

**PARIETAL_CORTICAL_GRAY_MRI1**

**Variable name:** Parietal_Cortical_gray_MRI1
**Description:** Segmented Parietal Lobe Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**PARIETAL_WHITE_MRI1**

**Variable name:** Parietal_white_MRI1
**Description:** Segmented Parietal Lobe White Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**TEMPORAL_CSF_MRI1**

**Variable name:** Temporal_csf_MRI1
**Description:** Segmented Temporal Lobe Cerebrospinal Fluid, MRI Scan 1
**Units:** Centimeters Cubed

**TEMPORAL_CORTICAL_GRAY_MRI1**

**Variable name:** Temporal_Cortical_gray_MRI1

**Description:** Segmented Temporal Lobe Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**TEMPORAL_WHITE_MRI1**

**Variable name:** Temporal_white_MRI1
**Description:** Segmented Temporal Lobe White Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**LEFT_HIPPO_MRI1**

**Variable name:** Left_hippo_MRI1
**Description:** Segmented Left Hippocampi Volume, MRI Scan 1
**Units:** Centimeters Cubed

**RIGHT_HIPPO_MRI1**

**Variable name:** Right_hippo_MRI1
**Description:** Segmented Right Hippocampi Volume, MRI Scan 1
**Units:** Centimeters Cubed

**HIPPO_MRI1**

**Variable name:** Hippo_MRI1
**Description:** Segmented Total Hippocampi Volume, MRI Scan 1
**Units:** Centimeters Cubed

**TOTAL_CSF_MRI1**

**Variable name:** Total_csf_MRI1
**Description:** Total Brain Cerebrospinal Fluid, MRI Scan 1
**Units:** Centimeters Cubed

**TOTAL_GRAY_MRI1**

**Variable name:** Total_gray_MRI1
**Description:** Total Brain Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**TOTAL_WHITE_MRI1**

**Variable name:** Total_white_MRI1
**Description:** Total Brain White Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### TOTAL_BRAIN_MRI1

**Variable name:** Total_brain_MRI1
**Description:** Total Brain Volume, MRI Scan 1
**Units:** Centimeters Cubed

### COMMENT_FRAM3_MRI1

**Variable name:** Comment_Fram3_MRI1
**Description:** Analysis Status, MRI Scan 1

### WHITE_MATTER_HYPERINTENSITY_MRI1

**Variable name:** White_Matter_Hyperintensity_MRI1
**Description:** Total White Matter Hyperintensity Volume, MRI Scan 1
**Units:** Centimeters Cubed

## Mean Cortical Thickness Measurements

### L_CAUDAL_ANT_CINGULATE_CT_MRI1

**Variable name:** L_caudal_ant_cingulate_CT_MRI1
**Description:** Left Caudal Anterior Cingulate Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_CAUDAL_MIDDLE_FRONTAL_CT_MRI1

**Variable name:** L_caudal_middle_frontal_CT_MRI1
**Description:** Left Caudal Middle Frontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_CUNEUS_CT_MRI1

**Variable name:** L_cuneus_CT_MRI1
**Description:** Left Cuneus Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_ENTORHINAL_CT_MRI1

**Variable name:** L_entorhinal_CT_MRI1

**Description:** Left Entorhinal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_FUSIFORM_CT_MRI1

**Variable name:** L_fusiform_CT_MRI1
**Description:** Left Fusiform Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_INFERIOR_PARIETAL_CT_MRI1

**Variable name:** L_inferior_parietal_CT_MRI1
**Description:** Left Inferior Parietal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_INFERIOR_TEMPORAL_CT_MRI1

**Variable name:** L_inferior_temporal_CT_MRI1
**Description:** Left Inferior Temporal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_INSULA_CT_MRI1

**Variable name:** L_insula_CT_MRI1
**Description:** Left Insula Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_ISTHMUS_CINGULATE_CT_MRI1

**Variable name:** L_isthmus_cingulate_CT_MRI1
**Description:** Left Isthmus Cingulate Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_LATERAL_OCCIPITAL_CT_MRI1

**Variable name:** L__lateral_occipital_CT_MRI1
**Description:** Left Lateral Occipital Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_LATERAL_ORBITOFRONTAL_CT_MRI1

**Variable name:** L_lateral_orbitofrontal_CT_MRI1
**Description:** Left Lateral Orbitofrontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## L_LINGUAL_CT_MRI1

**Variable name:** L_lingual_CT_MRI1
**Description:** Left Lingual Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## L_MEDIAL_ORBITOFRONTAL_CT_MRI1

**Variable name:** L_medial_orbitofrontal_CT_MRI1
**Description:** Left Medial Orbitofrontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## L_MIDDLE_TEMPORAL_CT_MRI1

**Variable name:** L_middle_temporal_CT_MRI1
**Description:** Left Middle Temporal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## L_PARACENTRAL_CT_MRI1

**Variable name:** L_paracentral_CT_MRI1
**Description:** Left Paracentral Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## L_PARAHIPPOCAMPAL_CT_MRI1

**Variable name:** L_parahippocampal_CT_MRI1
**Description:** Left Parahippocampal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## L_PARS_OPERCULARIS_CT_MRI1

**Variable name:** L_pars_opercularis_CT_MRI1
**Description:** Left Pars Opercularis Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## L_PARS_ORBITALIS_CT_MRI1

**Variable name:** L_pars_orbitalis_CT_MRI1
**Description:** Left Pars Orbitalis Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## L_PARS_TRIANGULARIS_CT_MRI1

**Variable name:** L_pars_triangularis_CT_MRI1
**Description:** Left Pars Triangularis Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**L_PERICALCARINE_CT_MRI1**

**Variable name:** L_pericalcarine_CT_MRI1
**Description:** Left Pericalcarine Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**L_ POSTCENTRAL_CT_MRI1**

**Variable name:** L_postcentral_CT_MRI1
**Description:** Left Postcentral Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**L_POSTERIOR_CINGULATE_CT_MRI1**

**Variable name:** L_posterior_cingulate_CT_MRI1
**Description:** Left Posterior Cingulate Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**L_PRECENTRAL_CT_MRI1**

**Variable name:** L_precentral_CT_MRI1
**Description:** Left Precentral Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**L _PRECUNEUS_CT_MRI1**

**Variable name:** L_precuneus_CT_MRI1
**Description:** Left Precuneus Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**L_ROSTRAL_ANT_CINGULATE_CT_MRI1**

**Variable name:** L_rostral_ant_cingulate_CT_MRI1
**Description:** Left Rostral Anterior Cingulate Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**L_ROSTRAL_MIDDLE_FRONTAL_CT_MRI1**

**Variable name:** L_rostral_middle_frontal_CT_MRI1

**Description:** Left Rostral Middle Frontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_SUPERIOR_FRONTAL_CT_MRI1

**Variable name:** L_superior_frontal_CT_MRI1
**Description:** Left Superior Frontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_SUPERIOR_PARIETAL_CT_MRI1

**Variable name:** L_superior_parietal_CT_MRI1
**Description:** Left Superior Parietal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_SUPERIOR_TEMPORAL_CT_MRI1

**Variable name:** L_superior_temporal_CT_MRI1
**Description:** Left Superior Temporal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_SUPRAMARGINAL_CT_MRI1

**Variable name:** L_supramarginal_CT_MRI1
**Description:** Left Supramarginal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### L_TRANSVERSE_TEMPORAL_CT_MRI1

**Variable name:** L_transverse_temporal_CT_MRI1
**Description:** Left Transverse Temporal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_CAUDAL_ANT_CINGULATE_CT_MRI1

**Variable name:** R_caudal_ant_cingulate_CT_MRI1
**Description:** Right Caudal Anterior Cingulate Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_CAUDAL_MIDDLE_FRONTAL_CT_MRI1

**Variable name:** R_caudal_middle_frontal_CT_MRI1
**Description:** Right Caudal Middle Frontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_CUNEUS_CT_MRI1**

**Variable name:** R_cuneus_CT_MRI1
**Description:** Right Cuneus Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_ENTORHINAL_CT_MRI1**

**Variable name:** R_entorhinal_CT_MRI1
**Description:** Right Entorhinal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_FUSIFORM_CT_MRI1**

**Variable name:** R_fusiform_CT_MRI1
**Description:** Right Fusiform Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_INFERIOR_PARIETAL_CT_MRI1**

**Variable name:** R_inferior_parietal_CT_MRI1
**Description:** Right Inferior Parietal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_INFERIOR_TEMPORAL_CT_MRI1**

**Variable name:** R_inferior_temporal_CT_MRI1
**Description:** Right Inferior Temporal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_INSULA_CT_MRI1**

**Variable name:** R_insula_CT_MRI1
**Description:** Right Insula Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_ISTHMUS_CINGULATE_CT_MRI1**

**Variable name:** R_isthmus_cingulate_CT_MRI1
**Description:** Right Isthmus Cingulate Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_LATERAL_OCCIPTAL_CT_MRI1**

**Variable name:** R_lateral_occipital_CT_MRI1
**Description:** Right Lateral Occipital Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_LATERAL_ORBITOFRONTAL_CT_MRI1**

**Variable name:** R_lateral_orbitofrontal_CT_MRI1
**Description:** Right Lateral Orbitofrontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_LINGUAL_CT_MRI1**

**Variable name:** R_lingual_CT_MRI1
**Description:** Right Lingual Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_MEDIAL_ORBITOFRONTAL_CT_MRI1**

**Variable name:** R_medial_orbitofrontal_CT_MRI1
**Description:** Right Medial Orbitofrontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_MIDDLE_TEMPORAL_CT_MRI1**

**Variable name:** R_middle_temporal_CT_MRI1
**Description:** Right Middle Temporal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_PARACENTRAL_CT_MRI1**

**Variable name:** R_paracentral_CT_MRI1
**Description:** Right Paracentral Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_PARAHIPPOCAMPAL_CT_MRI1**

**Variable name:** R_parahippocampal_CT_MRI1
**Description:** Right Parahippocampal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_PARS_OPERCULARIS_CT_MRI1**

**Variable name:** R_pars_opercularis_CT_MRI1

**Description:** Right Pars Opercularis Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_PARS_ORBITALIS_CT_MRI1**

**Variable name:** R_pars_orbitalis_CT_MRI1
**Description:** Right Pars Orbitalis Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_PARS_TRIANGULARIS_CT_MRI1**

**Variable name:** R_pars_triangularis_CT_MRI1
**Description:** Right Pars Triangularis Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_PERICALCARINE_CT_MRI1**

**Variable name:** R_pericalcarine_CT_MRI1
**Description:** Right Pericalcarine Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_POSTCENTRAL_CT_MRI1**

**Variable name:** R_postcentral_CT_MRI1
**Description:** Right Postcentral Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_POSTERIOR_CINGULATE_CT_MRI1**

**Variable name:** R_posterior_cingulate_CT_MRI1
**Description:** Right Posterior Cingulate Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_PRECENTRAL_CT_MRI1**

**Variable name:** R_precentral_CT_MRI1
**Description:** Right Precentral Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

**R_PRECUNEUS_CT_MRI1**

**Variable name:** R_precuneus_CT_MRI1
**Description:** Right Precuneus Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_ROSTRAL_ANT_CINGULATE_CT_MRI1

**Variable name:** R_rostral_ant_cingulate_CT_MRI1
**Description:** Right Rostral Anterior Cingulate Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_ROSTRAL_MIDDLE_FRONTAL_CT_MRI1

**Variable name:** R_rostral_middle_frontal_CT_MRI1
**Description:** Right Rostral Middle Frontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_SUPERIOR_FRONTAL_CT_MRI1

**Variable name:** R_superior_frontal_CT_MRI1
**Description:** Right Superior Frontal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_SUPERIOR_PARIETAL_CT_MRI1

**Variable name:** R_superior_parietal_CT_MRI1
**Description:** Right Superior Parietal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_SUPERIOR_TEMPORAL_CT_MRI1

**Variable name:** R_superior_temporal_CT_MRI1
**Description:** Right Superior Temporal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_SUPRAMARGINAL_CT_MRI1

**Variable name:** R_supramarginal_CT_MRI1
**Description:** Right Supramarginal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

### R_TRANSVERSE_TEMPORAL_CT_MRI1

**Variable name:** R_transverse_temporal_CT_MRI1
**Description:** Right Transverse Temporal Mean Cortical Thickness, MRI Scan 1
**Units:** Millimeters

## Gray Matter Volume Measurements

### L_CAUDAL_ANT_CINGULATE_GM_MRI1

**Variable name:** L_caudal_ant_cingulate_GM_MRI1
**Description:** Left Caudal Anterior Cingulate Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### L_CAUDAL_MIDDLE_FRONTAL_GM_MRI1

**Variable name:** L_caudal_middle_frontal_GM_MRI1
**Description:** Left Caudal Middle Frontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### L_CUNEUS_GM_MRI1

**Variable name:** L_cuneus_GM_MRI1
**Description:** Left Cuneus Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### L_ENTORHINAL_GM_MRI1

**Variable name:** L_entorhinal_GM_MRI1
**Description:** Left Entorhinal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### L_FUSIFORM_GM_MRI1

**Variable name:** L_fusiform_GM_MRI1
**Description:** Left Fusiform Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### L_INFERIOR_PARIETAL_GM_MRI1

**Variable name:** L_inferior_parietal_GM_MRI1
**Description:** Left Inferior Parietal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### L_INFERIOR_TEMPORAL_GM_MRI1

**Variable name:** L_inferior_temporal_GM_MRI1
**Description:** Left Inferior Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_INSULA_GM_MRI1

**Variable name:** L_insula_GM_MRI1
**Description:** Left Insula Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_ISTHMUS_CINGULATE_GM_MRI1

**Variable name:** L_isthmus_cingulate_GM_MRI1
**Description:** Left Isthmus Cingulate Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_LATERAL_OCCIPITAL_GM_MRI1

**Variable name:** L_lateral_occipital_GM_MRI1
**Description:** Left Lateral Occipital Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_LATERAL_ORBITOFRONTAL_GM_MRI1

**Variable name:** L_lateral_orbitofrontal_GM_MRI1
**Description:** Left Lateral Orbitofrontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_LINGUAL_GM_MRI1

**Variable name:** L_lingual_GM_MRI1
**Description:** Left Lingual Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_MEDIAL_ORBITOFRONTAL_GM_MRI1

**Variable name:** L_medial_orbitofrontal_GM_MRI1
**Description:** Left Medial Orbitofrontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_MIDDLE_TEMPORAL_GM_MRI1

**Variable name:** L_middle_temporal_GM_MRI1
**Description:** Left Middle Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_PARACENTRAL_GM_MRI1

**Variable name:** L_paracentral_GM_MRI1
**Description:**Left Paracentral Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_PARAHIPPOCAMPAL_GM_MRI1**

**Variable name:** L_parahippocampal_GM_MRI1
**Description:** Left Parahippocampal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_PARS_OPERCULARIS_GM_MRI1**

**Variable name:** L_pars_opercularis_GM_MRI1
**Description:** Left Pars Opercularis Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_PARS_ORBITALIS_GM_MRI1**

**Variable name:** L_pars_orbitalis_GM_MRI1
**Description:** Left Pars Orbitalis Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_PARS_TRIANGULARIS_GM_MRI1**

**Variable name:** L_pars_triangularis_GM_MRI1
**Description:** Left Pars Triangularis Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_PERICALCARINE_GM_MRI1**

**Variable name:** L_pericalcarine_GM_MRI1
**Description:** Left Pericalcarine Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_POSTCENTRAL_GM_MRI1**

**Variable name:** L_postcentral_GM_MRI1
**Description:** Left Postcentral Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_POSTERIOR_CINGULATE_GM_MRI1**

**Variable name:** L_posterior_cingulate_GM_MRI1

**Description:** Left Posterior Cingulate Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_PRECENTRAL_GM_MRI1**

**Variable name:** L_precentral_GM_MRI1
**Description:** Left Precentral Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_PRECUNEUS_GM_MRI1**

**Variable name:** L_precuneus_GM_MRI1
**Description:** Left Precuneus Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_ROSTRAL_ANT_CINGULATE_GM_MRI1**

**Variable name:** L_rostral_ant_cingulate_GM_MRI1
**Description:**Left Rostral Anterior Cingulate Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_ROSTRAL_MIDDLE_FRONTAL_GM_MRI1**

**Variable name:** L_rostral_middle_frontal_GM_MRI1
**Description:** Left Rostral Middle Frontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_SUPERIOR_FRONTAL_MRI1**

**Variable name:** L_superior_frontal_GM_MRI1
**Description:** Left Superior Frontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_SUPERIOR_PARIETAL_GM_MRI1**

**Variable name:** L_superior_parietal_GM_MRI1
**Description:** Left Superior Parietal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**L_SUPERIOR_TEMPORAL_GM_MRI1**

**Variable name:** L_superior_temporal_GM_MRI1
**Description:** Left Superior Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_SUPRAMARGINAL_GM_MRI1

**Variable name:** L_supramarginal_GM_MRI1
**Description:** Left Supramarginal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## L_TRANSVERSE_TEMPORAL_GM_MRI1

**Variable name:** L_transverse_temporal_GM_MRI1
**Description:** Left Transverse Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_CAUDAL_ANT_CINGULATE_GM_MRI1

**Variable name:** R_caudal_ant_cingulate_GM_MRI1
**Description:** Right Transverse Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_CAUDAL_MIDDLE_FRONTAL_GM_MRI1

**Variable name:** R_caudal_middle_frontal_GM_MRI1
**Description:** Right Caudal Middle Frontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_CUNEUS_GM_MRI1

**Variable name:** R_cuneus_GM_MRI1
**Description:** Right Cuneus Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_ENTORHINAL_GM_MRI1

**Variable name:** R_entorhinal_GM_MRI1
**Description:** Right Entorhinal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_FUSIFORM_GM_MRI1

**Variable name:** R_fusiform_GM_MRI1
**Description:** Right Fusiform Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_INFERIOR_PARIETAL_GM_MRI1

**Variable name:** R_inferior_parietal_GM_MRI1
**Description:** Right Inferior Parietal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**R_INFERIOR_TEMPORAL_GM_MRI1**

**Variable name:** R_inferior_temporal_GM_MRI1
**Description:** Right Inferior Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**R_INSULA_GM_MRI1**

**Variable name:** R_insula_GM_MRI1
**Description:** Right Insula Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**R_ISTHMUS_CINGULATE_GM_MRI1**

**Variable name:** R_isthmus_cingulate_GM_MRI1
**Description:** Right Isthmus Cingulate Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**R_LATERAL_OCCIPITAL_GM_MRI1**

**Variable name:** R_lateral_occipital_GM_MRI1
**Description:** Right Lateral Occipital Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**R_LATERAL_ORBITOFRONTAL_GM_MRI1**

**Variable name:** R_lateral_orbitofrontal_GM_MRI1
**Description:** Right Lateral Orbitofrontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**R_LINGUAL_GM_MRI1**

**Variable name:** R_lingual_GM_MRI1
**Description:** Right Lingual Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

**R_MEDIAL_ORBITOFRONTAL_GM_MRI1**

**Variable name:** R_medial_orbitofrontal_GM_MRI1

**Description:** Right Medial Orbitofrontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_MIDDLE_TEMPORAL_GM_MRI1

**Variable name:** R_middle_temporal_GM_MRI1
**Description:** Right Middle Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_PARACENTRAL_GM_MRI1

**Variable name:** R_paracentral_GM_MRI1
**Description:** Right Paracentral Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_PARAHIPPOCAMPAL_GM_MRI1

**Variable name:** R_parahippocampal_GM_MRI1
**Description:** Right Parahippocampal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_PARS_OPERCULARIS_GM_MRI1

**Variable name:** R_pars_opercularis_GM_MRI1
**Description:** Right Pars Opercularis Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_PARS_ORBITALIS_GM_MRI1

**Variable name:** R_pars_orbitalis_GM_MRI1
**Description:** Right Pars Orbitalis Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_PARS_TRIANGULARIS_GM_MRI1

**Variable name:** R_pars_triangularis_GM_MRI1
**Description:** Right Pars Triangularis Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_PERICALCARINE_GM_MRI1

**Variable name:** R_pericalcarine_GM_MRI1
**Description:** Right Pericalcarine Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_POSTCENTRAL_GM_MRI1

**Variable name:** R_postcentral_GM_MRI1
**Description:** Right Postcentral Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_POSTERIOR_CINGULATE_GM_MRI1

**Variable name:** R_posterior_cingulate_GM_MRI1
**Description:** Right Posterior Cingulate Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_PRECENTRAL_GM_MRI1

**Variable name:** R_precentral_GM_MRI1
**Description:** Right Precentral Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_PRECUNEUS_GM_MRI1

**Variable name:** R_precuneus_GM_MRI1
**Description:** Right Precuneus Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_ROSTRAL_ANT_CINGULATE_GM_MRI1

**Variable name:** R_rostral_ant_cingulate_GM_MRI1
**Description:** Right Rostral Anterior Cingulate Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_ROSTRAL_MIDDLE_FRONTAL_GM_MRI1

**Variable name:** R_rostral_middle_frontal_GM_MRI1
**Description:** Right Rostral Middle Frontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_SUPERIOR_FRONTAL_MRI1

**Variable name:** R_superior_frontal_GM_MRI1
**Description:** Right Superior Frontal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## R_SUPERIOR_PARIETAL_GM_MRI1

**Variable name:** R_superior_parietal_GM_MRI1
**Description:** Right Superior Parietal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_SUPERIOR_TEMPORAL_GM_MRI1

**Variable name:** R_superior_temporal_GM_MRI1
**Description:** Right Superior Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_SUPRAMARGINAL_GM_MRI1

**Variable name:** R_supramarginal_GM_MRI1
**Description:** Right Supramarginal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

### R_TRANSVERSE_TEMPORAL_GM_MRI1

**Variable name:** R_transverse_temporal_GM_MRI1
**Description:** Right Transverse Temporal Gray Matter Volume, MRI Scan 1
**Units:** Centimeters Cubed

## Regional Surface Area Measurements

### L_CAUDAL_ANT_CINGULATE_SA_MRI1

**Variable name:** L_caudal_ant_cingulate_SA_MRI1
**Description:** Left Caudal Anterior Cingulate Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### L_CAUDAL_MIDDLE_FRONTAL_SA_MRI1

**Variable name:** L_caudal_middle_frontal_SA_MRI1
**Description:** Left Caudal Middle Frontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### L_CUNEUS_SA_MRI1

**Variable name:** L_cuneus_SA_MRI1
**Description:** Left Cuneus Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_ENTORHINAL_SA_MRI1

**Variable name:** L_entorhinal_SA_MRI1
**Description:** Left Entorhinal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_FUSIFORM_SA_MRI1

**Variable name:** L_fusiform_SA_MRI1
**Description:** Left Fusiform Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_INFERIOR_PARIETAL_SA_MRI1

**Variable name:** L_inferior_parietal_SA_MRI1
**Description:** Left Inferior Parietal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_INFERIOR_TEMPORAL_SA_MRI1

**Variable name:** L_inferior_temporal_SA_MRI1
**Description:** Left Inferior Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_INSULA_SA_MRI1

**Variable name:** L_insula_SA_MRI1
**Description:** Left Insula Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_ISTHMUS_CINGULATE_SA_MRI1

**Variable name:** L_isthmus_cingulate_SA_MRI1
**Description:** Left Isthmus Cingulate Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_LATERAL_OCCIPITAL_SA_MRI1

**Variable name:** L_lateral_occipital_SA_MRI1
**Description:** Left Lateral Occipital Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_LATERAL_ORBITOFRONTAL_SA_MRI1

**Variable name:** L_lateral_orbitofrontal_SA_MRI1
**Description:** Left Lateral Orbitofrontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_LINGUAL_SA_MRI1

**Variable name:** L_lingual_SA_MRI1
**Description:** Left Lingual Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_MEDIAL_ORBITOFRONTAL_SA_MRI1

**Variable name:** L_medial_orbitofrontal_SA_MRI1
**Description:** Left Medial Orbitofrontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_MIDDLE_TEMPORAL_SA_MRI1

**Variable name:** L_middle_temporal_SA_MRI1
**Description:** Left Middle Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_PARACENTRAL_SA_MRI1

**Variable name:** L_paracentral_SA_MRI1
**Description:** Left Paracentral Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_PARAHIPPOCAMPAL_SA_MRI1

**Variable name:** L_parahippocampal_SA_MRI1
**Description:** Left Parahippocampal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_PARS_OPERCULARIS_SA_MRI1

**Variable name:** L_pars_opercularis_SA_MRI1
**Description:** Left Pars Opercularis Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_PARS_ORBITALIS_SA_MRI1

**Variable name:** L_pars_orbitalis_SA_MRI1
**Description:** Left Pars Orbitalis Surface Area, MRI Scan 1

**Units:** Centimeters Squared

### L_PARS_TRIANGULARIS_SA_MRI1

**Variable name:** L_pars_triangularis_SA_MRI1
**Description:** Left Pars Triangularis Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### L_PERICALCARINE_SA_MRI1

**Variable name:** L_pericalcarine_SA_MRI1
**Description:** Left Pericalcarine Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### L_POSTCENTRAL_SA_MRI1

**Variable name:** L_postcentral_SA_MRI1
**Description:** Left Postcentral Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### L_POSTERIOR_CINGULATE_SA_MRI1

**Variable name:** L_posterior_cingulate_SA_MRI1
**Description:** Left Posterior Cingulate Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### L_PRECENTRAL_SA_MRI1

**Variable name:** L_precentral_SA_MRI1
**Description:** Left Precentral Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### L_PRECUNEUS_SA_MRI1

**Variable name:** L_precuneus_SA_MRI1
**Description:** Left Precuneus Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### L_ROSTRAL_ANT_CINGULATE_SA_MRI1

**Variable name:** L_rostral_ant_cingulate_SA_MRI1
**Description:** Left Rostral Anterior Cingulate Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_ROSTRAL_MIDDLE_FRONTAL_SA_MRI1

**Variable name:** L_rostral_middle_frontal_SA_MRI1
**Description:** Left Rostral Middle Frontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_SUPERIOR_FRONTAL_SA_MRI1

**Variable name:** L_superior_frontal_SA_MRI1
**Description:** Left Superior Frontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_SUPERIOR_PARIETAL_SA_MRI1

**Variable name:** L_superior_parietal_SA_MRI1
**Description:** Left Superior Parietal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_SUPERIOR_TEMPORAL_SA_MRI1

**Variable name:** L_superior_temporal_SA_MRI1
**Description:** Left Superior Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_SUPRAMARGINAL_SA_MRI1

**Variable name:** L_supramarginal_SA_MRI1
**Description:** Left Supramarginal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_TRANSVERSE_TEMPORAL_SA_MRI1

**Variable name:** L_transverse_temporal_SA_MRI1
**Description:** Left Transverse Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## R_CAUDAL_ANT_CINGULATE_SA_MRI1

**Variable name:** R_caudal_ant_cingulate_SA_MRI1
**Description:** Right Caudal Anterior Cingulate Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## R_CAUDAL_MIDDLE_FRONTAL_SA_MRI1

**Variable name:** R_caudal_middle_frontal_SA_MRI1
**Description:** Right Caudal Middle Frontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_CUNEUS_SA_MRI1

**Variable name:** R_cuneus_SA_MRI1
**Description:** Right Cuneus Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_ENTORHINAL_SA_MRI1

**Variable name:** R_entorhinal_SA_MRI1
**Description:** Right Entorhinal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_FUSIFORM_SA_MRI1

**Variable name:** R_fusiform_SA_MRI1
**Description:** Right Fusiform Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_INFERIOR_PARIETAL_SA_MRI1

**Variable name:** R_inferior_parietal_SA_MRI1
**Description:** Right Inferior Parietal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_INFERIOR_TEMPORAL_SA_MRI1

**Variable name:** R_inferior_temporal_SA_MRI1
**Description:** Right Inferior Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_INSULA_SA_MRI1

**Variable name:** R_insula_SA_MRI1
**Description:** Right Insula Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_ISTHMUS_CINGULATE_SA_MRI1

**Variable name:** R_isthmus_cingulate_SA_MRI1
**Description:** Right Isthmus Cingulate Surface Area, MRI Scan 1

**Units:** Centimeters Squared

**R_LATERAL_OCCIPITAL_SA_MRI1**

**Variable name:** R_lateral_occipital_SA_MRI1
**Description:** Right Lateral Occipital Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_LATERAL_ORBITOFRONTAL_SA_MRI1**

**Variable name:** R_lateral_orbitofrontal_SA_MRI1
**Description:** Right Lateral Orbitofrontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_LINGUAL_SA_MRI1**

**Variable name:** R_lingual_SA_MRI1
**Description:** Right Lingual Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_MEDIAL_ORBITOFRONTAL_SA_MRI1**

**Variable name:** R_medial_orbitofrontal_SA_MRI1
**Description:** Right Medial Orbitofrontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_MIDDLE_TEMPORAL_SA_MRI1**

**Variable name:** R_middle_temporal_SA_MRI1
**Description:** Right Middle Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_PARACENTRAL_SA_MRI1**

**Variable name:** R_paracentral_SA_MRI1
**Description:** Right Paracentral Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_PARAHIPPOCAMPAL_SA_MRI1**

**Variable name:** R_parahippocampal_SA_MRI1
**Description:** Right Parahippocampal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_PARS_OPERCULARIS_SA_MRI1**

**Variable name:** R_pars_opercularis_SA_MRI1
**Description:** Right Pars Opercularis Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_PARS_ORBITALIS_SA_MRI1**

**Variable name:** R_pars_orbitalis_SA_MRI1
**Description:** Right Pars Orbitalis Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_PARS_TRIANGULARIS_SA_MRI1**

**Variable name:** R_pars_triangularis_SA_MRI1
**Description:** Right Pars Triangularis Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_PERICALCARINE_SA_MRI1**

**Variable name:** R_pericalcarine_SA_MRI1
**Description:** Right Pericalcarine Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_POSTCENTRAL_SA_MRI1**

**Variable name:** R_postcentral_SA_MRI1
**Description:** Right Postcentral Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_POSTERIOR_CINGULATE_SA_MRI1**

**Variable name:** R_posterior_cingulate_SA_MRI1
**Description:** Right Posterior Cingulate Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_PRECENTRAL_SA_MRI1**

**Variable name:** R_precentral_SA_MRI1
**Description:** Right Precentral Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**R_PRECUNEUS_SA_MRI1**

**Variable name:** R_precuneus_SA_MRI1

**Description:** Right Precuneus Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_ROSTRAL_ANT_CINGULATE_SA_MRI1

**Variable name:** R_rostral_ant_cingulate_SA_MRI1
**Description:** Right Rostral Anterior Cingulate Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_ROSTRAL_MIDDLE_FRONTAL_SA_MRI1

**Variable name:** R_rostral_middle_frontal_SA_MRI1
**Description:** Right Rostral Middle Frontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_SUPERIOR_FRONTAL_SA_MRI1

**Variable name:** R_superior_frontal_SA_MRI1
**Description:** Right Superior Frontal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_SUPERIOR_PARIETAL_SA_MRI1

**Variable name:** R_superior_parietal_SA_MRI1
**Description:** Right Superior Parietal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_SUPERIOR_TEMPORAL_SA_MRI1

**Variable name:** R_superior_temporal_SA_MRI1
**Description:** Right Superior Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_SUPRAMARGINAL_SA_MRI1

**Variable name:** R_supramarginal_SA_MRI1
**Description:** Right Supramarginal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

### R_TRANSVERSE_TEMPORAL_SA_MRI1

**Variable name:** R_transverse_temporal_SA_MRI1
**Description:** Right Transverse Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

# Second MRI Scan

## Overall Brain Volumetric Measurements

### MRI_DATE_MRI2

**Variable name:** mri_date_MRI2
**Description:** Date of Brain MRI Scan, MRI Scan 2 (MMDDYYYY)

### CEREBRUM_TCV_MRI2

**Variable name:** Cerebrum_tcv_MRI2
**Description:** Total Cerebrum Cranial Volume, MRI Scan 2
**Units:** Centimeters Cubed

### CEREBRUM_TCB_MRI2

**Variable name:** Cerebrum_tcb_MRI2
**Description:** Total Cerebrum Brain Volume, MRI Scan 2
**Units:** Centimeters Cubed

### CEREBRUM_GRAY_MRI2

**Variable name:** Cerebrum_gray_MRI2
**Description:** Total Cerebrum Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### CEREBRUM_WHITE_MRI2

**Variable name:** Cerebrum_white_MRI2
**Description:** Total Cerebrum White Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### CEREBRUM_TCC_MRI2

**Variable name:** Cerebrum_tcc_MRI2
**Description:** Total Cerebrum Cerebrospinal Fluid, MRI Scan 2
**Units:** Centimeters Cubed

**Note:** There is a typo error in the original coding manual “Fram3_T1_data_dictionary_061118”.

**LEFT_LATERALVENT_MRI2**

**Variable name:** Left_lateralvent_MRI2
**Description:** Segmented Left Lateral Ventricle Volume, MRI Scan 2
**Units:** Centimeters Cubed

**RIGHT_LATERALVENT_MRI2**

**Variable name:** Right_lateralvent_MRI2
**Description:** Segmented Right Lateral Ventricle Volume, MRI Scan 2
**Units:** Centimeters Cubed

**LATERALVENT_MRI2**

**Variable name:** Lateralvent_MRI2
**Description:** Segmented Total Lateral Ventricle Volume, MRI Scan 2
**Units:** Centimeters Cubed

**THIRDVENT_MRI2**

**Variable name:** Thirdvent_MRI2
**Description:** Segmented Total Third Ventricle Volume, MRI Scan 2
**Units:** Centimeters Cubed

**FRONTAL_CSF_MRI2**

**Variable name:** Frontal_csf_MRI2
**Description:** Segmented Frontal Lobe Cerebrospinal Fluid, MRI Scan 2
**Units:** Centimeters Cubed

**FRONTAL_CORTICAL_GRAY_MRI2**

**Variable name:** Frontal_Cortical_gray_MRI2
**Description:** Segmented Frontal Lobe Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**FRONTAL_WHITE_MRI2**

**Variable name:** Frontal_white_MRI2
**Description:** Segmented Frontal Lobe White Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**OCCIPITAL_CSF_MRI2**

**Variable name:** Occipital_csf_MRI2
**Description:** Segmented Occipital Lobe Cerebrospinal Fluid, MRI Scan 2
**Units:** Centimeters Cubed

**OCCIPTAL_CORTICAL_GRAY_MRI2**

**Variable name:** Occipital_Cortical_gray_MRI2
**Description:** Segmented Occipital Lobe Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**OCCIPTAL_WHITE_MRI2**

**Variable name:** Occipital_white_MRI2
**Description:** Segmented Occipital Lobe White Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**PARIETAL_CSF_MRI2**

**Variable name:** Parietal_csf_MRI2
**Description:** Segmented Parietal Lobe Cerebrospinal Fluid, MRI Scan 2
**Units:** Centimeters Cubed

**PARIETAL_CORTICAL_GRAY_MRI2**

**Variable name:** Parietal_Cortical_gray_MRI2
**Description:** Segmented Parietal Lobe Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**PARIETAL_WHITE_MRI2**

**Variable name:** Parietal_white_MRI2
**Description:** Segmented Parietal Lobe White Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**TEMPORAL_CSF_MRI2**

**Variable name:** Temporal_csf_MRI2
**Description:** Segmented Temporal Lobe Cerebrospinal Fluid, MRI Scan 2
**Units:** Centimeters Cubed

**TEMPORAL_CORTICAL_GRAY_MRI2**

**Variable name:** Temporal_Cortical_gray_MRI2
**Description:** Segmented Temporal Lobe Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**TEMPORAL_WHITE_MRI2**

**Variable name:** Temporal_white_MRI2
**Description:** Segmented Temporal Lobe White Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**LEFT_HIPPO_MRI2**

**Variable name:** Left_hippo_MRI2
**Description:** Segmented Left Hippocampi Volume, MRI Scan 2
**Units:** Centimeters Cubed

**RIGHT_HIPPO_MRI2**

**Variable name:** Right_hippo_MRI2
**Description:** Segmented Right Hippocampi Volume, MRI Scan 2
**Units:** Centimeters Cubed

**HIPPO_MRI2**

**Variable name:** Hippo_MRI2
**Description:** Segmented Total Hippocampi Volume, MRI Scan 2
**Units:** Centimeters Cubed

**TOTAL_CSF_MRI2**

**Variable name:** Total_csf_MRI2
**Description:** Total Brain Cerebrospinal Fluid, MRI Scan 2
**Units:** Centimeters Cubed

**TOTAL_GRAY_MRI2**

**Variable name:** Total_gray_MRI2
**Description:** Total Brain Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**TOTAL_WHITE_MRI2**

**Variable name:** Total_white_MRI2
**Description:** Total Brain White Matter Volume, MRI Scan 2

**Units:** Centimeters Cubed

### TOTAL_BRAIN_MRI2

**Variable name:** Total_brain_MRI1
**Description:** Total Brain Volume, MRI Scan 2
**Units:** Centimeters Cubed

### COMMENT_FRAM3_MRI2

**Variable name:** Comment_Fram3_MRI2
**Description:** Analysis Status, MRI Scan 2

### WHITE_MATTER_HYPERINTENSITY_MRI2

**Variable name:** White_Matter_Hyperintensity_MRI2
**Description:** Total White Matter Hyperintensity Volume, MRI Scan 2
**Units:** Centimeters Cubed

## Mean Cortical Thickness Measurements

### L_CAUDAL_ANT_CINGULATE_CT_MRI2

**Variable name:** L_caudal_ant_cingulate_CT_MRI2
**Description:** Left Caudal Anterior Cingulate Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_CAUDAL_MIDDLE_FRONTAL_CT_MRI2

**Variable name:** L_caudal_middle_frontal_CT_MRI2
**Description:** Left Caudal Middle Frontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_CUNEUS_CT_MRI2

**Variable name:** L_cuneus_CT_MRI2
**Description:** Left Cuneus Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_ENTORHINAL_CT_MRI2

**Variable name:** L_entorhinal_CT_MRI2
**Description:** Left Entorhinal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

**L_FUSIFORM_CT_MRI2**

**Variable name:** L_fusiform_CT_MRI2
**Description:** Left Fusiform Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

**L_INFERIOR_PARIETAL_CT_MRI2**

**Variable name:** L_inferior_parietal_CT_MRI2
**Description:** Left Inferior Parietal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

**L_INFERIOR_TEMPORAL_CT_MRI2**

**Variable name:** L_inferior_temporal_CT_MRI2
**Description:** Left Inferior Temporal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

**L_INSULA_CT_MRI2**

**Variable name:** L_insula_CT_MRI2
**Description:** Left Insula Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

**L_ISTHMUS_CINGULATE_CT_MRI2**

**Variable name:** L_isthmus_cingulate_CT_MRI2
**Description:** Left Isthmus Cingulate Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

**L_LATERAL_OCCIPITAL_CT_MRI2**

**Variable name:** L__lateral_occipital_CT_MRI2
**Description:** Left Lateral Occipital Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

**L_LATERAL_ORBITOFRONTAL_CT_MRI2**

**Variable name:** L_lateral_orbitofrontal_CT_MRI2

**Description:** Left Lateral Orbitofrontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_LINGUAL_CT_MRI2

**Variable name:** L_lingual_CT_MRI2
**Description:** Left Lingual Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_MEDIAL_ORBITOFRONTAL_CT_MRI2

**Variable name:** L_medial_orbitofrontal_CT_MRI2
**Description:** Left Medial Orbitofrontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_MIDDLE_TEMPORAL_CT_MRI2

**Variable name:** L_middle_temporal_CT_MRI2
**Description:** Left Middle Temporal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_PARACENTRAL_CT_MRI2

**Variable name:** L_paracentral_CT_MRI2
**Description:** Left Paracentral Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_PARAHIPPOCAMPAL_CT_MRI2

**Variable name:** L_parahippocampal_CT_MRI2
**Description:** Left Parahippocampal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_PARS_OPERCULARIS_CT_MRI2

**Variable name:** L_pars_opercularis_CT_MRI2
**Description:** Left Pars Opercularis Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### L_PARS_ORBITALIS_CT_MRI2

**Variable name:** L_pars_orbitalis_CT_MRI2
**Description:** Left Pars Orbitalis Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_PARS_TRIANGULARIS_CT_MRI2

**Variable name:** L_pars_triangularis_CT_MRI2
**Description:** Left Pars Triangularis Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_ PERICALCARINE _CT_MRI2

**Variable name:** L_pericalcarine_CT_MRI2
**Description:** Left Pericalcarine Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_ POSTCENTRAL_CT_MRI2

**Variable name:** L_postcentral_CT_MRI2
**Description:** Left Postcentral Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_POSTERIOR_CINGULATE_CT_MRI2

**Variable name:** L_posterior_cingulate_CT_MRI2
**Description:** Left Posterior Cingulate Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L _PRECENTRAL_CT_MRI2

**Variable name:** L_precentral_CT_MRI2
**Description:** Left Precentral Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_PRECUNEUS_CT_MRI2

**Variable name:** L_precuneus_CT_MRI2
**Description:** Left Precuneus Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_ROSTRAL_ANT_CINGULATE_CT_MRI2

**Variable name:** L_rostral_ant_cingulate_CT_MRI2
**Description:** Left Rostral Anterior Cingulate Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_ROSTRAL_MIDDLE_FRONTAL_CT_MRI2

**Variable name:** L_rostral_middle_frontal_CT_MRI2
**Description:** Left Rostral Middle Frontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_SUPERIOR_FRONTAL_CT_MRI2

**Variable name:** L_superior_frontal_CT_MRI2
**Description:** Left Superior Frontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_SUPERIOR_PARIETAL_CT_MRI2

**Variable name:** L_superior_parietal_CT_MRI2
**Description:** Left Superior Parietal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_SUPERIOR_TEMPORAL_CT_MRI2

**Variable name:** L_superior_temporal_CT_MRI2
**Description:** Left Superior Temporal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_SUPRAMARGINAL_CT_MRI2

**Variable name:** L_supramarginal_CT_MRI2
**Description:** Left Supramarginal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## L_TRANSVERSE_TEMPORAL_CT_MRI2

**Variable name:** L_transverse_temporal_CT_MRI2
**Description:** Left Transverse Temporal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_CAUDAL_ANT_CINGULATE_CT_MRI2

**Variable name:** R_caudal_ant_cingulate_CT_MRI2
**Description:** Right Caudal Anterior Cingulate Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_CAUDAL_MIDDLE_FRONTAL_CT_MRI2

**Variable name:** R_caudal_middle_frontal_CT_MRI2
**Description:** Right Caudal Middle Frontal Mean Cortical Thickness, MRI Scan 2

**Units:** Millimeters

### R_CUNEUS_CT_MRI2

**Variable name:** R_cuneus_CT_MRI2
**Description:** Right Cuneus Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_ENTORHINAL_CT_MRI2

**Variable name:** R_entorhinal_CT_MRI2
**Description:** Right Entorhinal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_FUSIFORM_CT_MRI2

**Variable name:** R_fusiform_CT_MRI2
**Description:** Right Fusiform Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_INFERIOR_PARIETAL_CT_MRI2

**Variable name:** R_inferior_parietal_CT_MRI2
**Description:** Right Inferior Parietal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_INFERIOR_TEMPORAL_CT_MRI2

**Variable name:** R_inferior_temporal_CT_MRI2
**Description:** Right Inferior Temporal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_INSULA_CT_MRI2

**Variable name:** R_insula_CT_MRI2
**Description:** Right Insula Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_ISTHMUS_CINGULATE_CT_MRI2

**Variable name:** R_isthmus_cingulate_CT_MRI2
**Description:** Right Isthmus Cingulate Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_LATERAL_OCCIPTAL_CT_MRI2

**Variable name:** R_lateral_occipital_CT_MRI2
**Description:** Right Lateral Occipital Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_LATERAL_ORBITOFRONTAL_CT_MRI2

**Variable name:** R_lateral_orbitofrontal_CT_MRI2
**Description:** Right Lateral Orbitofrontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_LINGUAL_CT_MRI2

**Variable name:** R_lingual_CT_MRI2
**Description:** Right Lingual Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_MEDIAL_ORBITOFRONTAL_CT_MRI2

**Variable name:** R_medial_orbitofrontal_CT_MRI2
**Description:** Right Medial Orbitofrontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_MIDDLE_TEMPORAL_CT_MRI2

**Variable name:** R_middle_temporal_CT_MRI2
**Description:** Right Middle Temporal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_PARACENTRAL_CT_MRI2

**Variable name:** R_paracentral_CT_MRI2
**Description:** Right Paracentral Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_PARAHIPPOCAMPAL_CT_MRI2

**Variable name:** R_parahippocampal_CT_MRI2
**Description:** Right Parahippocampal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_PARS_OPERCULARIS_CT_MRI2

**Variable name:** R_pars_opercularis_CT_MRI2
**Description:** Right Pars Opercularis Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_PARS_ORBITALIS_CT_MRI2

**Variable name:** R_pars_orbitalis_CT_MRI2
**Description:** Right Pars Orbitalis Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_PARS_TRIANGULARIS_CT_MRI2

**Variable name:** R_pars_triangularis_CT_MRI2
**Description:** Right Pars Triangularis Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_PERICALCARINE_CT_MRI2

**Variable name:** R_pericalcarine_CT_MRI2
**Description:** Right Pericalcarine Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_POSTCENTRAL_CT_MRI2

**Variable name:** R_postcentral_CT_MRI2
**Description:** Right Pericalcarine Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_POSTERIOR_CINGULATE_CT_MRI2

**Variable name:** R_posterior_cingulate_CT_MRI2
**Description:** Right Posterior Cingulate Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_PRECENTRAL_CT_MRI2

**Variable name:** R_precentral_CT_MRI2
**Description:** Right Precentral Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## R_PRECUNEUS_CT_MRI2

**Variable name:** R_precuneus_CT_MRI2
**Description:** Right Precuneus Mean Cortical Thickness, MRI Scan 2

**Units:** Millimeters

### R_ROSTRAL_ANT_CINGULATE_CT_MRI2

**Variable name:** R_rostral_ant_cingulate_CT_MRI2
**Description:** Right Rostral Anterior Cingulate Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_ROSTRAL_MIDDLE_FRONTAL_CT_MRI2

**Variable name:** R_rostral_middle_frontal_CT_MRI2
**Description:** Right Rostral Middle Frontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_SUPERIOR_FRONTAL_CT_MRI2

**Variable name:** R_superior_frontal_CT_MRI2
**Description:** Right Superior Frontal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_SUPERIOR_PARIETAL_CT_MRI2

**Variable name:** R_superior_parietal_CT_MRI2
**Description:** Right Superior Parietal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_SUPERIOR_TEMPORAL_CT_MRI2

**Variable name:** R_superior_temporal_CT_MRI2
**Description:** Right Superior Temporal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_SUPRAMARGINAL_CT_MRI2

**Variable name:** R_supramarginal_CT_MRI2
**Description:** Right Supramarginal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

### R_TRANSVERSE_TEMPORAL_CT_MRI2

**Variable name:** R_transverse_temporal_CT_MRI2
**Description:** Right Transverse Temporal Mean Cortical Thickness, MRI Scan 2
**Units:** Millimeters

## Gray Matter Volume Measurements

### L_CAUDAL_ANT_CINGULATE_GM_MRI2

**Variable name:** L_caudal_ant_cingulate_GM_MRI2
**Description:** Left Caudal Anterior Cingulate Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_CAUDAL_MIDDLE_FRONTAL_GM_MRI2

**Variable name:** L_caudal_middle_frontal_GM_MRI2
**Description:** Left Caudal Middle Frontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_CUNEUS_GM_MRI2

**Variable name:** L_cuneus_GM_MRI2
**Description:** Left Cuneus Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_ENTORHINAL_GM_MRI2

**Variable name:** L_entorhinal_GM_MRI2
**Description:** Left Entorhinal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_FUSIFORM_GM_MRI2

**Variable name:** L_fusiform_GM_MRI2
**Description:** Left Fusiform Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_INFERIOR_PARIETAL_GM_MRI2

**Variable name:** L_inferior_parietal_GM_MRI2
**Description:** Left Inferior Parietal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_INFERIOR_TEMPORAL_GM_MRI2

**Variable name:** L_inferior_temporal_GM_MRI2
**Description:** Left Inferior Temporal Gray Matter Volume, MRI Scan 2

**Units:** Centimeters Cubed

### L_INSULA_GM_MRI2

**Variable name:** L_insula_GM_MRI2
**Description:** Left Insula Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_ISTHMUS_CINGULATE_GM_MRI2

**Variable name:** L_isthmus_cingulate_GM_MRI2
**Description:** Left Isthmus Cingulate Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_LATERAL_OCCIPITAL_GM_MRI2

**Variable name:** L_lateral_occipital_GM_MRI2
**Description:** Left Lateral Occipital Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_LATERAL_ORBITOFRONTAL_GM_MRI2

**Variable name:** L_lateral_orbitofrontal_GM_MRI2
**Description:** Left Lateral Orbitofrontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_LINGUAL_GM_MRI2

**Variable name:** L_lingual_GM_MRI2
**Description:** Left Lingual Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_MEDIAL_ORBITOFRONTAL_GM_MRI2

**Variable name:** L_medial_orbitofrontal_GM_MRI2
**Description:** Left Medial Orbitofrontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### L_MIDDLE_TEMPORAL_GM_MRI2

**Variable name:** L_middle_temporal_GM_MRI2
**Description:** Left Middle Temporal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_PARACENTRAL_GM_MRI2

**Variable name:** L_paracentral_GM_MRI2
**Description:**Left Paracentral Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

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

## L_PARAHIPPOCAMPAL_GM_MRI2

**Variable name:** L_parahippocampal_GM_MRI2
**Description:**Left Parahippocampal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_PARS_OPERCULARIS_GM_MRI2

**Variable name:** L_pars_opercularis_GM_MRI2
**Description:** Left Pars Opercularis Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_PARS_ORBITALIS_GM_MRI2

**Variable name:** L_pars_orbitalis_GM_MRI2
**Description:** Left Pars Orbitalis Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_PARS_TRIANGULARIS_GM_MRI2

**Variable name:** L_pars_triangularis_GM_MRI2
**Description:** Left Pars Triangularis Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_PERICALCARINE_GM_MRI2

**Variable name:** L_pericalcarine_GM_MRI2
**Description:** Left Pericalcarine Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_POSTCENTRAL_GM_MRI2

**Variable name:** L_postcentral_GM_MRI2

**Description:** Left Postcentral Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**L_POSTERIOR_CINGULATE_GM_MRI2**

**Variable name:** L_posterior_cingulate_GM_MRI2
**Description:** Left Posterior Cingulate Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**L_PRECENTRAL_GM_MRI2**

**Variable name:** L_precentral_GM_MRI2
**Description:** Left Precentral Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**L_PRECUNEUS_GM_MRI2**

**Variable name:** L_precuneus_GM_MRI2
**Description:** Left Precuneus Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**L_ROSTRAL_ANT_CINGULATE_GM_MRI2**

**Variable name:** L_rostral_ant_cingulate_GM_MRI2
**Description:**Left Rostral Anterior Cingulate Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**L_ROSTRAL_MIDDLE_FRONTAL_GM_MRI2**

**Variable name:** L_rostral_middle_frontal_GM_MRI2
**Description:** Left Rostral Middle Frontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**L_SUPERIOR_FRONTAL_GM_MRI2**

**Variable name:** L_superior_frontal_GM_MRI2
**Description:** Left Superior Frontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

**L_SUPERIOR_PARIETAL_GM_MRI2**

**Variable name:** L_superior_parietal_GM_MRI2
**Description:** Left Superior Parietal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_SUPERIOR_TEMPORAL_GM_MRI2

**Variable name:** L_superior_temporal_GM_MRI2
**Description:** Left Superior Temporal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_SUPRAMARGINAL_GM_MRI2

**Variable name:** L_supramarginal_GM_MRI2
**Description:** Left Supramarginal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## L_TRANSVERSE_TEMPORAL_GM_MRI2

**Variable name:** L_transverse_temporal_GM_MRI2
**Description:** Left Transverse Temporal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_CAUDAL_ANT_CINGULATE_GM_MRI2

**Variable name:** R_caudal_ant_cingulate_GM_MRI2
**Description:** Left Transverse Temporal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_CAUDAL_MIDDLE_FRONTAL_GM_MRI2

**Variable name:** R_caudal_middle_frontal_GM_MRI2
**Description:** Right Caudal Middle Frontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_CUNEUS_GM_MRI2

**Variable name:** R_cuneus_GM_MRI2
**Description:** Right Cuneus Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_ENTORHINAL_GM_MRI2

**Variable name:** R_entorhinal_GM_MRI2
**Description:** Right Entorhinal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_FUSIFORM_GM_MRI2

**Variable name:** R_fusiform_GM_MRI2
**Description:** Right Fusiform Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_INFERIOR_PARIETAL_GM_MRI2

**Variable name:** R_inferior_parietal_GM_MRI2
**Description:** Right Inferior Parietal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_INFERIOR_TEMPORAL_GM_MRI2

**Variable name:** R_inferior_temporal_GM_MRI2
**Description:** Right Inferior Temporal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_INSULA_GM_MRI2

**Variable name:** R_insula_GM_MRI2
**Description:** Right Insula Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_ISTHMUS_CINGULATE_GM_MRI2

**Variable name:** R_isthmus_cingulate_GM_MRI2
**Description:** Right Isthmus Cingulate Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_LATERAL_OCCIPITAL_GM_MRI2

**Variable name:** R_lateral_occipital_GM_MRI2
**Description:** Right Lateral Occipital Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_LATERAL_ORBITOFRONTAL_GM_MRI2

**Variable name:** R_lateral_orbitofrontal_GM_MRI2
**Description:** Right Lateral Orbitofrontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_LINGUAL_GM_MRI2

**Variable name:** R_lingual_GM_MRI2

**Description:** Right Lingual Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_MEDIAL_ORBITOFRONTAL_GM_MRI2

**Variable name:** R_medial_orbitofrontal_GM_MRI2
**Description:** Right Medial Orbitofrontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_MIDDLE_TEMPORAL_GM_MRI2

**Variable name:** R_middle_temporal_GM_MRI2
**Description:** Right Middle Temporal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_PARACENTRAL_GM_MRI2

**Variable name:** R_paracentral_GM_MRI2
**Description:** Right Paracentral Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_PARAHIPPOCAMPAL_GM_MRI2

**Variable name:** R_parahippocampal_GM_MRI2
**Description:** Right Parahippocampal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_PARS_OPERCULARIS_GM_MRI2

**Variable name:** R_pars_opercularis_GM_MRI2
**Description:** Right Pars Opercularis Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_PARS_ORBITALIS_GM_MRI2

**Variable name:** R_pars_orbitalis_GM_MRI2
**Description:** Right Pars Orbitalis Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_PARS_TRIANGULARIS_GM_MRI2

**Variable name:** R_pars_triangularis_GM_MRI2
**Description:** Right Pars Triangularis Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_PERICALCARINE_GM_MRI2

**Variable name:** R_pericalcarine_GM_MRI2
**Description:** Right Pericalcarine Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_POSTCENTRAL_GM_MRI2

**Variable name:** R_postcentral_GM_MRI2
**Description:** Right Postcentral Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_POSTERIOR_CINGULATE_GM_MRI2

**Variable name:** R_posterior_cingulate_GM_MRI2
**Description:** Right Posterior Cingulate Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_PRECENTRAL_GM_MRI2

**Variable name:** R_precentral_GM_MRI2
**Description:** Right Precentral Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_PRECUNEUS_GM_MRI2

**Variable name:** R_precuneus_GM_MRI2
**Description:** Right Precuneus Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_ROSTRAL_ANT_CINGULATE_GM_MRI2

**Variable name:** R_rostral_ant_cingulate_GM_MRI2
**Description:** Right Rostral Anterior Cingulate Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_ROSTRAL_MIDDLE_FRONTAL_GM_MRI2

**Variable name:** R_rostral_middle_frontal_GM_MRI2
**Description:** Right Rostral Middle Frontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## R_SUPERIOR_FRONTAL_MRI2

**Variable name:** R_superior_frontal_GM_MRI2
**Description:** Right Superior Frontal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_SUPERIOR_PARIETAL_GM_MRI2

**Variable name:** R_superior_parietal_GM_MRI2
**Description:** Right Superior Parietal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_SUPERIOR_TEMPORAL_GM_MRI2

**Variable name:** R_superior_temporal_GM_MRI2
**Description:** Right Superior Temporal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_SUPRAMARGINAL_GM_MRI2

**Variable name:** R_supramarginal_GM_MRI2
**Description:** Right Supramarginal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

### R_TRANSVERSE_TEMPORAL_GM_MRI2

**Variable name:** R_transverse_temporal_GM_MRI2
**Description:** Right Transverse Temporal Gray Matter Volume, MRI Scan 2
**Units:** Centimeters Cubed

## Regional Surface Area Measurements

### L_CAUDAL_ANT_CINGULATE_SA_MRI2

**Variable name:** L_caudal_ant_cingulate_SA_MRI2
**Description:** Left Caudal Anterior Cingulate Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### L_CAUDAL_MIDDLE_FRONTAL_SA_MRI2

**Variable name:** L_caudal_middle_frontal_SA_MRI2
**Description:** Left Caudal Middle Frontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_CUNEUS_SA_MRI2

**Variable name:** L_cuneus_SA_MRI2
**Description:** Left Cuneus Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_ENTORHINAL_SA_MRI2

**Variable name:** L_entorhinal_SA_MRI2
**Description:** Left Entorhinal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_FUSIFORM_SA_MRI2

**Variable name:** L_fusiform_SA_MRI2
**Description:** Left Fusiform Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_INFERIOR_PARIETAL_SA_MRI2

**Variable name:** L_inferior_parietal_SA_MRI2
**Description:** Left Inferior Parietal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_INFERIOR_TEMPORAL_SA_MRI2

**Variable name:** L_inferior_temporal_SA_MRI2
**Description:** Left Inferior Temporal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_INSULA_SA_MRI2

**Variable name:** L_insula_SA_MRI2
**Description:** Left Insula Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_ISTHMUS_CINGULATE_SA_MRI2

**Variable name:** L_isthmus_cingulate_SA_MRI2
**Description:** Left Isthmus Cingulate Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_LATERAL_OCCIPITAL_SA_MRI2

**Variable name:** L_lateral_occipital_SA_MRI2
**Description:** Left Lateral Occipital Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_LATERAL_ORBITOFRONTAL_SA_MRI2

**Variable name:** L_lateral_orbitofrontal_SA_MRI2
**Description:** Left Lateral Orbitofrontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_LINGUAL_SA_MRI2

**Variable name:** L_lingual_SA_MRI2
**Description:** Left Lingual Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_MEDIAL_ORBITOFRONTAL_SA_MRI2

**Variable name:** L_medial_orbitofrontal_SA_MRI2
**Description:** Left Medial Orbitofrontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_MIDDLE_TEMPORAL_SA_MRI2

**Variable name:** L_middle_temporal_SA_MRI2
**Description:** Left Middle Temporal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_PARACENTRAL_SA_MRI2

**Variable name:** L_paracentral_SA_MRI2
**Description:** Left Paracentral Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_PARAHIPPOCAMPAL_SA_MRI2

**Variable name:** L_parahippocampal_SA_MRI2
**Description:** Left Parahippocampal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_PARS_OPERCULARIS_SA_MRI2

**Variable name:** L_pars_opercularis_SA_MRI2
**Description:** Left Pars Opercularis Surface Area, MRI Scan 2

**Units:** Centimeters Squared

### L_PARS_ORBITALIS_SA_MRI2

**Variable name:** L_pars_orbitalis_SA_MRI2
**Description:** Left Pars Orbitalis Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### L_PARS_TRIANGULARIS_SA_MRI2

**Variable name:** L_pars_triangularis_SA_MRI2
**Description:** Left Pars Triangularis Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### L_PERICALCARINE_SA_MRI2

**Variable name:** L_pericalcarine_SA_MRI2
**Description:** Left Pericalcarine Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### L_POSTCENTRAL_SA_MRI2

**Variable name:** L_postcentral_SA_MRI2
**Description:** Left Postcentral Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### L_POSTERIOR_CINGULATE_SA_MRI2

**Variable name:** L_posterior_cingulate_SA_MRI2
**Description:** Left Posterior Cingulate Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### L_PRECENTRAL_SA_MRI2

**Variable name:** L_precentral_SA_MRI2
**Description:** Left Precentral Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### L_PRECUNEUS_SA_MRI2

**Variable name:** L_precuneus_SA_MRI2
**Description:** Left Precuneus Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_ROSTRAL_ANT_CINGULATE_SA_MRI2

**Variable name:** L_rostral_ant_cingulate_SA_MRI1
**Description:** Left Rostral Anterior Cingulate Surface Area, MRI Scan 1
**Units:** Centimeters Squared

## L_ROSTRAL_MIDDLE_FRONTAL_SA_MRI2

**Variable name:** L_rostral_middle_frontal_SA_MRI2
**Description:** Left Rostral Middle Frontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_SUPERIOR_FRONTAL_SA_MRI2

**Variable name:** L_superior_frontal_SA_MRI2
**Description:** Left Superior Frontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_SUPERIOR_PARIETAL_SA_MRI2

**Variable name:** L_superior_parietal_SA_MRI2
**Description:** Left Superior Parietal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_SUPERIOR_TEMPORAL_SA_MRI2

**Variable name:** L_superior_temporal_SA_MRI2
**Description:** Left Superior Temporal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_SUPRAMARGINAL_SA_MRI2

**Variable name:** L_supramarginal_SA_MRI2
**Description:** Left Supramarginal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## L_TRANSVERSE_TEMPORAL_SA_MRI2

**Variable name:** L_transverse_temporal_SA_MRI2
**Description:** Left Transverse Temporal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

## R_CAUDAL_ANT_CINGULATE_SA_MRI2

**Variable name:** R_caudal_ant_cingulate_SA_MRI2
**Description:** Right Caudal Anterior Cingulate Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_CAUDAL_MIDDLE_FRONTAL_SA_MRI2

**Variable name:** R_caudal_middle_frontal_SA_MRI2
**Description:** Right Caudal Middle Frontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_CUNEUS_SA_MRI2

**Variable name:** R_cuneus_SA_MRI2
**Description:** Right Cuneus Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_ENTORHINAL_SA_MRI2

**Variable name:** R_entorhinal_SA_MRI2
**Description:** Right Entorhinal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_FUSIFORM_SA_MRI2

**Variable name:** R_fusiform_SA_MRI2
**Description:** Right Fusiform Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_INFERIOR_PARIETAL_SA_MRI2

**Variable name:** R_inferior_parietal_SA_MRI2
**Description:** Right Inferior Parietal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_INFERIOR_TEMPORAL_SA_MRI2

**Variable name:** R_inferior_temporal_SA_MRI2
**Description:** Right Inferior Temporal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_INSULA_SA_MRI2

**Variable name:** R_insula_SA_MRI2
**Description:** Right Insula Surface Area, MRI Scan 2

**Units:** Centimeters Squared

### R_ISTHMUS_CINGULATE_SA_MRI2

**Variable name:** R_isthmus_cingulate_SA_MRI2
**Description:** Right Isthmus Cingulate Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_LATERAL_OCCIPITAL_SA_MRI2

**Variable name:** R_lateral_occipital_SA_MRI2
**Description:** Right Lateral Occipital Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_LATERAL_ORBITOFRONTAL_SA_MRI2

**Variable name:** R_lateral_orbitofrontal_SA_MRI2
**Description:** Right Lateral Orbitofrontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_LINGUAL_SA_MRI2

**Variable name:** R_lingual_SA_MRI2
**Description:** Right Lingual Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_MEDIAL_ORBITOFRONTAL_SA_MRI2

**Variable name:** R_medial_orbitofrontal_SA_MRI2
**Description:** Right Medial Orbitofrontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_MIDDLE_TEMPORAL_SA_MRI2

**Variable name:** R_middle_temporal_SA_MRI2
**Description:** Right Middle Temporal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

### R_PARACENTRAL_SA_MRI2

**Variable name:** R_paracentral_SA_MRI2
**Description:** Right Paracentral Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_PARAHIPPOCAMPAL_SA_MRI2**

**Variable name:** R_parahippocampal_SA_MRI2
**Description:** Right Parahippocampal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_PARS_OPERCULARIS_SA_MRI2**

**Variable name:** R_pars_opercularis_SA_MRI2
**Description:** Right Pars Opercularis Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_PARS_ORBITALIS_SA_MRI2**

**Variable name:** R_pars_orbitalis_SA_MRI2
**Description:** Right Pars Orbitalis Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_PARS_TRIANGULARIS_SA_MRI2**

**Variable name:** R_pars_triangularis_SA_MRI2
**Description:** Right Pars Triangularis Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_PERICALCARINE_SA_MRI2**

**Variable name:** R_pericalcarine_SA_MRI2
**Description:** Right Pericalcarine Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_POSTCENTRAL_SA_MRI2**

**Variable name:** R_postcentral_SA_MRI2
**Description:** Right Postcentral Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_POSTERIOR_CINGULATE_SA_MRI2**

**Variable name:** R_posterior_cingulate_SA_MRI2
**Description:** Right Posterior Cingulate Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_PRECENTRAL_SA_MRI2**

**Variable name:** R_precentral_SA_MRI2
**Description:** Right Precentral Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_PRECUNEUS_SA_MRI2**

**Variable name:** R_precuneus_SA_MRI2
**Description:** Right Precuneus Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_ROSTRAL_ANT_CINGULATE_SA_MRI2**

**Variable name:** R_rostral_ant_cingulate_SA_MRI2
**Description:** Right Rostral Anterior Cingulate Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_ROSTRAL_MIDDLE_FRONTAL_SA_MRI2**

**Variable name:** R_rostral_middle_frontal_SA_MRI2
**Description:** Right Rostral Middle Frontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_SUPERIOR_FRONTAL_SA_MRI2**

**Variable name:** R_superior_frontal_SA_MRI2
**Description:** Right Superior Frontal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_SUPERIOR_PARIETAL_SA_MRI2**

**Variable name:** R_superior_parietal_SA_MRI2
**Description:** Right Superior Parietal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_SUPERIOR_TEMPORAL_SA_MRI2**

**Variable name:** R_superior_temporal_SA_MRI2
**Description:** Right Superior Temporal Surface Area, MRI Scan 2
**Units:** Centimeters Squared

**R_SUPRAMARGINAL_SA_MRI2**

**Variable name:** R_supramarginal_SA_MRI2
**Description:** Right Supramarginal Surface Area, MRI Scan 2

**Units:** Centimeters Squared

## R_TRANSVERSE_TEMPORAL_SA_MRI2

**Variable name:** R_transverse_temporal_SA_MRI2
**Description:** Right Transverse Temporal Surface Area, MRI Scan 1
**Units:** Centimeters Squared

**DATE_CORE1**

**Variable name:** Date_core1
**Description:** Date of Core Exam 1 (MMDDYYYY)

**DATE_CORE2**

**Variable name:** Date_core2
**Description:** Date of Core Exam 2 (MMDDYYYY)

**DATE_CORE3**

**Variable name:** Date_core2
**Description:** Date of Core Exam 2 (MMDDYYYY)

**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)

**NP_CLOSEST_EXAM_DATE1**

**Variable name:** np_closest_exam_date1
**Description:** FHS core exam date that was closest to the first 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_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 |
| 2 | Core Exam 2 |
| 3 | Core Exam 3 |
| . | Unknown |

### NP_CLOSEST_EXAM_DATE2

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

### NP_DAYS_APART2

**Variable name:** np_days_apart2
**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_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 |

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

## NP_CLOSEST_EXAM_DATE3

**Variable name:** np_closest_exam_date3
**Description:** FHS core exam date that was closest to the third 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_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 |
| . | Unknown |

## NP_CLOSEST_EXAM_DATE4

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

## NP_DAYS_APART4

**Variable name:** np_days_apart4
**Description:** The number of days between the FHS core exam date that was closest to the fourth NP test and the fourth 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_CYCLE4

**Variable name:** np_exam_cycle4
**Description:** FHS core exam cycle that was closest to the fourth NP test

| Code or Value | Description |
|---|---|
| 1 | Core Exam 1 |
| 2 | Core Exam 2 |
| 3 | Core Exam 3 |
| . | Unknown |

## 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

## IMPAIRMENT_DATE

**Variable name:** impairment_date
**Description:** Date of cognitive impairment onset

## MILD_DATE

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

## MODERATE_DATE

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

## SEVERE_DATE

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

## EDDD

**Variable name:** eddd
**Description:** Earliest documented date of Dementia

## 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 |
| 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/Missing |

**Verified Diabetes Diagnosis is derived from "vr_diab_ex02_3b_0388", up to date to Core Exam 2.**

## DIABETIC_STATUS_EXAM1

**Variable name:** Diabetic_Status_Exam1
**Description:** Current diabetes status, Exam 1

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

## DIABETIC_STATUS_EXAM2

**Variable name:** Diabetic_Status_Exam2
**Description:** Current diabetes status, Exam 2

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

## HISTORY_DIABETES_EXAM1

**Variable name:** History_Diabetes_Exam1
**Description:** History of diabetes, Exam 1

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

## HISTORY_DIABETES_EXAM2

**Variable name:** History_Diabetes_Exam2
**Description:** History of diabetes, Exam 2

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

## Verified Coronary Heart Disease and Stroke/TIA Diagnosis is derived from "vr_soe_2016_a_1073" , up to date to year 2016

### FIRST_CHD_EVENT_DATE

**Variable name:** First_CHD_Event_date
**Description:** Date of first Coronary Heart Disease (CHD) event (MMDDYYYY)

### FIRST_CHD_EVENT

**Variable name:** First_CHD_event
**Description:** First Coronary Heart Disease (CHD) event

| Code or Value | Description |
|---|---|
| 1 | MI recognized, with diagnostic ECG |
| 2 | MI recognized, without diagnostic ECG, with enzymes and history |
| 3 | MI recognized, without diagnostic ECG, with autopsy evidence, new event |
| 4 | MI unrecognized, silent |
| 5 | MI unrecognized, not silent |
| 6 | AP, first episode only |
| 7 | CI, definite by both history and ECG |
| 8 | Questionable MI at exam 1 |
| 9 | Acute MI by autopsy, previously coded as 1 or 2 |
| 21 | Death, CHD sudden, within 1 hour |
| 22 | Death, CHD, 1-23 hours, non-sudden |
| 23 | Death, CHD, 24-47 hours, non-sudden |
| 24 | Death, CHD, 48 hours or more, non-sudden |

### FIRST_STROKE_EVENT_DATE

**Variable name:** First_Stroke_Event_date
**Description:** Date of first Stroke event (MMDDYYYY)

## FIRST_STROKE_EVENT

**Variable name:** First_Stroke_event
**Description:** First Stroke event

| Code or Value | Description |
|---|---|
| 10 | Definite CVA at exam 1, but questionable type |
| 11 | ABI (Atherothrombotic Infarction of brain) |
| 13 | Cerebral embolism |
| 14 | Intracerebral hemorrhage |
| 15 | Subarachnoid hemorrhage |
| 16 | Other CVA |
| 17 | CVA, definite CVA, type unknown |
| 19 | Questionable CVA at exam 1 |
| 25 | Death, CVA |

## FIRST_CHF_EVENT_DATE

**Variable name:** First_CHF_event_date
**Description:** Date of first Congestive Heart Failure (CHF) event (MM/DD/YYYY)

## FIRST_CHF_EVENT

**Variable name:** First_CHF_event
**Description:** First Congestive Heart Failure (CHF) event

| Code or Value | Description |
|---|---|
| 40 | CHF, not hospitalized, diagnosed on basis of on exam or MD notes |
| 41 | CHF, hospitalized |
| 49 | CHF, questionable CHF at exam 1 |

## TIA_EVENT_DATE

**Variable name:** TIA_event_date
**Description:** Date of Transient Ischemic Attack (TIA)

## TIA_EVENT

**Variable name:** TIA_event
**Description:** Transient Ischemic Attack (TIA)

| Code or Value | Description |
|---|---|
| 12 | TIA (Transient Ischemic Attack) only the 1st TIA is coded |
| 18 | TIA with positive imaging |

**For Verified Cancer Diagnosis Variables, refer to WHO ICD codebook and "vr_cancer_2013_a_0018_coding_manual.pdf"**

## CANCER_DATE1

**Variable name:** cancer_date1
**Description:** Date of first Cancer (MMDDYYYY)

## CANCER_DATE_EXACT_CANCER1

**Variable name:** Cancer_date_exact_cancer1
**Description:** Type of Date - diagnosis date qualifier - indicates the quality of cancer_date1

| Code or Value | Description |
|---|---|
| 0 | Month, date and year of diagnosis date taken from pathology report or other test report. |
| 1 | Estimated diagnosis date as described in variable cancer_date1 |

## HISTOLOGY_CANCER1

**Variable name:** Histology_cancer1
**Description:** Histology or morphology of first cancer – describes cell histopathology – corresponds to four digit morphology code WHO ICD-O

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

## TOPOGRAPHY_CANCER1

**Variable name:** Topography_cancer1
**Description:** Topography of first cancer – describes site – corresponds to first three digits of topography code WHO ICD-O

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

## ICD_O_CODE_CANCER1

**Variable name:** ICD_O_Code_cancer1
**Description:** Indicates ICD-O code book used for coding for first cancer

| Code or Value | Description |
|---|---|
| 0 | ICD-O-1 code book |
| 1 | ICD-O-3 code book |
| 2 | ICD-O-3 code book using 'Coding Guidelines for Topography and Morphology' in front of code book |

## LOCATION_CANCER1

**Variable name:** LOCATION_cancer1
**Description:** Location of first cancer – describes subdivision of site – corresponds to fourth digit of topography code WHO ICD-O

| Code or Value | Description |
|---|---|
| 0 | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| . | Unknown |

## BEHAVIOR_CANCER1

**Variable name:** BEHAVIOR_cancer1
**Description:** Behavior of first cancer– describes the degree of malignancy – corresponds to the fifth digit behavior code WHO ICD-O

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

## GRADE_CANCER1

**Variable name:** GRADE_cancer1
**Description:** Grade of first cancer – corresponds to code for histologic grading and differentiation WHO ICD-O

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

## CANCER_DATE2

**Variable name:** cancer_date2
**Description:** Date of second Cancer (MMDDYYYY)

## CANCER_DATE_EXACT_CANCER2

**Variable name:** Cancer_date_exact_cancer2
**Description:** Type of Date - diagnosis date qualifier - indicates the quality of cancer_date2

| Code or Value | Description |
|---|---|
| 0 | Month, date and year of diagnosis date taken from pathology report or other test report. |
| 1 | Estimated diagnosis date as described in variable cancer_date1 |

## HISTOLOGY_CANCER2

**Variable name:** Histology_cancer2
**Description:** Histology or morphology of second cancer – describes cell histopathology – corresponds to four digit morphology code WHO ICD-O

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

## TOPOGRAPHY_CANCER2

**Variable name:** Topography_cancer2
**Description:** Topography of second cancer – describes site – corresponds to first three digits of topography code WHO ICD-O

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

## ICD_O_CODE_CANCER2

**Variable name:** ICD_O_Code_cancer2
**Description:** Indicates ICD-O code book used for coding for second cancer

| Code or Value | Description |
|---|---|
| 0 | ICD-O-1 code book |
| 1 | ICD-O-3 code book |
| 2 | ICD-O-3 code book using 'Coding Guidelines for Topography and Morphology' in front of code book |

## LOCATION_CANCER2

**Variable name:** LOCATION_cancer2
**Description:** Location of second cancer – describes subdivision of site – corresponds to fourth digit of topography code WHO ICD-O

| Code or Value | Description |
|---|---|
| 0 | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| . | Unknown |

## BEHAVIOR_CANCER2

**Variable name:** BEHAVIOR_cancer2
**Description:** Behavior of second cancer– describes the degree of malignancy – corresponds to the fifth digit behavior code WHO ICD-O

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

**GRADE_CANCER2**

**Variable name:** GRADE_cancer2
**Description:** Grade of second cancer – corresponds to code for histologic grading and differentiation WHO ICD-O

| Code or Value | Description |
|---|---|
| | |
| | |
| . | Unknown |

**Verified Atrial Fibrillation/Flutter Diagnosis is Derived from "vr_afcum_2016_a_1782", up to date to year 2016.**

**FIRST_AF_RHYTHM_DATE**

**Variable name:** First_AF_Rhythm_Date
**Description:** Date of first Atrial Fibrillation (AF) rhythm (MMDDYYYY)

**FIRST_FLUTTER_RHYTHM_DATE**

**Variable name:** First_Flutter_Rhythm_Date
**Description:** Date of first Atrial Flutter rhythm (MMDDYYYY)

**FIRST_AF_FLUTTER_RHYTHM_DATE**

**Variable name:** First_AF_Flutter_Rhythm_Date
**Description:** Date of first Atrial Fibrillation (AF) / Atrial Flutter rhythm (MMDDYYYY)

**Verified Survival Status (Alive/Dead) is derived from vr_survdth_2015_a_1123,**

## up to date to year 2015

### DEATH_DATE

**Variable name:** Death_date
**Description:** Date of death (MMDDYYYY)

### LAST_CONTACTED_DATE

**Variable name:** Last_contacted_date
**Description:** Date of last contact through 2015 – This is the last time the participant was known to be alive (MMDDYYYY)

**Note:** Since this variable is obtained from the FHS core data and is only up-to-date to year 2015, it may not be accurate for participants who showed up for NP test or MRI scan after year 2015. Practice caution.

### neuropath_avail

**Variable name:** neuropath_avail
**Description:** Availability of brain autopsy data

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

**These variables are derived from the sections "Verified Health Conditions and Survival Status" and "Neuropsychological Test"**

## PREVALENT_STROKE_NPEXAM1

**Variable name:** Prevalent_Stroke_NPexam1
**Description:** Prevalent Stroke at NP Exam 1

| Code or Value | Description |
|---|---|
| 0 | Yes |
| 1 | No |
| . | Unknown (Did not attend NP Exam 1) |

## PREVALENT_STROKE_NPEXAM2

**Variable name:** Prevalent_Stroke_NPexam2
**Description:** Prevalent Stroke at NP Exam 2

| Code or Value | Description |
|---|---|
| 0 | Yes |
| 1 | No |
| . | Unknown (Did not attend NP Exam 2) |

## PREVALENT_STROKE_MRI1

**Variable name:** Prevalent_Stroke_MRI1
**Description:** Prevalent Stroke at MRI Scan 1

| Code or Value | Description |
|---|---|
| 0 | No |
| 1 | Yes |
| . | Unknown (Did not attend MRI Scan 1) |

## PREVALENT_STROKE_MRI2

**Variable name:** Prevalent_Stroke_MRI2
**Description:** Prevalent Stroke at MRI Scan 2

| Code or Value | Description |
|---|---|
| 0 | No |
| 1 | Yes |
| . | Unknown (Did not attend MRI Scan 2) |

## PREVALENT_CHD_NPEXAM1

**Variable name:** Prevalent_CHD_NPexam1
**Description:** Prevalent Coronary Heart Disease (CHD) at NP Exam 1

| Code or Value | Description |
|---|---|
| 0 | Yes |
| 1 | No |
| . | Unknown (Did not attend NP Exam 1) |

## PREVALENT_CHD_NPEXAM2

**Variable name:** Prevalent_CHD_NPexam2
**Description:** Prevalent Coronary Heart Disease (CHD) at NP Exam 2

| Code or Value | Description |
|---|---|
| 0 | Yes |
| 1 | No |
| . | Unknown (Did not attend NP Exam 2) |

## PREVALENT_CHD_MRI1

**Variable name:** Prevalent_CHD_MRI1
**Description:** Prevalent CHD at MRI Scan 1

| Code or Value | Description |
|---|---|
| 0 | No |
| 1 | Yes |
| . | Unknown (Did not attend MRI Scan 1) |

## PREVALENT_CHD_MRI2

**Variable name:** Prevalent_CHD_MRI2
**Description:** Prevalent CHD at MRI Scan 2

| Code or Value | Description |
|---|---|
| 0 | No |
| 1 | Yes |
| . | Unknown (Did not attend MRI Scan 2) |

## FIRST_AF_ALL_DATE

**Variable name:** First_AF_All_Date
**Description:** Date of first Atrial Fibrillation (AF) related rhythm (MMDDYYYY)

## PREVALENT_AF_NPEXAM1

**Variable name:** Prevalent_AF_NPexam1
**Description:** Prevalent AF at NP Exam 1

| Code or Value | Description |
|---|---|
| 0 | Yes |
| 1 | No |
| . | Unknown (Did not attend NP Exam 1) |

## PREVALENT_AF_NPEXAM2

**Variable name:** Prevalent_AF_NPexam2
**Description:** Prevalent AF at NP Exam 2

| Code or Value | Description |
|---|---|
| 0 | Yes |
| 1 | No |
| . | Unknown (Did not attend NP Exam 2) |

## PREVALENT_AF_MRI1

**Variable name:** Prevalent_AF_MRI1
**Description:** Prevalent AF at MRI Scan 1

| Code or Value | Description |
|---|---|
| 0 | No |
| 1 | Yes |
| . | Unknown (Did not attend MRI Scan 1) |

## PREVALENT_AF_MRI2

**Variable name:** Prevalent_AF_MRI2
**Description:** Prevalent AF at MRI Scan 2

| Code or Value | Description |
|---|---|
| 0 | No |
| 1 | Yes |
| . | Unknown (Did not attend MRI Scan 2) |

## PREVALENT_AF_MRI2

**Variable name:** Log_WRAT_NPexam2
**Description:** Log-transformed Raw Score from “Wide Range Achievement Test –Reading”, NP Exam 2

| 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 | |
|---|---|
| 08/03/2018 | Original Draft<br>● Coding Manual of Master_Dataset_2372_080318<br>● Dataset: Master_Dataset_2372_080318 |
| 08/13/2018 | Revision of 08/03/2018 draft<br>● Minor typo/grammatical/format corrections<br>● Addition of "Derived Variables" section with SAS code embedded<br>● Added information to cover page of manual<br>● Amended date of "Last Updated"<br>● Added user advice to "Neuropsychological Test", "Digital Clock Drawing Test" and "MRI Brain Scans" sections<br>● Added user advice to the variable Last_Contacted_Date under "Verified Survival Status (Alive/Dead)"<br>● Coding manual has been renamed as "Coding Manual of Master_Dataset_2372_081318"<br>● Dataset has been renamed as "Master_Dataset_2372_081318" |
| 08/21/2018 | Revision of 08/13/2018 draft<br>● Minor typo/grammatical/format corrections<br>● Coding manual has been renamed as "Coding Manual of Master_Dataset_2372_082118"<br>● Dataset has been renamed as "Master_Dataset_2372_082118" |
| 08/30/2018 | Revision of 08/21/2018 draft<br>● Added information regarding interpretation of the range values of the "Neuropsychological Test" section in the introductory summary<br>● Minor typo/grammatical/format corrections<br>● Coding manual has been renamed as "Coding Manual of Master_Dataset_2372_082118 (Last Updated 083018)"<br>● No change to dataset or dataset name |
| Feb 2021 | Revision of 08/30/2018 draft<br>● Added variables "idtype" and "id" |

| | |
|---|---|
| | • Dataset has been renamed as "Curated_cohort2372_022021"<br>• Available in both SAS and csv files |
| Nov 2021 | Revision of Feb 2021<br>• Added selected variables from FHS core exam 3<br>• Added dementia review data<br>• Updated neuropsychological summary scores and date-related variables up to year 2019<br>• Dataset has been renamed as "curated2372_11_2021"<br>• Available in both SAS and csv files |