



# **The BIOCARD Study**

Biomarkers of Cognitive Decline Among Normal  
Individuals

**Tau PET Braak ROIs  
Limited Dataset**

## Glossary of Terms

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| Term              | Description                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Allowable Codes   | codes (and their meanings) allowed to be values for that variable                                                                                                                                                            |
| Audit Findings    | error rates based on BIOCARD or NIH phase audits<br><br>error rates are calculated as number of errors / total number of variables examined                                                                                  |
| Baseline visit    | date admitted to NIH phase of BIOCARD study <i>[Note: some data may have been collected prior to this date]</i>                                                                                                              |
| Collection        | when the variable information was collected (i.e., Baseline, Follow-up)                                                                                                                                                      |
| Comments          | further information about the variable not covered in the above fields                                                                                                                                                       |
| Data Type         | numeric or character <i>[Note: Dates are numeric data]</i><br>numeric or character classifications are strictly related to how the data are stored and not how the data should be analyzed                                   |
| JHU phase         | the study phase at JHU from 2009 - present                                                                                                                                                                                   |
| Missing OK If     | instances (such as skips) or reasons why a blank or missing value is acceptable                                                                                                                                              |
| NA                | not applicable for this variable                                                                                                                                                                                             |
| NIH / NIH phase   | the study phase that was performed at the NIH from 1995-2005                                                                                                                                                                 |
| Question Text     | the question as it appears on the NACC or BIOCARD data collection forms                                                                                                                                                      |
| Short Description | a short explanation of what the variable means                                                                                                                                                                               |
| Source            | the name of the NACC form, BIOCARD form, or NIH dataset containing the variable information (or "DERIVED" if the variable was derived) and the variable question number located on the form or in the dataset, if applicable |
| Unknown Code      | the codes for the "unknown", "don't know", or missing values for the variable                                                                                                                                                |
| Variable Name     | the name of the variable in the provided dataset <i>[Note: Variables will follow the NACC naming scheme as closely as possible]</i>                                                                                          |

## Acronyms and Definitions

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|       |                                                            |       |                                                         |
|-------|------------------------------------------------------------|-------|---------------------------------------------------------|
| AD    | Alzheimer's Disease                                        | JHU   | The Johns Hopkins University                            |
| CDR   | Clinical Dementia Rating                                   | MCI   | Mild Cognitive Impairment                               |
| CERAD | Consortium to Establish a Registry for Alzheimer's Disease | MMSE  | Mini-Mental State Examination                           |
| CNS   | Central Nervous System                                     | NACC  | National Alzheimer's Coordinating Center                |
| CSF   | Cerebrospinal Fluid                                        | NIA   | National Institute on Aging                             |
| CVD   | Cardiovascular Disease                                     | NINDS | National Institute of Neurological Disorders and Stroke |
| CVLT  | California Verbal Learning Test                            | NPI-Q | Neuropsychiatric Inventory Questionnaire                |
| FAQ   | Functional Assessment Questionnaire                        | UPDRS | Unified Parkinson's Disease Rating Scale                |
| FTD   | Frontotemporal Degenerations                               | WAIS  | Wechsler Adult Intelligence Scale                       |
| GDS   | Geriatric Depression Scale                                 | WMS   | Wechsler Memory Scale                                   |

# Tau PET Braak ROIs Limited Dataset Characteristics

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Number of Vars: 11

Order of variables

|                       |                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------|
| 1) JHUANONID          | <i>Participant ID Anonymized by JHU</i>                                                   |
| 2) Tau_PET_VISITNO    | <i>Tau PET visit number</i>                                                               |
| 3) MOFROMBL           | <i>Months since Tau PET baseline</i>                                                      |
| 4) SEX                | <i>Participant gender</i>                                                                 |
| 5) MY_Birth           | <i>Participant birth month and year</i>                                                   |
| 6) BRAAK_I_tau_SUVr   | <i>Tau PET accumulation in Braak I regions of interest- standard uptake value ratio</i>   |
| 7) BRAAK_II_tau_SUVr  | <i>Tau PET accumulation in Braak II regions of interest- standard uptake value ratio</i>  |
| 8) BRAAK_III_tau_SUVr | <i>Tau PET accumulation in Braak III regions of interest- standard uptake value ratio</i> |
| 9) BRAAK_IV_tau_SUVr  | <i>Tau PET accumulation in Braak IV regions of interest- standard uptake value ratio</i>  |
| 10) BRAAK_V_tau_SUVr  | <i>Tau PET accumulation in Braak V regions of interest- standard uptake value ratio</i>   |
| 11) BRAAK_VI_tau_SUVr | <i>Tau PET accumulation in Braak VI regions of interest- standard uptake value ratio</i>  |

1) Variable Name **JHUANONID**

Short Description Participant ID Anonymized by JHU

Source NA

Question Text NA

Time of Collection Baseline

Data Type Character

Allowable Codes Allowable Codes JHU + 6 digit number

Missing OK if NA

Audit Findings NA

Comments None

2) Variable Name **Tau\_PET\_VISITNO**

Short Description Tau PET visit number

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes JHU visit: 101, 102, 103, 104, ..... 1XX where XX is from 01 to 99

Visit number 999 used for all participants that have died before a 101 visit for forms: A4, A5, A5a, B1, B2, B3, B3a, B8, B9, and D1. For participants that are alive, an A5 may have a 999 visit number to capture medical data acquired during the NIH phase of the study.

Missing OK if NA

Audit Findings NA

Comments Visit when Tau PET was completed

3) Variable Name **MOFROMBL**

Short Description Months since Tau PET baseline

Source DERIVED

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min = 0  
Max = 999

Missing OK if NA

Audit Findings NA

Comments Calculated as months between the baseline start date and the recorded Tau PET date.

4) Variable Name **SEX**

Short Description Participant gender

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min : 1=Male  
Max : 2=Female

Missing OK if NA

Audit Findings NA

Comments None

5) Variable Name **MY\_Birth**

Short Description Participant birth month and year

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min = TBD  
Max = TBD

Missing OK if NA

Audit Findings NA

Comments None

6) Variable Name **BRAAK\_I\_tau\_SUVR**

Short Description Tau PET accumulation in Braak I regions of interest- standard uptake

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min = 1  
Max = TBD

Missing OK if NA

Audit Findings NA

Comments None

7) Variable Name **BRAAK\_II\_tau\_SUVr**

Short Description Tau PET accumulation in Braak II regions of interest- standard uptak

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min = 1  
Max = TBD

Missing OK if NA

Audit Findings NA

Comments None

8) Variable Name **BRAAK\_III\_tau\_SUVr**

Short Description Tau PET accumulation in Braak III regions of interest- standard uptak

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min = 1  
Max = TBD

Missing OK if NA

Audit Findings NA

Comments None

9) Variable Name **BRAAK\_IV\_tau\_SUVr**

Short Description Tau PET accumulation in Braak IV regions of interest- standard uptak

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min = 1  
Max = TBD

Missing OK if NA

Audit Findings NA

Comments None

10) Variable Name **BRAAK\_V\_tau\_SUVr**

Short Description Tau PET accumulation in Braak V regions of interest- standard uptak

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min = 1  
Max = TBD

Missing OK if NA

Audit Findings NA

Comments None

11) Variable Name **BRAAK\_VI\_tau\_SUVr**

Short Description Tau PET accumulation in Braak VI regions of interest- standard uptak

Source Tau PET

Question Text NA

Time of Collection Baseline and Follow-up

Data Type Numeric

Allowable Codes Min = 1  
Max = TBD

Missing OK if NA

Audit Findings NA

Comments None