



The BIOCARD Study

Biomarkers of Cognitive Decline
Among Normal Individuals

**Neuropsychiatric Symptoms
Limited Dataset
July 2019**

Glossary of Terms

Allowable Codes	codes (and their meaning) allowed to be values for that variable
Audit findings	error rates based on BIOCRAD or NIH phase audits 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>[Noted: Dates are numeric data]</i>
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 in the variable
Variable Name	the name of the variable in the provided dataset <i>{Noted: Variables will follow the NACC naming scheme as closely as possible}</i>

Acronyms and Definitions

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	NART	National Adult Reading Test
CVD	Cardiovascular disease	NIA	National Institute on Aging
CVLT	California Verbal Learning Test	NINDS	National Institute of Neurological Disorders and Stroke
FAQ	Functional Assessment Questionnaire	NPI-Q	Neuropsychiatric Inventory Questionnaire
FTD	Frontotemporal Degenerations	PDRS	Unified Parkinson’s Disease Rating Scale
GDS	Geriatric Depression Scale	WAIS	Wechsler Adult Intelligence Scale
		WMS	Wechsler Memory Scale

Neuropsychiatric Symptoms-Limited Dataset Characteristics

Number of variables: 48

Order of variables:

- | | | |
|-----|--------------------------------|--|
| 1) | JHUANONID | <i>Participant ID Anonymized byJHU</i> |
| 2) | VISITNO | <i>Chronological visit number</i> |
| 3) | MOFROMBL | <i>Months since baseline visit</i> |
| 4) | H_TOTAL | <i>Hamilton Depression Score-Total</i> |
| 5) | H_ATOTAL | <i>Hamilton Anxiety Score-Total</i> |
| 6) | B5201 | <i>NPI-Q-Informant type</i> |
| 7) | B5202a | <i>NPI-DELUSIONS present/absent</i> |
| 8) | B5202b | <i>NPI-DELUSIONS-SEVERITY</i> |
| 9) | B5203a | <i>NPI-HALLUCINATIONS present/absent</i> |
| 10) | B5203b | <i>NPI-HALLUCINATIONS-SEVERITY</i> |
| 11) | B5204a | <i>NPI-AGITATION OR AGGRESSION present/absent</i> |
| 12) | B5204b | <i>NPI-AGITATION OR AGGRESSION-SEVERITY</i> |
| 13) | B5205a | <i>NPI-DEPRESSION OR DYSPHORIA present/absent</i> |
| 14) | B5205b | <i>NPI-DEPRESSION OR DYSPHORIA-SEVERITY</i> |
| 15) | B5206a | <i>NPI-ANXIETY present/absent</i> |
| 16) | B5206b | <i>NPI-ANXIETY-SEVERITY</i> |
| 17) | B5207a | <i>NPI-ELATION OR EUPHORIA present/absent</i> |
| 18) | B5207b | <i>NPI-ELATION OR EUPHORIA-SEVERITY</i> |
| 19) | B5208a | <i>NPI-APATHY OR INDIFFERENCE present/absent</i> |
| 20) | B5208b | <i>NPI-APATHY OR INDIFFERENCE-SEVERITY</i> |
| 21) | B5209a | <i>NPI-DISINHIBITION present/absent</i> |
| 22) | B5209b | <i>NPI-DISINHIBITION-SEVERITY</i> |
| 23) | B5210a | <i>NPI-IRRITABILITY OR LABILITY present/absent</i> |
| 24) | B5210b | <i>NPI-IRRITABILITY OR LABILITY-SEVERITY</i> |
| 25) | B5211a | <i>NPI-MOTOR DISTURBANCE present/absent</i> |
| 26) | B5211b | <i>NPI-MOTOR DISTURBANCE-SEVERITY</i> |
| 27) | B5212a | <i>NPI-NIGHTTIME BEHAVIORS present/absent</i> |
| 28) | B5212b | <i>NPI-NIGHTTIME BEHAVIORS-SEVERITY</i> |
| 29) | B5213a | <i>NPI-APPETITE AND EATING present/absent</i> |
| 30) | B5213b | <i>NPI-APPETITE AND EATING-SEVERITY</i> |
| 31) | NPI-Q present/
absent total | <i>NPI-Q Total Score-present/absent</i> |
| 32) | NPI-Q severity
total | <i>NPI-Q Total Score-severity</i> |

33)	B6201	<i>GDS-item 1</i>
34)	B6202	<i>GDS-item 2</i>
35)	B6203	<i>GDS-item 3</i>
36)	B6204	<i>GDS-item 4</i>
37)	B6205	<i>GDS-item 5</i>
38)	B6206	<i>GDS-item 6</i>
39)	B6207	<i>GDS-item 7</i>
40)	B6208	<i>GDS-item 8</i>
41)	B6209	<i>GDS-item 9</i>
42)	B6210	<i>GDS-item 10</i>
43)	B6211	<i>GDS-item 11</i>
44)	B6212	<i>GDS-item 12</i>
45)	B6213	<i>GDS-item 13</i>
46)	B6214	<i>GDS-item 14</i>
47)	B6215	<i>GDS-item 15</i>
48)	B6216	<i>GDS-Total Score</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	JHU + 6 numbers
Missing OK If	NA
Comments	None

2) Variable Name VISITNO

Short Description	Chronological visit number
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	<p>NIH visit: Integers and decimals from 0 to 10, where a visit 0 represents a visit that occurred prior to the established baseline date</p> <p>JHU visit: 101, 102, 103, 104,..... 1XX where XX is from 01 to 99</p> <p>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.</p>
Missing OK If	NA
Comments	None

Limited Dataset

3)	Variable Name	MOFROMBL
	Short Description	Months since baseline visit
	Source	DERIVED
	Question Text	NA
	Time of Collection	Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0 Max = 999
	Missing OK If	NA
	Comments	Derived variable. [JHU phase] Calculated as months between the baseline start date and the V1 VISITDATE (formerly V11_Date) for follow-up visits. [NIH phase] Calculated as months between the baseline start date and the recorded visit date (HAMDATE - fsvis).

4)	Variable Name	H_TOTAL
	Short Description	Hamilton Depression Score, Total
	Source	NIH Hamilton file
	Question Text	Hamilton Depression Score Total
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0 Max = 27
	Unknown Code	Reasons:
	Missing OK If	NA
	Comment	NIH phase only.

5)	Variable Name	H_ATOTAL
	Short Description	Hamilton Anxiety Score, Total
	Source	NIH Hamilton file
	Question Text	Hamilton Anxiety Score Total
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0 Max = 26
	Unknown Code	Reasons:
	Missing OK If	NA
	Comment	NIH phase only.

- 6) Variable Name **B5201**
 Short Description NPI-Q Informant
 Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
 Question Text Behavioral Assessment – Neuropsychiatric Inventory Informant
 Time of Collection Baseline and Follow-up
 Data Type Character
 Allowable Codes 1=Spouse
 2=Child
 3=Other
 Missing OK If NA
 Comments JHU phase only.
- 7) Variable Name **B5202a**
 Short Description NPI DELUSIONS present/absent
 Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
 Question Text Does the patient believe that others are stealing from him or her, or planning to
 him or her in some way?
 Time of Collection Baseline and Follow-up
 Data Type Character
 Allowable Codes 1=Yes
 0=No
 Missing OK If NA
 Comments JHU phase only.

- 8) Variable Name **B5202b**
- Short Description NPI DELUSIONS SEVERITY
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Rate the severity of the symptom
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Mild
 2=Moderate
 3=Severe
- Missing OK If NA
- Comments JHU phase only.
-
- 9) Variable Name **B5203a**
- Short Description NPI HALLUCINATIONS present/absent
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Does the patient act as if he or she hears voices? Does he or she talk to people
 who are not there?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.

10)	Variable Name	B5202b
	Short Description	NPI HALLUCINATIONS SEVERITY
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Rate the severity of the symptom
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Mild 2=Moderate 3=Severe
	Missing OK If	NA
	Comments	JHU phase only.

11)	Variable Name	B5204a
	Short Description	NPI AGITATION OR AGGRESSION present/absent
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Is the patient stubborn and resistive to help from others?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Yes 0=No
	Missing OK If	NA
	Comments	JHU phase only.

- 12)** Variable Name **B5204b**
- Short Description NPI AGITATION OR AGGRESSION SEVERITY
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Rate the severity of the symptom
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Mild
 2=Moderate
 3=Severe
- Missing OK If NA
- Comments JHU phase only.
-
- 13)** Variable Name **B5205a**
- Short Description NPI DEPRESSION OR DYSPHORIA present/absent
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Does the patient act as if he or she is sad or in low spirits? Does he or she cry?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.

- 14)** Variable Name **B5205b**
- Short Description NPI DEPRESSION OR DYSPHORIA SEVERITY
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Rate the severity of the symptom
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Mild
 2=Moderate
 3=Severe
- Missing OK If NA
- Comments JHU phase only.
-
- 15)** Variable Name **B5206a**
- Short Description NPI ANXIETY present/absent
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Does the patient become upset when separated from you? Does he or she have
any other signs of nervousness, such as shortness of breath, sighing, being
unable to relax, or feeling excessively tense?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.

16)	Variable Name	B5206b
	Short Description	NPI ANXIETY SEVERITY
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Rate the severity of the symptom
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Mild 2=Moderate 3=Severe
	Missing OK If	NA
	Comments	JHU phase only.

17)	Variable Name	B5207a
	Short Description	NPI ELATION OR EUPHORIA present/absent
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Does the patient appear to feel too good or act excessively happy?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Yes 0=No
	Missing OK If	NA
	Comments	JHU phase only.

18)	Variable Name	B5207b
	Short Description	NPI ELATION OR EUPHORIA SEVERITY
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Rate the severity of the symptom
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Mild 2=Moderate 3=Severe
	Missing OK If	NA
	Comments	JHU phase only.
19)	Variable Name	B5208a
	Short Description	NPI APATHY OR INDIFFERENCE present/absent
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Does the patient seem less interested in his or her usual activities and in the activities and plans of others?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Yes 0=No
	Missing OK If	NA
	Comments	JHU phase only.

20)	Variable Name	B5208b
	Short Description	NPI APATHY OR INDIFFERENCE SEVERITY
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Rate the severity of the symptom
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Mild 2=Moderate 3=Severe
	Missing OK If	NA
	Comments	JHU phase only.
21)	Variable Name	B5209a
	Short Description	NPI DISINHIBITION present/absent
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Does the patient seem to act impulsively? For example, does the patient talk to strangers as if he or she knows them, or does the patient say things that may hurt people’s feelings?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Yes 0=No
	Missing OK If	NA
	Comments	JHU phase only.

22)	Variable Name	B5209b
	Short Description	NPI DISINHIBITION SEVERITY
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Rate the severity of the symptom
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Mild 2=Moderate 3=Severe
	Missing OK If	NA
	Comments	JHU phase only.
23)	Variable Name	B5210a
	Short Description	NPI IRRITABILITY OR LABILITY present/absent
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Is the patient impatient or cranky? Does he or she have difficulty coping with delays or waiting for planned activities?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Yes 0=No
	Missing OK If	NA
	Comments	JHU phase only.

- 24)** Variable Name **B5210b**
- Short Description NPI IRRITABILITY OR LABILITY SEVERITY
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Rate the severity of the symptom
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Mild
 2=Moderate
 3=Severe
- Missing OK If NA
- Comments JHU phase only.
-
- 25)** Variable Name **B5211a**
- Short Description NPI MOTOR DISTURBANCE present/absent
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Does the patient engage in repetitive activities, such as pacing around the
 house, handling buttons, wrapping string, or doing other things repeatedly?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.

- 26)** Variable Name **B5211b**
- Short Description NPI MOTOR DISTURBANCE SEVERITY
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Rate the severity of the symptom
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Mild
 2=Moderate
 3=Severe
- Missing OK If NA
- Comments JHU phase only.
-
- 27)** Variable Name **B5212a**
- Short Description NPI NIGHTTIME BEHAVIORS present/absent
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Does the patient awaken you during the night, rise too early in the morning, or
 take excessive naps during the day?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.

- 28)** Variable Name **B5212b**
- Short Description NPI NIGHTTIME BEHAVIORS SEVERITY
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Rate the severity of the symptom
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Mild
 2=Moderate
 3=Severe
- Missing OK If NA
- Comments JHU phase only.
-
- 29)** Variable Name **B5213a**
- Short Description NPI APPETITE AND EATING present/absent
- Source Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
- Question Text Has the patient lost or gained weight, or had a change in the food he or she
 likes?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.

30)	Variable Name	B5213b
	Short Description	NPI APPETITE AND EATING SEVERITY
	Source	Behavioral Assessment – Neuropsychiatric Inventory Questionnaire
	Question Text	Rate the severity of the symptom
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Mild 2=Moderate 3=Severe
	Missing OK If	NA
	Comments	JHU phase only.

31)	Variable Name	NPI-Q present absent
	Short Description	NPI-Q Total Score-present/absent
	Source	Generated
	Time of Collection	Baseline and Follow-up
	Data Type	Number
	Allowable Codes	0=Min 9=Max
	Missing OK If	NA
	Comments	JHU phase only.

- 32)** Variable Name **NPI-Q severity**
- Short Description NPI-Q Total Score-severity
- Source Generated
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Min
 17=Max
- Missing OK If NA
- Comments JHU phase only.
-
- 33)** Variable Name **B6201**
- Short Description GDS-item 1, SATISFIED WITH YOUR LIFE
- Source Behavioral Assessment – Geriatric Depression Scale
- Question Text Are you basically satisfied with your life?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 0=Yes
 1=No
- Missing OK If NA
- Comments JHU phase only.

34) Variable Name **B6202**

 Short Description GDS-item 2, DROPPED ACTIVITIES AND INTERESTS

 Source Behavioral Assessment – Geriatric Depression Scale

 Question Text Have you dropped many of your activities and interests?

Time of Collection Baseline and Follow-up

 Data Type Character

Allowable Codes 1=Yes
 0=No

 Missing OK If NA

 Comments JHU phase only.

35) Variable Name **B6203**

 Short Description GDS-item 3, FEEL THAT YOUR LIFE IS EMPTY

 Source Behavioral Assessment – Geriatric Depression Scale

 Question Text Do you feel that your life is empty?

Time of Collection Baseline and Follow-up

 Data Type Character

Allowable Codes 1=Yes
 0=No

 Missing OK If NA

 Comments JHU phase only.

36)	Variable Name	B6204
	Short Description	GDS-item 4, GET BORED
	Source	Behavioral Assessment – Geriatric Depression Scale
	Question Text	Do you often get bored?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Yes 0=No
	Missing OK If	NA
	Comments	JHU phase only.

37)	Variable Name	B6205
	Short Description	GDS-item 5, GOOD SPIRIT MOST OF THE TIME
	Source	Behavioral Assessment – Geriatric Depression Scale
	Question Text	Are you in good spirits most of the time?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	0=Yes 1=No
	Missing OK If	NA
	Comments	JHU phase only.

38) Variable Name **B6206**

 Short Description GDS-item 6, AFRAID THAT SOMETHING BAD IS GOING TO HAPPEN

 Source Behavioral Assessment – Geriatric Depression Scale

 Question Text Are you afraid that something bad is going to happen to you?

Time of Collection Baseline and Follow-up

 Data Type Character

Allowable Codes 1=Yes
 0=No

 Missing OK If NA

 Comments JHU phase only.

39) Variable Name **B6207**

 Short Description GDS-item 7, HAPPY MOST OF THE TIME

 Source Behavioral Assessment – Geriatric Depression Scale

 Question Text Do you feel happy most of the time?

Time of Collection Baseline and Follow-up

 Data Type Character

Allowable Codes 0=Yes
 1=No

 Missing OK If NA

 Comments JHU phase only.

- 40)** Variable Name **B6208**
- Short Description GDS-item 8, FEEL HELPLESS
- Source Behavioral Assessment – Geriatric Depression Scale
- Question Text Do you often feel helpless?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.
-
- 41)** Variable Name **B6209**
- Short Description GDS-item 9, PREFER STAY AT HOME
- Source Behavioral Assessment – Geriatric Depression Scale
- Question Text Do you prefer to stay at home, rather than going out and doing new things?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.

42)	Variable Name	B6210
	Short Description	GDS-item 10, MORE PROBLEMS WITH MEMORY
	Source	Behavioral Assessment – Geriatric Depression Scale
	Question Text	Do you feel you have more problems with memory than most?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Yes 0=No
	Missing OK If	NA
	Comments	JHU phase only.

43)	Variable Name	B6211
	Short Description	GDS-item 11, WONDERFUL TO BE ALIVE
	Source	Behavioral Assessment – Geriatric Depression Scale
	Question Text	Do you think it is wonderful to be alive now?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	0=Yes 1=No
	Missing OK If	NA
	Comments	JHU phase only.

44)	Variable Name	B6212
	Short Description	GDS-item 12, WORTHLESS THE WAY YOU ARE NOW
	Source	Behavioral Assessment – Geriatric Depression Scale
	Question Text	Do you feel pretty worthless the way you are now?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	1=Yes 0=No
	Missing OK If	NA
	Comments	JHU phase only.

45)	Variable Name	B6213
	Short Description	GDS-item 13, FULL OF ENERGY
	Source	Behavioral Assessment – Geriatric Depression Scale
	Question Text	Do you feel full of energy?
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	0=Yes 1=No
	Missing OK If	NA
	Comments	JHU phase only.

- 46)** Variable Name **B6214**
- Short Description GDS-item 14, SITUATION IS HOPELESS
- Source Behavioral Assessment – Geriatric Depression Scale
- Question Text Do you feel that your situation is hopeless?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.
-
- 47)** Variable Name **B6215**
- Short Description GDS-item 15, MOST PEOPLE ARE BETTER OFF
- Source Behavioral Assessment – Geriatric Depression Scale
- Question Text Do you think that most people are better off than you are?
- Time of Collection Baseline and Follow-up
- Data Type Character
- Allowable Codes 1=Yes
 0=No
- Missing OK If NA
- Comments JHU phase only.

48)	Variable Name	B6216
	Short Description	GDS-item 16, GDS SCORE, TOTAL
	Source	Behavioral Assessment – Geriatric Depression Scale
	Question Text	Sum all circled answers for a Total GDS Score
	Time of Collection	Baseline and Follow-up
	Data Type	Character
	Allowable Codes	15=Max 88=Did not complete
	Missing OK If	NA
	Comments	JHU phase only.

The item scores for Hamilton Depression and Hamilton Anxiety scales are available on request