

RESEARCHERS DATA DICTIONARY

Imaging Data

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Introduction

The *Researcher's Data Dictionary — Imaging Data (RDD-ID)* is intended to be the first and primary resource for researchers analyzing imaging for UDS subjects (structural MRIs, some with calculated MRI summary data, and PET scans).

The NACC imaging database is a large, freely available sample of MRIs and PET scans that are linked to the standardized UDS and NP data, and can also be linked to genotype data from ADGC.

MRIs and PET scans at NACC are most appropriately described as a convenience sample of images, voluntarily submitted by several Alzheimer's Disease Centers (ADCs). Imaging data collection and acquisition protocols vary by ADC. For instance, MRI sessions may include T1-weighted, FLAIR, DTI, T2, or other sequence types (and any combination thereof), and subjects may or may not have multiple sessions in the NACC database. There is no defined data collection period, and there are no submission deadlines for MRIs or PET scans; instead, the images are submitted at the discretion of the individual ADCs.

For a subset of the MRIs, calculated summary data are also available. The calculations were performed by the IDeA Lab (Director: Charles DeCarli, MD; University of California, Davis; <http://idealab.ucdavis.edu/>), following ADNI protocols.

Definitions

Original variables are coded as they are collected from the MRI or PET DICOM header during image processing at NACC or as they were sent to NACC by the IDeA Lab. In some instances, NACC has added codes to explain missing data and to facilitate use of the variable in analyses (e.g., an 8888 code to indicate data not collected for this subject and 9999 to indicate data missing for this variable), but the essential format of the variable remains unchanged.

Derived variables are developed by NACC from the original data collected. These variables provide new information that is collected indirectly from data in the UDS, the DICOM header, or the files provided by the Lab calculating the volumes — for example, **NACCNMRI** is a calculation of the total number of MRI sessions available at NACC for each UDS subject.

Revisions made to the RDD-ID since implementation

Date yyyy-mm-dd	Description	Data element(s) affected
2019-08-08	Data type, allowable codes, and description corrected	NACCDICO, NACCNIFT
2019-07-26	Mismatched variable names revised	LINFTEMP-RINFTEMP, LINSULA-RINSULA, LLATORBF-RLATORBF, LMEDORBF-RMEDORBF, LMIDTEMP-RMIDTEMP, LPARSOP-RPARSOP, LPERCAL-RPERCAL, LINSULAM-RINSULAM, LLATORBM-RLATORBM, LMEDORBM-RMEDORBM, LMIDTEMM-RMIDTEMM, LPARSOPM-RPARSOPM, LPERCALM-RPERCALM
2019-07-26	Number of decimal places allowed corrected from four to three	NACCICV, NACCWMVL, NACCB RN V
2019-06-11	New MRI volume measurement variables added	SEE SECS. 3A – 3C
2019-03-01	NACCMRSA added NACCNAPT replaced by NACCNAPA NACCAPET replaced by NACCAPSA	NACCMRSA, NACCNAPT, NACCNAPA, NACCAPET, NACCAPSA
2017-12-12	Variable added	LIGANDN
2017-06-16	Variable removed	NACCMRI
2017-06-16	Two variables added	NACCDICO, NACCNIFT

Table of variables

Section 1: MRI scan date data

	Variable name	Short descriptor	Data type	Data source
1	NACCDICO	DICOM image file available (y/n)	Numeric longitudinal	NACC derived
2	NACCNIFT	NIfTI image file available (y/n)	Numeric longitudinal	NACC derived
3	MRIMO	Month MRI performed	Numeric longitudinal	MRI DICOM header
4	MRIDY	Day MRI performed	Numeric longitudinal	MRI DICOM header
5	MRIYR	Year MRI performed	Numeric longitudinal	MRI DICOM header
6	NACCMRIA	Subject age at time of MRI	Numeric longitudinal	NACC derived
7	NACCMRFI	File locator variable	Character longitudinal	NACC derived
8	NACCNMRI	Total number of MRI sessions	Numeric cross-sectional	NACC derived
9	NACCMNUM	MRI session in chronological order	Numeric longitudinal	NACC derived
10	NACCMRDY	Days between MRI session and closest UDS visit	Numeric longitudinal	NACC derived
11	NACCMRSA	At least one MRI scan available	Numeric longitudinal	NACC derived

Section 2: MRI scan type and series-associated data

	Variable name	Short descriptor	Data type	Data source
11	MRIT1	MRI sequence type — T1	Numeric longitudinal	MRI DICOM header
12	MRIT2	MRI sequence type — T2	Numeric longitudinal	MRI DICOM header
13	MRIDTI	MRI sequence type — DTI	Numeric longitudinal	MRI DICOM header
14	MRIDWI	MRI sequence type — DWI	Numeric longitudinal	MRI DICOM header
15	MRIFLAIR	MRI sequence type — FLAIR	Numeric longitudinal	MRI DICOM header
16	MRIOTHER	MRI sequence type — other	Numeric longitudinal	MRI DICOM header
17	MRIFIELD	Magnetic field strength (T)	Numeric longitudinal	MRI DICOM header
18	MRIMANU	Manufacturer	Numeric longitudinal	MRI DICOM header
19	MRIMODL	Manufacturer's model name	Numeric longitudinal	MRI DICOM header

Section 3: MRI calculated summary data

Section 3a. Gross brain volumes

	Variable name	Short descriptor	Data type	Data source
20	NACCMVOL	Calculated summary data available (y / n)	Numeric longitudinal	NACC derived
21	NACCICV	Total intracranial volume (cc)	Numeric longitudinal	NACC derived
22	NACCWMVL	Total white matter volume (cc)	Numeric longitudinal	NACC derived
23	NACCB RN V	Total brain volume (cc)	Numeric longitudinal	NACC derived
24	CSFVOL	Total brain cerebrospinal fluid volume (cc)	Numeric longitudinal	IDeA Lab
25	GRAYVOL	Total brain gray matter volume (cc)	Numeric longitudinal	IDeA Lab
26	WHITEVOL	Total brain white matter volume (cc)	Numeric longitudinal	IDeA Lab
27	WMHVOL	Total brain white matter hyperintensity volume (cc)	Numeric longitudinal	IDeA Lab
28	CEREALL	Total cerebrum cranial volume (cc)	Numeric longitudinal	IDeA Lab
29	CERETISS	Total cerebrum brain volume (cc)	Numeric longitudinal	IDeA Lab
30	CERECSF	Total cerebrum cerebrospinal fluid volume (cc)	Numeric longitudinal	IDeA Lab
31	CEREGR	Total cerebrum gray matter volume (cc)	Numeric longitudinal	IDeA Lab
32	CEREWH	Total cerebrum white matter volume (cc)	Numeric longitudinal	IDeA Lab
33	LHIPPO	Segmented left hippocampus volume (cc)	Numeric longitudinal	IDeA Lab
34	RHIPPO	Segmented right hippocampus volume (cc)	Numeric longitudinal	IDeA Lab
35	HIPPOVOL	Segmented total hippocampi volume (cc)	Numeric longitudinal	IDeA Lab
36	LLATVENT	Segmented left lateral ventricle volume (cc)	Numeric longitudinal	IDeA Lab
37	RLATVENT	Segmented right lateral ventricle volume (cc)	Numeric longitudinal	IDeA Lab
38	LATVENT	Segmented total lateral ventricle volume (cc)	Numeric longitudinal	IDeA Lab
39	THIRVENT	Segmented total third ventricle volume (cc)	Numeric longitudinal	IDeA Lab
40	LFRFCORT	Segmented left frontal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
41	RFRFCORT	Segmented right frontal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab

	Variable name	Short descriptor	Data type	Data source
42	FRCORT	Segmented total frontal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
43	LOCCORT	Segmented left occipital lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
44	ROCCORT	Segmented right occipital lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
45	OCCORT	Segmented total occipital lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
46	LPARCORT	Segmented left parietal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
47	RPARCORT	Segmented right parietal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
48	PARCORT	Segmented total parietal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
49	LTEPCOR	Segmented left temporal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
50	RTEPCOR	Segmented right temporal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab
51	TEPCOR	Segmented total temporal lobe cortical gray matter volume (cc)	Numeric longitudinal	IDeA Lab

Section 3b. Regional gray matter volumes

52	LCAC	Left caudal anterior cingulate gray matter volume (cc)	Numeric longitudinal	IDeA Lab
53	RCAC	Right caudal anterior cingulate gray matter volume (cc)	Numeric longitudinal	IDeA Lab
54	LCMF	Left caudal middle frontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
55	RCMF	Right caudal middle frontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
56	LCUN	Left cuneus gray matter volume (cc)	Numeric longitudinal	IDeA Lab
57	RCUN	Right cuneus gray matter volume (cc)	Numeric longitudinal	IDeA Lab
58	LENT	Left entorhinal gray matter volume (cc)	Numeric longitudinal	IDeA Lab

	Variable name	Short descriptor	Data type	Data source
59	RENT	Right entorhinal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
60	LFUS	Left fusiform gray matter volume (cc)	Numeric longitudinal	IDeA Lab
61	RFUS	Right fusiform gray matter volume (cc)	Numeric longitudinal	IDeA Lab
62	LINFPAR	Left inferior parietal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
63	RINFPAR	Right inferior parietal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
64	LINFTEMP	Left inferior temporal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
65	RINFTEMP	Right inferior temporal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
66	LINSULA	Left insula gray matter volume (cc)	Numeric longitudinal	IDeA Lab
67	RINSULA	Right insula gray matter volume (cc)	Numeric longitudinal	IDeA Lab
68	LISTHC	Left isthmus cingulate gray matter volume (cc)	Numeric longitudinal	IDeA Lab
69	RISTHC	Right isthmus cingulate gray matter volume (cc)	Numeric longitudinal	IDeA Lab
70	LLATOCC	Left lateral occipital gray matter volume (cc)	Numeric longitudinal	IDeA Lab
71	RLATOCC	Right lateral occipital gray matter volume (cc)	Numeric longitudinal	IDeA Lab
72	LLATORBF	Left lateral orbitofrontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
73	RLATORBF	Right lateral orbitofrontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
74	LLING	Left lingual gray matter volume (cc)	Numeric longitudinal	IDeA Lab
75	RLING	Right lingual gray matter volume (cc)	Numeric longitudinal	IDeA Lab
76	LMEDORBF	Left medial orbitofrontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
77	RMEDORBF	Right medial orbitofrontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
78	LMIDTEMP	Left middle temporal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
79	RMIDTEMP	Right middle temporal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
80	LPARCEN	Left paracentral gray matter volume (cc)	Numeric longitudinal	IDeA Lab
81	RPARCEN	Right paracentral gray matter volume (cc)	Numeric longitudinal	IDeA Lab
82	LPARHIP	Left parahippocampal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
83	RPARHIP	Right parahippocampal gray matter volume (cc)	Numeric longitudinal	IDeA Lab

	Variable name	Short descriptor	Data type	Data source
84	LPARSOP	Left pars opercularis gray matter volume (cc)	Numeric longitudinal	IDeA Lab
85	RPARSOP	Right pars opercularis gray matter volume (cc)	Numeric longitudinal	IDeA Lab
86	LPARORB	Left pars orbitalis gray matter volume (cc)	Numeric longitudinal	IDeA Lab
87	RPARORB	Right pars orbitalis gray matter volume (cc)	Numeric longitudinal	IDeA Lab
88	LPARTRI	Left pars triangularis gray matter volume (cc)	Numeric longitudinal	IDeA Lab
89	RPARTRI	Right pars triangularis gray matter volume (cc)	Numeric longitudinal	IDeA Lab
90	LPERCAL	Left pericalcarine gray matter volume (cc)	Numeric longitudinal	IDeA Lab
91	RPERCAL	Right pericalcarine gray matter volume (cc)	Numeric longitudinal	IDeA Lab
92	LPOSCEN	Left postcentral gray matter volume (cc)	Numeric longitudinal	IDeA Lab
93	RPOSCEN	Right postcentral gray matter volume (cc)	Numeric longitudinal	IDeA Lab
94	LPOSCIN	Left posterior cingulate gray matter volume (cc)	Numeric longitudinal	IDeA Lab
95	RPOSCIN	Right posterior cingulate gray matter volume (cc)	Numeric longitudinal	IDeA Lab
96	LPRECEN	Left precentral gray matter volume (cc)	Numeric longitudinal	IDeA Lab
97	RPRECEN	Right precentral gray matter volume (cc)	Numeric longitudinal	IDeA Lab
98	LPRECUN	Left precuneus gray matter volume (cc)	Numeric longitudinal	IDeA Lab
99	RPRECUN	Right precuneus gray matter volume (cc)	Numeric longitudinal	IDeA Lab
100	LROSANC	Left rostral anterior cingulate gray matter volume (cc)	Numeric longitudinal	IDeA Lab
101	RROSANC	Right rostral anterior cingulate gray matter volume (cc)	Numeric longitudinal	IDeA Lab
102	LROSMF	Left rostral middle frontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
103	RROSMF	Right rostral middle frontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
104	LSUPFR	Left superior frontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
105	RSUPFR	Right superior frontal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
106	LSUPPAR	Left superior parietal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
107	RSUPPAR	Right superior parietal gray matter volume (cc)	Numeric longitudinal	IDeA Lab

	Variable name	Short descriptor	Data type	Data source
108	LSUPTM	Left superior temporal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
109	RSUPTM	Right superior temporal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
110	LSUPMAR	Left supramarginal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
111	RSUPMAR	Right supramarginal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
112	LTRTEM	Left transverse temporal gray matter volume (cc)	Numeric longitudinal	IDeA Lab
113	RTRTEM	Right transverse temporal gray matter volume (cc)	Numeric longitudinal	IDeA Lab

Section 3c. Regional cortical thicknesses

114	LCACM	Left caudal anterior cingulate mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
115	RCACM	Right caudal anterior cingulate mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
116	LCMFM	Left caudal middle frontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
117	RCMFM	Right caudal middle frontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
118	LCUNM	Left cuneus mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
119	RCUNM	Right cuneus mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
120	LENTM	Left entorhinal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
121	RENTM	Right entorhinal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
122	LFUSM	Left fusiform mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
123	RFUSM	Right fusiform mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
124	LINFARM	Left inferior parietal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
125	RINFARM	Right inferior parietal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
126	LINFTEMM	Left inferior temporal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
127	RINFTEMM	Right inferior temporal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab

	Variable name	Short descriptor	Data type	Data source
128	LINSULAM	Left insula mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
129	RINSULAM	Right insula mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
130	LISTHCM	Left isthmus cingulate mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
131	RISTHCM	Right isthmus cingulate mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
132	LLATOCCM	Left lateral occipital mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
133	RLATOCCM	Right lateral occipital mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
134	LLATORBM	Left lateral orbitofrontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
135	RLATORBM	Right lateral orbitofrontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
136	LLINGM	Left lingual mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
137	RLINGM	Right lingual mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
138	LMEDORBM	Left medial orbitofrontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
139	RMEDORBM	Right medial orbitofrontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
140	LMIDTEMM	Left middle temporal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
141	RMIDTEMM	Right middle temporal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
142	LPARCENM	Left paracentral mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
143	RPARCENM	Right paracentral mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
144	LPARHIPM	Left parahippocampal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
145	RPARHIPM	Right parahippocampal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
146	LPARSOPM	Left pars opercularis mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab

	Variable name	Short descriptor	Data type	Data source
147	RPARSOPM	Right pars opercularis mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
148	LPARORBM	Left pars orbitalis mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
149	RPARORBM	Right pars orbitalis mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
150	LPARTRIM	Left pars triangularis mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
151	RPARTRIM	Right pars triangularis mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
152	LPERCALM	Left pericalcarine mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
153	RPERCALM	Right pericalcarine mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
154	LPOSCENM	Left postcentral mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
155	RPOSCENM	Right postcentral mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
156	LPOSCINM	Left posterior cingulate mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
157	RPOSCINM	Right posterior cingulate mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
158	LPRECENM	Left precentral mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
159	RPRECENM	Right precentral mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
160	LPRECUNM	Left precuneus mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
161	RPRECUNM	Right precuneus mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
162	LROSANCM	Left rostral anterior cingulate mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
163	RROSANCM	Right rostral anterior cingulate mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
164	LROSMFM	Left rostral middle frontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
165	RROSMFM	Right rostral middle frontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
166	LSUPFRM	Left superior frontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
167	RSUPFRM	Right superior frontal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab

	Variable name	Short descriptor	Data type	Data source
168	LSUPPARM	Left superior parietal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
169	RSUPPARM	Right superior parietal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
170	LSUPTERM	Left superior temporal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
171	RSUPTERM	Right superior temporal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
172	LSUPMARM	Left supramarginal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
173	RSUPMARM	Right supramarginal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
174	LTRTEMM	Left transverse temporal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab
175	RTRTEMM	Right transverse temporal mean cortical thickness (mm)	Numeric longitudinal	IDeA Lab

Section 4: PET scan data

176	APETMO	Month amyloid PET scan performed	Numeric longitudinal	PET DICOM header
177	APETDY	Day amyloid PET scan performed	Numeric longitudinal	PET DICOM header
178	APETYR	Year amyloid PET scan performed	Numeric longitudinal	PET DICOM header
179	NACCAPTA	Subject age at time of amyloid PET scan	Numeric longitudinal	NACC derived
19-	NACCPTF	Amyloid PET scan file locator variable	Character longitudinal	NACC derived
181	NACCAPNM	Amyloid PET scan in chronological order	Numeric longitudinal	NACC derived
182	NACCPTD	Days between amyloid PET scan and closest UDS visit	Numeric longitudinal	NACC derived
183	APETMANU	Manufacturer	Numeric longitudinal	PET DICOM header
184	APETMODL	Manufacturer's model name	Numeric longitudinal	PET DICOM header
185	NACCNAPA	Total number of amyloid PET scans available	Numeric cross-sectional	NACC derived

	Variable name	Short descriptor	Data type	Data source
186	NACCAPSA	At least one amyloid PET scan available (y/n)	Numeric cross-sectional	NACC derived
187	LIGANDN	Amyloid tracer used for PET scan	Numeric longitudinal	ADC

Variable definitions

Section 1: MRI scan date information

1	Variable name	NACCDICO
	Short descriptor	DICOM image file available (y/n)
	Data type	Numeric longitudinal
	Data source	NACC derived
	Allowable codes	0 = No, MRI DICOM format not available 1 = Yes, MRI DICOM format available
	Description/ derivation	This variable flags MRI scans that are available in DICOM format.
2	Variable name	NACCNIFT
	Short descriptor	NIfTI image file available (y/n)
	Data type	Numeric longitudinal
	Data source	NACC derived
	Allowable codes	0 = No, MRI NIfTI format not available 1 = Yes, MRI NIfTI format available
	Description/ derivation	This variable flags MRI scans that are available in NIfTI format.
3	Variable name	MRIMO
	Short descriptor	Month MRI performed
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	0–12 88 = Not applicable / no MRI available
	Description/ derivation	This variable indicates the month during which the MRI was performed.
4	Variable name	MRIDY
	Short descriptor	Day MRI performed
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	0–31 88 = Not applicable / no MRI available
	Description/ derivation	This variable indicates the day of the month during which the MRI was performed.
5	Variable name	MRIYR
	Short descriptor	Year MRI performed
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	2000 – current year 8888 = Not applicable / no MRI available
	Description/ derivation	This variable indicates the year during which the MRI was performed.

6	Variable name	NACCMRIA
	Short descriptor	Subject age at time of MRI
	Data type	Numeric longitudinal
	Data source	NACC derived
	Allowable codes	18–120 888 = Not applicable / no MRI available
	Description / derivation	This variable provides the subject's age at the time of the MRI session. Birth month and birth year are required elements in the UDS; however, birth day is not collected. To calculate age at MRI, birth day is set to 1 for all UDS subjects, and NACCMRIA is computed as MRI date – birth date.
7	Variable name	NACCMRFI
	Short descriptor	MRI file locator variable
	Data type	Character longitudinal
	Data source	NACC derived
	Allowable codes	“MRI” followed by four digits and “.zip” Blank = No file available / no MRI available
	Description / derivation	This variable provides a unique identifier for the MRI zip file.
8	Variable name	NACCNMRI
	Short descriptor	Total number of MRI sessions
	Data type	Numeric cross-sectional
	Data source	NACC derived
	Allowable codes	1–20 88 = Not applicable / no MRI available
	Description / derivation	This variable provides the number of MRI sessions a UDS subject has in the NACC database, regardless of time between sessions. Note that while this variable is listed for all visits, it does not change across visits; it is cross-sectional.
9	Variable name	NACCMNUM
	Short descriptor	MRI session in chronological order
	Data type	Numeric longitudinal
	Data source	NACC derived
	Allowable codes	1–20 88 = Not applicable / no MRI available
	Description / derivation	This variable assigns a number to each MRI session per subject ID, in chronological order, beginning with the first MRI available at NACC.

10	Variable name	NACCMRDY
	Short descriptor	Days between MRI and closest UDS visit
	Data type	Numeric longitudinal
	Data source	NACC derived
	Allowable codes	-3650 to 3650 8888 = Not applicable / no MRI available
	Description / derivation	This variable is the MRI date minus the <i>closest</i> UDS visit date for every MRI. For MRI sessions the closest visit date, NACCMRDY < 0, and for MRI sessions after the closest visit date, NACCMRDY > 0.
11	Variable name	NACCMRSA
	Short descriptor	At least one MRI scan available
	Data type	Numeric cross-sectional
	Data source	NACC derived
	Allowable codes	0 = No; does not have at least one MRI available at NACC 1 = Yes; has at least one MRI available at NACC
	Description / derivation	Records the volume of temporal CSF for a given MRI.

Section 2: MRI sequence type and other series-associated data

11	Variable name	MRIT1
	Short descriptor	MRI sequence type — T1
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	0 = T1 not available 1 = T1 available 8 = Not applicable / no MRI available
	Description / derivation	This variable is determined from the DICOM tag (0008,103E) “Series Description” in the MR image header.
12	Variable name	MRIT2
	Short descriptor	MRI sequence type — T2
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	0 = T2 not available 1 = T2 available 8 = Not applicable / no MRI available
	Description / derivation	This variable is determined from the DICOM tag (0008,103E) “Series Description” in the MR image header.

13	Variable name	MRIDTI
	Short descriptor	MRI sequence type — DTI
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	0 = DTI not available 1 = DTI available 8 = Not applicable/no MRI available
	Description / derivation	This variable is determined from the DICOM tag (0008,103E) “Series Description” in the MR image header.
14	Variable name	MRIDWI
	Short descriptor	MRI sequence type — DWI
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	0 = DWI not available 1 = DWI available 8 = Not applicable/no MRI available
	Description / derivation	This variable is determined from the DICOM tag (0008,103E) “Series Description” in the MR image header.
15	Variable name	MRIFLAIR
	Short descriptor	MRI sequence type — FLAIR
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	0 = Flair not available 1 = Flair available 8 = Not applicable/no MRI available
	Description / derivation	This variable is determined from the DICOM tag (0008,103E) “Series Description” in the MR image header.
16	Variable name	MRIOOTHER
	Short descriptor	MRI sequence type — other
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	0 = Other scan type not available 1 = Other scan type available 8 = Not applicable/no MRI available
	Description / derivation	This variable is determined from the DICOM tag (0008,103E) “Series Description” in the MR image header.

17	Variable name	MRIFIELD
	Short descriptor	Magnetic field strength (T)
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	1 = 1.5 2 = 3.0 5 = Other 7 = Field strength varies across images 8 = Not applicable/no MRI available 9 = Missing/unknown
	Description / derivation	<p>This variable is derived from the DICOM tag (0018,0087) “Magnetic field strength” in the MR image header. Where applicable, units of gauss were converted to tesla (1 gauss = 1×10^4 T).</p> <p>Note: The format of the DICOM header data is not consistent across Centers, sessions, sequences, and possibly even images within a given sequence. To help identify images with certain technical properties, NACC has created this variable from text strings contained within the DICOM tags. Analysts should confirm these data by examining the DICOM header data.</p>
18	Variable name	MRIMANU
	Short descriptor	Manufacturer
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	1 = GE 2 = Siemens 3 = Phillips 5 = Other 8 = Not applicable/no MRI available 9 = Missing/unknown
	Description / derivation	<p>This variable is determined from the DICOM tag (0008,0070) “Manufacturer” in the MR image header.</p> <p>Note: The format of the DICOM header data is not consistent across Centers, sessions, sequences, and possibly even images within a given sequence. To help identify images with certain technical properties, NACC has created this variable from text strings contained within the DICOM tags. Analysts should confirm these data by examining the DICOM header data.</p>

19	Variable name	MRIMODL
	Short descriptor	Manufacturer's model name
	Data type	Numeric longitudinal
	Data source	MRI DICOM header
	Allowable codes	1 = DISCOVERY MR 750 2 = GENESIS SIGNA 3 = SIGNA HDxt 4 = Trio Tim 5 = Eclipse 1.5T 6 = Allegra 7 = SIGNA EXCITE 8 = SIGNA 9 = GEMINI 10 = Ingenuity 11 = Sonata 12 = Skyra 13 = Signa HDx 14 = Achieva 15 = Prisma 16 = Verio 88 = Not applicable/ no MRI available 99 = Missing/unknown
	Description / derivation	This variable is determined from the DICOM tag (0008,1090) "Manufacturer's model name" in the MR image header. Note: The format of the DICOM header data is not consistent across Centers, sessions, sequences, and possibly even images within a given sequence. To help identify images with certain technical properties, NACC has created this variable from text strings contained within the DICOM tags. Analysts should confirm these data by examining the DICOM header data.

Section 3: MRI calculated summary data

Calculated summary data for NACC MRIs are provided by the IDEa Lab at University of California, Davis. All original total and lobar volumes are calculated per the ADNI four-tissue segmentation protocol, and hippocampal volume is calculated per the EADC-ADNI harmonized protocol. Documents describing calculation methods and protocols are provided to the investigator at the time of the data request.

Section 3a. Gross volume definitions

20	Variable name	NACCMVOL
	Short descriptor	Calculated summary data available (y / n)
	Data type	Numeric longitudinal
	Data source	NACC derived
	Missing codes	0 = No, calculated summary data available for this MRI 1 = Yes, calculated summary data is available for this MRI 8 = Not applicable / no MRI available
	Description / derivation	Indicates MRIs with corresponding calculated summary data available.
	<hr/>	
21	Variable name	NACCICV
	Short descriptor	Total intracranial volume (cc)
	Data type	Numeric longitudinal
	Data source	NACC derived
	Variable length	XXXX.XXX
	Missing codes	8888.888 = Not applicable / no MRI available / calculations not performed 9999.999 = Missing / could not calculate
	Description / derivation	Records the total intracranial volume for a given MRI by summing gray matter, white matter, CSF, and white matter hyperintensities (NACCICV=GRAYVOLI + WHITEVOL + CSFVOLI + WMHVOL). NACCICV also represents the total image segmentation volume for a given MRI, per the ADNI four-tissue segmentation protocol.
<hr/>		
22	Variable name	NACCWMVL
	Short descriptor	Total white matter volume (cc)
	Data type	Numeric longitudinal
	Data source	NACC derived
	Variable length	XXXX.XXX
	Missing codes	8888.888 = Not applicable / no MRI available / calculations not performed 9999.999 = Missing / could not calculate
	Description / derivation	Total white matter volume is calculated by summing white matter volume and white matter hyperintensity volume (NACCWMVL = WHITEVOL + WMHVOL).

23	Variable name	NACCB RN V
	Short descriptor	Total brain volume (cc)
	Data type	Numeric longitudinal
	Data source	NACC derived
	Variable length	XXXX.XXX
	Missing codes	8888.888 = Not applicable / no MRI available / calculations not performed 9999.999 = Missing / could not calculate
	Description / derivation	Records the total brain volume for a given MRI by summing the gray and white matter (NACCB RN V=GRAYVOL+ WHITEVOL).
24	Variable name	CSFVOL
	Short descriptor	Total brain cerebrospinal fluid volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXXX.XXXX
	Missing codes	8888.8888 = Not applicable / no MRI available / calculations not performed 9999.9999 = Missing / could not calculate
	Description / derivation	Records the volume of intracranial cerebrospinal fluid (CSF) for a given MRI.
25	Variable name	GRAYVOL
	Short descriptor	Total brain gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXXX.XXXX
	Missing codes	8888.8888 = Not applicable / no MRI available / calculations not performed 9999.9999 = Missing / could not calculate
	Description / derivation	Records the total volume of gray matter for a given MRI.
26	Variable name	WHITEVOL
	Short descriptor	Total brain white matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXXX.XXXX
	Missing codes	8888.8888 = Not applicable / no MRI available / calculations not performed 9999.9999 = Missing / could not calculate
	Description / derivation	Records the total volume of white matter for a given MRI.
27	Variable name	WMHVOL

	Short descriptor	Total brain white matter hyperintensity volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the volume of white matter hyperintensities for a given MRI.
28	Variable name	CEREALL
	Short descriptor	Total cerebrum cranial volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXXX.XXXX
	Missing codes	8888.8888 = Not applicable / no MRI available / calculations not performed 9999.9999 = Missing / could not calculate
	Description / derivation	Records the total cerebrum cranial volume for a given MRI.
29	Variable name	CERETISS
	Short descriptor	Total cerebrum brain volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXXX.XXXX
	Missing codes	8888.8888 = Not applicable / no MRI available / calculations not performed 9999.9999 = Missing / could not calculate
	Description / derivation	Records the total cerebrum brain volume for a given MRI.
30	Variable name	CERECSF
	Short descriptor	Total cerebrum cerebrospinal fluid volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXXX.XXXX
	Missing codes	8888.8888 = Not applicable / no MRI available / calculations not performed 9999.9999 = Missing / could not calculate
	Description / derivation	Records the total cerebrum cerebrospinal fluid volume for a given MRI.
31	Variable name	CEREGR
	Short descriptor	Total cerebrum gray matter volume (cc)

	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXXX.XXXX
	Missing codes	8888.8888 = Not applicable / no MRI available / calculations not performed 9999.9999 = Missing / could not calculate
	Description / derivation	Records the total cerebrum gray matter volume for a given MRI.
32	Variable name	CEREWH
	Short descriptor	Total cerebrum white matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXXX.XXXX
	Missing codes	8888.8888 = Not applicable / no MRI available / calculations not performed 9999.9999 = Missing / could not calculate
	Description / derivation	Records the total cerebrum white matter volume for a given MRI.
33	Variable name	LHIPPO
	Short descriptor	Segmented left hippocampus volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the segmented left hippocampus volume for a given MRI.
34	Variable name	RHIPPO
	Short descriptor	Segmented right hippocampus volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the segmented right hippocampus volume for a given MRI.
35	Variable name	HIPPOVOL
	Short descriptor	Segmented total hippocampi volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the segmented total hippocampi volume for a given MRI.
36	Variable name	LLATVENT
	Short descriptor	Segmented left lateral ventricle volume (cc)
	Data type	Numeric longitudinal

	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented left lateral ventricle volume for a given MRI.
37	Variable name	RLATVENT
	Short descriptor	Segmented right lateral ventricle volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented right lateral ventricle volume for a given MRI.
38	Variable name	LATVENT
	Short descriptor	Segmented total lateral ventricle volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented total lateral ventricle volume for a given MRI.
39	Variable name	THIRVENT
	Short descriptor	Segmented total third ventricle volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the segmented total third ventricle volume for a given MRI.
40	Variable name	LFRCORT
	Short descriptor	Segmented left frontal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented left frontal lobe cortical gray matter volume for a given MRI.
41	Variable name	RFRCORT
	Short descriptor	Segmented right frontal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal

	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented right frontal lobe cortical gray matter volume for a given MRI.
42	Variable name	FRCORT
	Short descriptor	Segmented total frontal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented total frontal lobe cortical gray matter volume for a given MRI.
43	Variable name	LOCCORT
	Short descriptor	Segmented left occipital lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented left occipital lobe cortical gray matter volume for a given MRI.
44	Variable name	ROCCORT
	Short descriptor	Segmented right occipital lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented right occipital lobe cortical gray matter volume for a given MRI.
45	Variable name	OCCORT
	Short descriptor	Segmented total occipital lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal

	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented total occipital lobe cortical gray matter volume for a given MRI.
46	Variable name	LPARCORT
	Short descriptor	Segmented left parietal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented left parietal lobe cortical gray matter volume for a given MRI.
47	Variable name	RPARCORT
	Short descriptor	Segmented right parietal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented right parietal lobe cortical gray matter volume for a given MRI.
48	Variable name	PARCORT
	Short descriptor	Segmented total parietal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented total parietal lobe cortical gray matter volume for a given MRI.
49	Variable name	LTEMPCOR
	Short descriptor	Segmented left temporal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal

	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented left temporal lobe cortical gray matter volume for a given MRI.
50	Variable name	RTEPCOR
	Short descriptor	Segmented right temporal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented right temporal lobe cortical gray matter volume for a given MRI.
51	Variable name	TEPCOR
	Short descriptor	Segmented total temporal lobe cortical gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XXX.XXXX
	Missing codes	888.8888 = Not applicable / no MRI available / calculations not performed 999.9999 = Missing / could not calculate
	Description / derivation	Records the segmented total temporal lobe cortical gray matter volume for a given MRI.

Section 3b: Regional gray matter volumes

52	Variable name	LCAC
	Short descriptor	Left caudal anterior cingulate gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left caudal anterior cingulate gray matter volume for a given MRI.
53	Variable name	RCAC
	Short descriptor	Right caudal anterior cingulate gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right caudal anterior cingulate gray matter volume for a given MRI.
54	Variable name	LCMF
	Short descriptor	Left caudal middle frontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left caudal middle frontal gray matter volume for a given MRI.
55	Variable name	RCMF
	Short descriptor	Right caudal middle frontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right caudal middle frontal gray matter volume for a given MRI.
56	Variable name	LCUN
	Short descriptor	Left cuneus gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left cuneus gray matter volume for a given MRI.

57	Variable name	RCUN
	Short descriptor	Right cuneus gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right cuneus gray matter volume for a given MRI.
58	Variable name	LENT
	Short descriptor	Left entorhinal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left entorhinal gray matter volume for a given MRI.
59	Variable name	RENT
	Short descriptor	Right entorhinal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right entorhinal gray matter volume for a given MRI.
60	Variable name	LFUS
	Short descriptor	Left fusiform gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left fusiform gray matter volume for a given MRI.
61	Variable name	RFUS
	Short descriptor	Right fusiform gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right fusiform gray matter volume for a given MRI.

62	Variable name	LINFPAR
	Short descriptor	Left inferior parietal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left inferior parietal gray matter volume for a given MRI.
63	Variable name	RINFPAR
	Short descriptor	Right inferior parietal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right inferior parietal gray matter volume for a given MRI.
64	Variable name	LINFTEMP
	Short descriptor	Left inferior temporal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left inferior temporal gray matter volume for a given MRI.
65	Variable name	RINFTEMP
	Short descriptor	Right inferior temporal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right inferior temporal gray matter volume for a given MRI.
66	Variable name	LINSULA
	Short descriptor	Left insula gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left insula gray matter volume for a given MRI.

67	Variable name	RINSULA
	Short descriptor	Right insula gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right insula gray matter volume for a given MRI.
68	Variable name	LISTHC
	Short descriptor	Left isthmus cingulate gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left isthmus cingulate gray matter volume for a given MRI.
69	Variable name	RISTHC
	Short descriptor	Right isthmus cingulate gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right isthmus cingulate gray matter volume for a given MRI.
70	Variable name	LLATOCC
	Short descriptor	Left lateral occipital gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left lateral occipital gray matter volume for a given MRI.
71	Variable name	RLATOCC
	Short descriptor	Right lateral occipital gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right lateral occipital gray matter volume for a given MRI.

72	Variable name	LLATORBF
	Short descriptor	Left lateral orbitofrontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left lateral orbitofrontal gray matter volume for a given MRI.
73	Variable name	RLATORBF
	Short descriptor	Right lateral orbitofrontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right lateral orbitofrontal gray matter volume for a given MRI.
74	Variable name	LLING
	Short descriptor	Left lingual gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left lingual gray matter volume for a given MRI.
75	Variable name	RLING
	Short descriptor	Right lingual gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right lingual gray matter volume for a given MRI.
76	Variable name	LMEDORBF
	Short descriptor	Left Medial Orbitofrontal Gray Matter Volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left medial orbitofrontal gray matter volume for a given MRI.

77	Variable name	RMEDORBF
	Short descriptor	Right medial orbitofrontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right medial orbitofrontal gray matter volume for a given MRI.
78	Variable name	LMIDTEMP
	Short descriptor	Left middle temporal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left middle temporal gray matter volume for a given MRI.
79	Variable name	RMIDTEMP
	Short descriptor	Right middle temporal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right middle temporal gray matter volume for a given MRI.
80	Variable name	LPARCEN
	Short descriptor	Left paracentral gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left paracentral gray matter volume for a given MRI.
81	Variable name	RPARCEN
	Short descriptor	Right paracentral gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right paracentral gray matter volume for a given MRI.

82	Variable name	LPARHIP
	Short descriptor	Left parahippocampal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left parahippocampal gray matter volume for a given MRI.
83	Variable name	RPARHIP
	Short descriptor	Right parahippocampal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right parahippocampal gray matter volume for a given MRI.
84	Variable name	LPARSOP
	Short descriptor	Left pars opercularis gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left pars opercularis gray matter volume for a given MRI.
85	Variable name	RPARSOP
	Short descriptor	Right pars opercularis gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right pars opercularis gray matter volume for a given MRI.
86	Variable name	LPARORB
	Short descriptor	Left pars orbitalis gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left pars orbitalis gray matter volume for a given MRI.

87	Variable name	RPARORB
	Short descriptor	Right pars orbitalis gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right pars orbitalis gray matter volume for a given MRI.
88	Variable name	LPARTRI
	Short descriptor	Left pars triangularis gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left pars triangularis gray matter volume for a given MRI.
89	Variable name	RPARTRI
	Short descriptor	Right pars triangularis gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right pars triangularis gray matter volume for a given MRI.
90	Variable name	LPERCAL
	Short descriptor	Left pericalcarine gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left pericalcarine gray matter volume for a given MRI.
91	Variable name	RPERCAL
	Short descriptor	Right pericalcarine gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right pericalcarine gray matter volume for a given MRI.

92	Variable name	LPOSCEN
	Short descriptor	Left postcentral gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left postcentral gray matter volume for a given MRI.
93	Variable name	RPOSCEN
	Short descriptor	Right postcentral gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right postcentral gray matter volume for a given MRI.
94	Variable name	LPOSCIN
	Short descriptor	Left posterior cingulate gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left posterior cingulate gray matter volume for a given MRI.
95	Variable name	RPOSCIN
	Short descriptor	Right posterior cingulate gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right posterior cingulate gray matter volume for a given MRI.
96	Variable name	LPRECEN
	Short descriptor	Left precentral gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left precentral gray matter volume for a given MRI.

97	Variable name	RPRECEN
	Short descriptor	Right precentral gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right precentral gray matter volume for a given MRI.
98	Variable name	LPRECUN
	Short descriptor	Left precuneus gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left precuneus gray matter volume for a given MRI.
99	Variable name	RPRECUN
	Short descriptor	Right precuneus gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right precuneus gray matter volume for a given MRI.
100	Variable name	LROSANC
	Short descriptor	Left rostral anterior cingulate gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left rostral anterior cingulate gray matter volume for a given MRI.
101	Variable name	RROSANC
	Short descriptor	Right rostral anterior cingulate gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right rostral anterior cingulate gray matter volume for a given MRI.

102	Variable name	LROSMF
	Short descriptor	Left rostral middle frontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left rostral middle frontal gray matter volume for a given MRI.
103	Variable name	RROSMF
	Short descriptor	Right rostral middle frontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right rostral middle frontal gray matter volume for a given MRI.
104	Variable name	LSUPFR
	Short descriptor	Left superior frontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left superior frontal gray matter volume for a given MRI.
105	Variable name	RSUPFR
	Short descriptor	Right superior frontal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right superior frontal gray matter volume for a given MRI.
106	Variable name	LSUPPAR
	Short descriptor	Left superior parietal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left superior parietal gray matter volume for a given MRI.

107	Variable name	RSUPPAR
	Short descriptor	Right superior parietal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right superior parietal gray matter volume for a given MRI.
108	Variable name	LSUPTEM
	Short descriptor	Left superior temporal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left superior temporal gray matter volume for a given MRI.
109	Variable name	RSUPTEM
	Short descriptor	Right superior temporal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right superior temporal gray matter volume for a given MRI.
110	Variable name	LSUPMAR
	Short descriptor	Left supramarginal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left supramarginal gray matter volume for a given MRI.
111	Variable name	RSUPMAR
	Short descriptor	Right supramarginal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right supramarginal gray matter volume for a given MRI.

112	Variable name	LTRTEM
	Short descriptor	Left transverse temporal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left transverse temporal gray matter volume for a given MRI.
113	Variable name	RTRTEM
	Short descriptor	Right transverse temporal gray matter volume (cc)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right transverse temporal gray matter volume for a given MRI.

Section 3c. Regional cortical thickness definitions

114	Variable name	LCACM
	Short descriptor	Left caudal anterior cingulate mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left caudal anterior cingulate mean cortical thickness for a given MRI.
115	Variable name	RCACM
	Short descriptor	Right caudal anterior cingulate mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right caudal anterior cingulate mean cortical thickness for a given MRI.
116	Variable name	LCMFM
	Short descriptor	Left caudal middle frontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left caudal middle frontal mean cortical thickness for a given MRI.
117	Variable name	RCMFM
	Short descriptor	Right caudal middle frontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right caudal middle frontal mean cortical thickness for a given MRI.

118	Variable name	LCUNM
	Short descriptor	Left cuneus mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left cuneus mean cortical thickness for a given MRI.
119	Variable name	RCUNM
	Short descriptor	Right cuneus mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right cuneus mean cortical thickness for a given MRI.
120	Variable name	LENTM
	Short descriptor	Left entorhinal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left entorhinal mean cortical thickness for a given MRI.
121	Variable name	RENTM
	Short descriptor	Right entorhinal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right entorhinal mean cortical thickness for a given MRI.
122	Variable name	LFUSM
	Short descriptor	Left fusiform mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left fusiform mean cortical thickness for a given MRI.

123	Variable name	RFUSM
	Short descriptor	Right fusiform mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right fusiform mean cortical thickness for a given MRI.
124	Variable name	LINFARM
	Short descriptor	Left inferior parietal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left inferior parietal mean cortical thickness for a given MRI.
125	Variable name	RINFARM
	Short descriptor	Right inferior parietal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right inferior parietal mean cortical thickness for a given MRI.
126	Variable name	LINFTEMM
	Short descriptor	Left inferior temporal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left inferior temporal mean cortical thickness for a given MRI.
127	Variable name	RINFTEMM
	Short descriptor	Right inferior temporal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right inferior temporal mean cortical thickness for a given MRI.

128	Variable name	LINSULAM
	Short descriptor	Left insula mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left insula mean cortical thickness for a given MRI.
129	Variable name	RINSULAM
	Short descriptor	Right insula mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right insula mean cortical thickness for a given MRI.
130	Variable name	LISTHCM
	Short descriptor	Left isthmus cingulate mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left isthmus cingulate mean cortical thickness for a given MRI.
131	Variable name	RISTHCM
	Short descriptor	Right isthmus cingulate mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right isthmus cingulate mean cortical thickness for a given MRI.
132	Variable name	LLATOCCM
	Short descriptor	Left lateral occipital mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left lateral occipital mean cortical thickness for a given MRI.

133	Variable name	RLATOCM
	Short descriptor	Right lateral occipital mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right lateral occipital mean cortical thickness for a given MRI.
134	Variable name	LLATORBM
	Short descriptor	Left lateral orbitofrontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left lateral orbitofrontal mean cortical thickness for a given MRI.
135	Variable name	RLATORBM
	Short descriptor	Right lateral orbitofrontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right lateral orbitofrontal mean cortical thickness for a given MRI.
136	Variable name	LLINGM
	Short descriptor	Left lingual mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left lingual mean cortical thickness for a given MRI.
137	Variable name	RLINGM
	Short descriptor	Right lingual mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right lingual mean cortical thickness for a given MRI.

138	Variable name	LMEDORB
	Short descriptor	Left medial orbitofrontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left medial orbitofrontal mean cortical thickness for a given MRI.
139	Variable name	RMEDORB
	Short descriptor	Right medial orbitofrontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right medial orbitofrontal mean cortical thickness for a given MRI.
140	Variable name	LMIDTEMM
	Short descriptor	Left middle temporal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left middle temporal mean cortical thickness for a given MRI.
141	Variable name	RMIDTEMM
	Short descriptor	Right middle temporal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right middle temporal mean cortical thickness for a given MRI.
142	Variable name	LPARCENM
	Short descriptor	Left paracentral mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left paracentral mean cortical thickness for a given MRI.

143	Variable name	RPARCENM
	Short descriptor	Right paracentral mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right paracentral mean cortical thickness for a given MRI.
144	Variable name	LPARHIPM
	Short descriptor	Left parahippocampal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left parahippocampal mean cortical thickness for a given MRI.
145	Variable name	RPARHIPM
	Short descriptor	Right parahippocampal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right parahippocampal mean cortical thickness for a given MRI.
146	Variable name	LPARSOPM
	Short descriptor	Left pars opercularis mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left pars opercularis mean cortical thickness for a given MRI.
147	Variable name	RPARSOPM
	Short descriptor	Right pars opercularis mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right pars opercularis mean cortical thickness for a given MRI.

148	Variable name	LPARORB
	Short descriptor	Left pars orbitalis mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left pars orbitalis mean cortical thickness for a given MRI.
149	Variable name	RPARORB
	Short descriptor	Right pars orbitalis mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right pars orbitalis mean cortical thickness for a given MRI.
150	Variable name	LPARTRIM
	Short descriptor	Left pars triangularis mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left pars triangularis mean cortical thickness for a given MRI.
151	Variable name	RPARTRIM
	Short descriptor	Right pars triangularis mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right pars triangularis mean cortical thickness for a given MRI.
152	Variable name	LPERCALM
	Short descriptor	Left pericalcarine mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left pericalcarine mean cortical thickness for a given MRI.

153	Variable name	RPERCALM
	Short descriptor	Right pericalcarine mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right pericalcarine mean cortical thickness for a given MRI.
154	Variable name	LPOSCENM
	Short descriptor	Left postcentral mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left postcentral mean cortical thickness for a given MRI.
155	Variable name	RPOSCENM
	Short descriptor	Right postcentral mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right postcentral mean cortical thickness for a given MRI.
156	Variable name	LPOSCINM
	Short descriptor	Left posterior cingulate mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left posterior cingulate mean cortical thickness for a given MRI.
157	Variable name	RPOSCINM
	Short descriptor	Right posterior cingulate mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right posterior cingulate mean cortical thickness for a given MRI.

158	Variable name	LPRECENM
	Short descriptor	Left precentral mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left precentral mean cortical for a given MRI.
159	Variable name	RPRECENM
	Short descriptor	Right precentral mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right precentral mean cortical thickness for a given MRI.
160	Variable name	LPRECUNM
	Short descriptor	Left precuneus mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left precuneus mean cortical thickness for a given MRI.
161	Variable name	RPRECUNM
	Short descriptor	Right precuneus mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right precuneus mean cortical thickness for a given MRI.
162	Variable name	LROSANCM
	Short descriptor	Left rostral anterior cingulate mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left rostral anterior cingulate mean cortical thickness for a given MRI.

163	Variable name	RROSANCM
	Short descriptor	Right rostral anterior cingulate mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right rostral anterior cingulate mean cortical thickness for a given MRI.
164	Variable name	LROSMFM
	Short descriptor	Left rostral middle frontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left rostral middle frontal mean cortical thickness for a given MRI.
165	Variable name	RROSMFM
	Short descriptor	Right rostral middle frontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right rostral middle frontal mean cortical thickness for a given MRI.
166	Variable name	LSUPFRM
	Short descriptor	Left superior frontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left superior frontal mean cortical thickness for a given MRI.
167	Variable name	RSUPFRM
	Short descriptor	Right superior frontal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right superior frontal mean cortical thickness for a given MRI.

168	Variable name	LSUPPARM
	Short descriptor	Left superior parietal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the left superior parietal mean cortical thickness for a given MRI.
169	Variable name	RSUPPARM
	Short descriptor	Right superior parietal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	XX.XXXX
	Missing Codes	88.8888 = Not applicable / no MRI available / calculations not performed 99.9999 = Missing / could not calculate
	Description / derivation	Records the right superior parietal mean cortical thickness for a given MRI.
170	Variable name	LSUPTEMM
	Short descriptor	Left superior temporal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left superior temporal mean cortical thickness for a given MRI.
171	Variable name	RSUPTEMM
	Short descriptor	Right superior temporal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right superior temporal mean cortical thickness for a given MRI.
172	Variable name	LSUPMARM
	Short descriptor	Left supramarginal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left supramarginal mean cortical thickness for a given MRI.

173	Variable name	RSUPMARM
	Short descriptor	Right supramarginal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right supramarginal mean cortical thickness for a given MRI.
174	Variable name	LTRTEMM
	Short descriptor	Left transverse temporal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the left transverse temporal mean cortical thickness for a given MRI.
175	Variable name	RTRTEMM
	Short descriptor	Right transverse temporal mean cortical thickness (mm)
	Data type	Numeric longitudinal
	Data source	IDeA Lab
	Variable length	X.XXXX
	Missing Codes	8.8888 = Not applicable / no MRI available / calculations not performed 9.9999 = Missing / could not calculate
	Description / derivation	Records the right transverse temporal mean cortical thickness for a given MRI.

Section 4: PET scan data

176	Variable name	APETMO
	Short descriptor	Month amyloid PET scan performed
	Data type	Numeric longitudinal
	Data source	PET DICOM header
	Allowable codes	0 – 12 88 = Not applicable / no amyloid PET scan available
	Description/derivation	This variable indicates the month during which the amyloid PET scan was performed.
177	Variable name	APETDY
	Short descriptor	Day amyloid PET scan performed
	Data type	Numeric longitudinal
	Data source	PET DICOM header
	Allowable codes	0 – 31 88 = Not applicable / no amyloid PET scan available
	Description/derivation	This variable indicates the day of the month during which the amyloid PET scan was performed.
178	Variable name	APETYR
	Short descriptor	Year amyloid PET scan performed
	Data type	Numeric longitudinal
	Data source	PET DICOM header
	Allowable codes	2000 – current year 8888 = Not applicable / no amyloid PET scan available
	Description/derivation	This variable indicates the year during which the amyloid PET scan was performed.
179	Variable name	NACCAPTA
	Short descriptor	Subject age at time of amyloid PET scan
	Data type	Numeric longitudinal
	Data source	NACC derived
	Allowable codes	18 – 120 888 = Not applicable / no amyloid PET scan available
	Description/derivation	This variable provides the subject's age at the time of the amyloid PET scan. Birth month and birth year are required elements in the UDS; however, birth day is not collected. To calculate age at amyloid PET scan, birth day is set to 1 for all UDS subjects, and NACCAPTA is computed as amyloid PET scan date – birth date.

180	Variable name	NACCPTF
	Short descriptor	Amyloid PET scan file locator variable
	Data type	Character longitudinal
	Data source	NACC derived
	Allowable codes	“apet” followed by 1–3 digits and “.zip” Blank = No file available / no amyloid PET scan available
	Description/derivation	This variable provides a unique identifier for the amyloid PET scan zip file.
181	Variable name	NACCAPNM
	Short descriptor	Amyloid PET scan in chronological order
	Data type	Numeric longitudinal
	Data source	NACC derived
	Allowable codes	1 – 20 88 = Not applicable / no amyloid PET scan available
	Description/derivation	This variable assigns a number to each amyloid PET scan per subject ID, in chronological order, beginning with the first amyloid PET scan available at NACC.
182	Variable name	NACCPTD
	Short descriptor	Days between amyloid PET scan and closest UDS visit
	Data type	Numeric longitudinal
	Data source	NACC derived
	Allowable codes	-3650 – 3650 8888 = Not applicable / no amyloid PET scan available
	Description/derivation	This variable is the amyloid PET scan date minus the closest UDS visit date for every amyloid PET scan. For amyloid PET scans before the closest visit date, NACCPTD < 0, and for amyloid PET scans after the closest visit date, NACCPTD > 0.
183	Variable name	APETMANU
	Short descriptor	Manufacturer
	Data type	Numeric longitudinal
	Data source	PET DICOM header
	Allowable codes	1 = GE 2 = Siemens 3 = Phillips 5 = Other 8 = Not applicable / no amyloid PET scan available 9 = Missing / unknown
	Description/derivation	This variable is determined from the DICOM tag (0008,0070) “Manufacturer” in the amyloid PET scan header.
Note	The format of the DICOM header is not consistent across Centers, sessions, sequences, and possibly even images within a given sequence. To help identify images with certain technical properties, NACC has created this variable from text strings contained within the DICOM tags. Analysts should confirm these data by examining the DICOM header data.	

184	Variable name	APETMODL
	Short descriptor	Manufacturer's model name
	Data type	Numeric longitudinal
	Data source	PET DICOM header
	Allowable codes	1 = DiscoveryST 2 = Biograph16 88 = Not applicable / no amyloid PET scan available 99 = Missing / unknown
	Description/derivation	This variable is determined from the DICOM tag (0008,1090) "Manufacturer's model name" in the amyloid PET scan header.
Note	The format of the DICOM header is not consistent across Centers, sessions, sequences, and possibly even images within a given sequence. To help identify images with certain technical properties, NACC has created this variable from text strings contained within the DICOM tags. Analysts should confirm these data by examining the DICOM header data.	
185	Variable name	NACCNAPA
	Short descriptor	Total number of amyloid PET scans available
	Data type	Numeric cross-sectional
	Data source	NACC derived
	Allowable codes	1 – 20 88 = Not applicable / no amyloid PET scan available
Description/derivation	This variable provides the number of amyloid PET scans a UDS subject has in the NACC database, regardless of time between scans. Note that while this variable is listed for all visits, it does not change across visits; it is cross-sectional.	
186	Variable name	NACCAPSA
	Short descriptor	At least one amyloid PET scan available (y/n)
	Data type	Numeric cross-sectional
	Data source	NACC derived
	Allowable codes	0 = No; does not have any amyloid PET scans at NACC 1 = Yes; has at least one amyloid PET scan available at NACC
	Description/derivation	This variable flags UDS subjects who have at least one amyloid PET scan at NACC.
187	Variable name	LIGANDN
	Short descriptor	Amyloid tracer used for PET scan
	Data type	Numeric longitudinal
	Data source	ADC
	Allowable codes	1 = PIB 2 = Florbetapir 3 = Florbetaben 4 = Flutemetemol 8 = Not applicable / no amyloid PET scan available 9 = Missing / unknown
	Description/derivation	This variable indicates the amyloid tracer used for the PET scan as reported by the ADC.