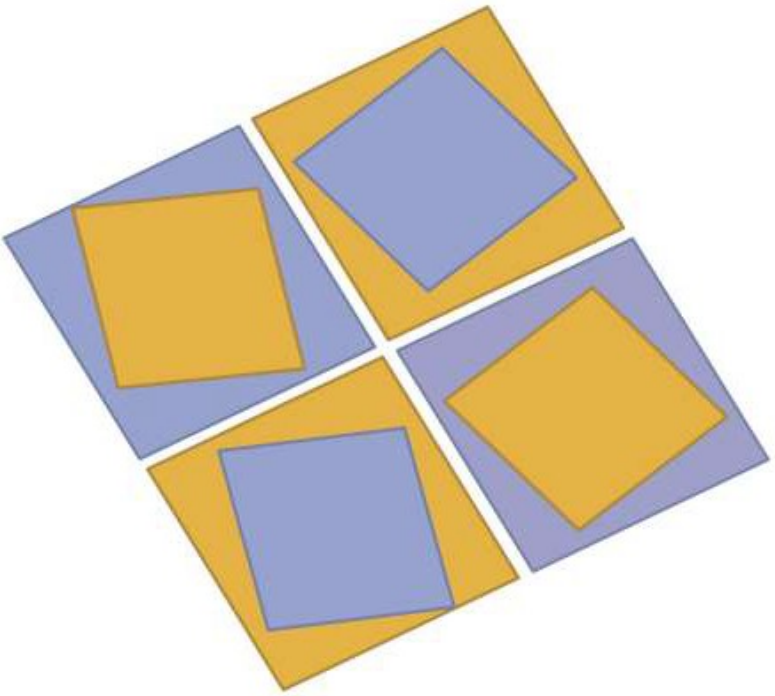

The BIOCARD Study

Biomarkers of Cognitive Decline
Among Normal Individuals

Amyloid PET Scan
Limited Dataset
July 2020

Glossary of Terms

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

Acronyms and Definitions

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

Amyloid PET Scan Limited Dataset Characteristics

Number of variables: 321

Order of variables:

1)	JHUANONID	*Participant ID Anonymized by JHU*
2)	VISITNO	*Amyloid PET Scan visit number*
3)	MOFROMBL	*Months since baseline visit*
4)	Notes	*Reason subject data are excluded from data file (i.e., pipeline failed; scan processed through pipeline but failed QC)*
5)	CerebralCortex	*Mean cortical distribution volume ratio (cDVR), based on PET-PiB scans calculated as average of DVR values in the following MRICloud regions: (1) frontal cortex [Level 5 labels 1-22], excluding prefrontal gyrus; (2) parietal cortex [Level 5 labels 27-34], excluding postcentral gyrus; (3) temporal cortex [Level 5 labels 35-44], excluding fusiform gyrus; (4) occipital cortex [Level 5 labels 51-56], excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula [Level 5 labels 61-72], excluding parahippocampal gyrus and entorhinal area*
6)	cerebellarGM	*Cerebellar gray matter (composite of CerebellumGM_L and CerebellumGM_R); used as reference tissue for calculating cDVR*
7)	SFG_L	*Superior frontal gyrus (posterior segment), left*
8)	SFG_R	*Superior frontal gyrus (posterior segment), right*
9)	SFG_PFC_L	*Superior frontal gyrus (prefrontal cortex), left*
10)	SFG_PFC_R	*Superior frontal gyrus (prefrontal cortex), right*
11)	SFG_pole_L	*Superior frontal gyrus (frontal pole), left*
12)	SFG_pole_R	*Superior frontal gyrus (frontal pole), right*
13)	MFG_L	*Middle frontal gyrus (posterior segment), left*
14)	MFG_R	*Middle frontal gyrus (posterior segment), right*
15)	MFG_DPFC_L	*Middle frontal gyrus (dorsal prefrontal cortex), left*
16)	MFG_DPFC_R	*Middle frontal gyrus (dorsal prefrontal cortex), right*
17)	IFG_opercularis_L	*Inferior frontal gyrus pars opercularis, left*
18)	IFG_opercularis_R	*Inferior frontal gyrus pars opercularis, right*
19)	IFG_orbitalis_L	*Inferior frontal gyrus pars orbitralis, left*
20)	IFG_orbitalis_R	*Inferior frontal gyrus pars orbitralis, right*
21)	IFG_triangularis_L	*Inferior frontal gyrus pars triangularis, left*
22)	IFG_triangularis_R	*Inferior frontal gyrus pars triangularis, right*
23)	LFOG_L	*Lateral fronto-orbital gyrus, left*
24)	LFOG_R	*Lateral fronto-orbital gyrus, right*
25)	MFOG_L	*Middle fronto-orbital gyrus, left*
26)	MFOG_R	*Middle fronto-orbital gyrus, right*
27)	RG_L	*Gyrus rectus, left*
28)	RG_R	*Gyrus rectus, right*
29)	PoCG_L	*Postcentral gyrus, left*
30)	PoCG_R	*Postcentral gyrus, right*
31)	PrCG_L	*Precentral gyrus, left*
32)	PrCG_R	*Precentral gyrus, right*
33)	SPG_L	*Superior parietal gyrus, left*
34)	SPG_R	*Superior parietal gyrus, right*
35)	SMG_L	*Supramarginal gyrus, left*
36)	SMG_R	*Supramarginal gyrus, right*
37)	AG_L	*Angular gyrus, left*
38)	AG_R	*Angular gyrus, right*
39)	PrCu_L	*Pre-cuneus, left*
40)	PrCu_R	*Pre-cuneus, right*
41)	STG_L	*Superior temporal gyrus, left*
42)	STG_R	*Superior temporal gyrus, right*
43)	STG_L_pole	*Pole of superior temporal gyrus, left*

44) STG_R_pole *Pole of superior temporal gyrus, right*
45) MTG_L *Middle temporal gyrus, left*
46) MTG_R *Midle temporal gyrus, right*
47) MTG_L_pole *Pole of middle temporal gyrus, left*
48) MTG_R_pole *Pole of middle temporal gyru, right*
49) ITG_L *Inferior temporal gyrus, left*
50) ITG_R *Inferior temporal gyrus, right*
51) PHG_L *Parahippocampal gyrus, left*
52) PHG_R *Parahippocampal gyrus, right*
53) ENT_L *Entorhinal area, left*
54) ENT_R *Entorhinal area, right*
55) FuG_L *Fusiform gyrus, left*
56) FuG_R *Fusiform gyrus, right*
57) SOG_L *Superior occipital gyrus, left*
58) SOG_R *Superior occipital gyrus, right*
59) MOG_L *Middle occipital gyrus, left*
60) MOG_R *Middle occipital gyrus, right*
61) IOG_L *Inferior occipital gyrus, left*
62) IOG_R *Inferior occipital gyrus, right*
63) Cu_L *Cuneus, left*
64) Cu_R *Cuneus, right*
65) LG_L *Lingual gyrus, left*
66) LG_R *Lingual gyrus, right*
67) rostral_ACC_L *Rostral anterior cingulate gyrus, left*
68) rostral_ACC_R *Rostral anterior cingulate gyrus, right*
69) subcallosal_ACC_L *Subcallosal anterior cingulate gyrus, left*
70) subcallosal_ACC_R *Subcallosal anterior cingulate gyrus, right*
71) subgenual_ACC_L *Subgenual anterior cingulate gyrus, left*
72) subgenual_ACC_R *Subgenual anterior cingulate gyrus, right*
73) dorsal_ACC_L *Dorsal anterior cingulate gyrus, left*
74) dorsal_ACC_R *Dorsal anterior cingulate gyrus, right*
75) PCC_L *Posterior cingulate gyrus, left*
76) PCC_R *Posterior cingulate gyrus, right*
77) Insula_L *Insula, left*
78) Insula_R *Insula, right*
79) Amyg_L *Amygdala, left*
80) Amyg_R *Amygdala, right*
81) Hippo_L *Hippocampus, left*
82) Hippo_R *Hippocampus, right*
83) Caud_L *Caudate nucleus, left*
84) Caud_R *Caudate nucleus, right*
85) Put_L *Putamen, left*
86) Put_R *Putamen, right*
87) GP_L *Globus pallidus, left*
88) GP_R *Globus pallidus, right*
89) Thalamus_L *Thalamus, left*
90) Thalamus_R *Thalamus, right*
91) HypoThalamus_L *Hypothalamus, left*
92) HypoThalamus_R *Hypothalamus, right*
93) AnteriorBasalForebrain_L *Anterior basal forebrain, left*
94) AnteriorBasalForebrain_R *Anterior basal forebrain, right*
95) NucAccumbens_L *Nucleus accumbens, left*
96) NucAccumbens_R *Nucleus accumbens, right*
97) RedNc_L *Red Nucleus, left*

98) RedNc_R *Red Nucleus, left*
99) Snigra_L *Substancia Nigra, left*
100) Snigra_R *Substancia Nigra, right*
101) CerebellumGM_R *Cerebellum gray matter, right*
102) CerebellumGM_L *Cerebellum gray matter, left*
103) CP_L *Cerebral peduncle, left*
104) CP_R *Cerebral peduncle, right*
105) Midbrain_L_L5 *Midbrain, left (from MRICloud Level 5)*
106) Midbrain_R_L5 *Midbrain, right (from MRICloud Level 5)*
107) CST_L *Corticospinal tract, left*
108) CST_R *Corticospinal tract, right*
109) SCP_L *Superior cerebellar peduncle, left*
110) SCP_R *Superior cerebellar peduncle, right*
111) MCP_L *Middle cerebellar peduncle, left*
112) MCP_R *Middle cerebellar peduncle, right*
113) PCT_L *Pontine crossing tract (a part of MCP), left*
114) PCT_R *Pontine crossing tract (a part of MCP), right*
115) ICP_L *Inferior cerebellar peduncle, left*
116) ICP_R *Inferior cerebellar peduncle, right*
117) ML_L *Medial lemniscus, left*
118) ML_R *Medial lemniscus, right*
119) ACR_L *Anterior corona radiata, left*
120) ACR_R *Anterior corona radiata, right*
121) SCR_L *Superior corona radiata, left*
122) SCR_R *Superior corona radiata, right*
123) PCR_L *Posterior corona radiata, left*
124) PCR_R *Posterior corona radiata, right*
125) GCC_L *Genu of corpus callosum, left*
126) GCC_R *Genu of corpus callosum, right*
127) BCC_L *Body of corpus callosum, left*
128) BCC_R *Body of corpus callosum, right*
129) SCC_L *Splenium of corpus callosum, left*
130) SCC_R *Splenium of corpus callosum, right*
131) PVWl_L *Periventricular WM lateral, left*
132) PVWl_R *Periventricular WM lateral, right*
133) ALIC_L *Anterior limb of internal capsule, left*
134) ALIC_R *Anterior limb of internal capsule, right*
135) PLIC_L *Posterior limb of internal capsule, left*
136) PLIC_R *Posterior limb of internal capsule, right*
137) RLIC_L *Retrolenticular part of internal capsule, left*
138) RLIC_R *Retrolenticular part of internal capsule, right*
139) EC_L *External capsule, left*
140) EC_R *External capsule, right*
141) CGC_L *Cingulum (cingulate gyrus), left*
142) CGC_R *Cingulum (cingulate gyrus), right*
143) CGH_L *Cingulum (hippocampus), left*
144) CGH_R *Cingulum (hippocampus), right*
145) Fx_ST_L *Fornix (cres) / Stria terminalis, left (cannot be resolved with current resolution)*
146) Fx_ST_R *Fornix (cres) / Stria terminalis, right (cannot be resolved with current resolution)*
147) Fx_L *Fornix (column and body of fornix), left*
148) Fx_R *Fornix (column and body of fornix), right*
149) IFO_L *Inferior fronto-occipital fasciculus, left*
150) IFO_R *Inferior fronto-occipital fasciculus, right*
151) PTR_L *Posterior thalamic radiation (include optic radiation), left*
152) PTR_R *Posterior thalamic radiation (include optic radiation), right*
153) SS_L *Sagittal stratum (include inferior longitidinal fasciculus and inferior fronto-occipital fasciculus), left*

154) SS_R *Sagittal stratum (include inferior longitidinal fasciculus and inferior fronto-occipital fasciculus), right*
155) SFO_L *Superior fronto-occipital fasciculus, left*
156) SFO_R *Superior fronto-occipital fasciculus, right*
157) SLF_L *Superior longitudinal fasciculus, left*
158) SLF_R *Superior longitudinal fasciculus, right*
159) Cl_L *Clustrum Complex, left*
160) Cl_R *Clustrum Complex, right*
161) PosteriorBasalForebrain_L *Posterior basal forebrain, left*
162) PosteriorBasalForebrain_R *Posterior basal forebrain, right*
163) Mammillary_R *Mammillary body, right*
164) Mammillary_L *Mammillary body, left*
165) OpticTract_L *Optic tract, left*
166) OpticTract_R *Optic tract, right*
167) LV_Frontal_L *Lateral ventricle frontal, left*
168) LV_body_L *Lateral ventricle body, left*
169) LV_atrium_L *Lateral ventricle atrium, left*
170) LV_Occipital_L *Lateral ventricle occipital, left*
171) LV_Inferior_L *Lateral ventricle inferior, left*
172) LV_Frontal_R *Lateral ventricle frontal, right*
173) LV_body_R *Lateral ventricle body, right*
174) LV_atrium_R *Lateral ventricle atrium, right*
175) LV_Occipital_R *Lateral ventricle occipital, right*
176) LV_Inferior_R *Lateral ventricle inferior, right*
177) III_ventricle *Third ventricle*
178) PVWa_L *Periventricular WM anterior, left*
179) PVWa_R *Periventricular WM anterior, right*
180) PVWp_L *Periventricular white matter posterior, left*
181) PVWp_R *Periventricular white matter posterior, right*
182) SFWM_L *Superior frontal WM (posterior segment), left*
183) SFWM_R *Superior frontal WM (posterior segment), right*
184) SFWM_PFC_L *Superior frontal WM (prefrontal cortex), left*
185) SFWM_PFC_R *Superior frontal WM (prefrontal cortex), right*
186) SFWM_pole_L *Superior frontal WM (frontal pole), left*
187) SFWM_pole_R *Superior frontal WM (frontal pole), right*
188) MFWM_L *Middle frontal WM (posterior segment), left*
189) MFWM_R *Middle frontal WM (posterior segment), right*
190) MFWM_DPFC_L *Middle frontal WM (dorsal prefrontal cortex), left*
191) MFWM_DPFC_R *Middle frontal WM (dorsal prefrontal cortex), right*
192) IFWM_opercularis_L *Inferior frontal WM pars opercularis, left*
193) IFWM_opercularis_R *Inferior frontal WM pars opercularis, right*
194) IFWM_orbitalis_L *Inferior frontal WM pars orbitralis, left*
195) IFWM_orbitalis_R *Inferior frontal WM pars orbitralis, right*
196) IFWM_triangularis_L *Inferior frontal WM pars triangularis, left*
197) IFWM_triangularis_R *Inferior frontal WM pars triangularis, right*
198) LFOWM_L *Lateral fronto-orbital WM, left*
199) LFOWM_R *Lateral fronto-orbital WM, right*
200) MFOWM_L *Middle fronto-orbital WM, left*
201) MFOWM_R *Middle fronto-orbital WM, right*
202) RGWM_L *Rectus WM, left*
203) RGWM_R *Rectus WM, right*
204) PoCWM_L *Postcentral WM, left*
205) PoCWM_R *Postcentral WM, right*
206) PrCWM_L *Precentral WM, left*
207) PrCWM_R *Precentral WM, right*
208) SPWM_L *Superior parietal WM, left*
209) SPWM_R *Superior parietal WM, right*

210) SMWM_L *Supramarginal WM, left*
211) SMWM_R *Supramarginal WM, right*
212) AGWM_L *Angular gyrus WM, left*
213) AGWM_R *Angular gyrus WM, right*
214) PrCuWM_L *Pre-cuneus WM, left*
215) PrCuWM_R *Pre-cuneus WM, right*
216) STWM_L *Superior temporal WM, left*
217) STWM_R *Superior temporal WM, right*
218) STWM_L_pole *Pole of superior temporal WM, left*
219) STWM_R_pole *Pole of superior temporal WM, right*
220) MTWM_L *Middle temporal WM, left*
221) MTWM_R *Middle temporal WM, right*
222) MTWM_L_pole *Pole of middle temporal WM, left*
223) MTWM_R_pole *Pole of middle temporal WM, right*
224) ITWM_L *Inferior temporal WM, left*
225) ITWM_R *Inferior temporal WM, right*
226) FuWM_L *Fusiform WM, left*
227) FuWM_R *Fusiform WM, right*
228) SOWM_L *Superior occipital WM, left*
229) SOWM_R *Superior occipital WM, right*
230) MOWM_L *Middle occipital WM, left*
231) MOWM_R *Middle occipital WM, right*
232) IOWM_L *Inferior occipital WM, left*
233) IOWM_R *Inferior occipital WM, right*
234) CuWM_L *Pre-cuneus WM, left*
235) CuWM_R *Pre-cuneus WM, right*
236) LGWM_L *Lingual gyrus WM, left*
237) LGWM_R *Lingual gyrus WM, right*
238) rostralWM_ACC_L *Rostral anterior cingulate WM, left*
239) rostralWM_ACC_R *Rostral anterior cingulate WM, right*
240) subcallosalWM_ACC_L *Subcallosal anterior cingulate WM, left*
241) subcallosalWM_ACC_R *Subcallosal anterior cingulate WM, right*
242) subgenualWM_ACC_L *Subgenual anterior cingulate WM, left*
243) subgenualWM_ACC_R *Subgenual anterior cingulate WM, right*
244) dorsalWM_ACC_L *Dorsal anterior cingulate WM, left*
245) dorsalWM_ACC_R *Dorsal anterior cingulate WM, right*
246) PCCWM_L *Posterior cingulate WM, left*
247) PCCWM_R *Posterior cingulate WM, right*
248) CerebellumWM_R *Cerebellum WM, right*
249) CerebellumWM_L *Cerebellum WM, left*
250) SKULL1 *Nonbrain structures (skull, scalp, soft tissues, etc.)*
251) SKULL2 *Nonbrain structures (skull, scalp, soft tissues, cavities, outside, etc.)*
252) SKULL3 *Nonbrain structures (may include the optic chiasm and pituitary gland)*
253) MCP_cb_L *Middle cerebellar peduncle cerebellar part, left*
254) MCP_cb_R *Middle cerebellar peduncle cerebellar part, right*
255) Bone *Nonbrain structures (dura, bone marrow, etc.)*
256) ICP_cb_L *Inferior cerebellum peduncle - cerebellar portion, left*
257) ICP_cb_R *Inferior cerebellum peduncle - cerebellar portion, right*
258) FrontSul_L *Frontal lobe sulci, left*
259) FrontSul_R *Frontal lobe sulci, right*
260) CentralSul_L *Central sulcus, left*
261) CentralSul_R *Central sulcus, right*
262) SylFrontSul_L *Sylvian fissure frontal lobe part, left*
263) SylFrontSul_R *Sylvian fissure frontal lobe part, right*
264) SylTempSul_L *Sylvian fissure temporal lobe part, left*
265) SylTempSul_R *Sylvian fissure temporal lobe part, right*

266) SylParieSul_L *Sylvian fissure parietal lobe part, left*
267) SylParieSul_R *Sylvian fissure parietal lobe part, right*
268) ParietSul_L *Parietal lobe sulci, left*
269) ParietSul_R *Parietal lobe sulci, right*
270) CinguSul_L *Cingular cortex sulci, left*
271) CinguSul_R *Cingular cortex sulci, right*
272) OcciptSul_L *Occipital lobe sulci, left*
273) OcciptSul_R *Occipital lobe sulci, right*
274) TempSul_L *Temporal sulcus, left*
275) TempSul_R *Temporal sulcus, right*
276) Caudate_tail_L *Caudate tail, left*
277) Fimbria_L *Fimbria, left*
278) Caudate_tail_R *Caudate tail, right*
279) Fimbria_R *Fimbria, right*
280) Chroid_LVetc_L *Choroid plexus in the lateral ventricle, left*
281) Chroid_LVetc_R *Choroid plexus in the lateral ventricle, right*
282) IV_ventricle *Fourth ventricle*
283) ECCL_L *External capsule / claustrum, left*
284) ECCL_R *External capsule / claustrum, right*
285) Pons_L *Pons, left*
286) Pons_R *Pons, right*
287) Medulla_L *Medulla, left*
288) Medulla_R *Medulla, right*
289) CSF *CSF, and soft tissues and bones adjacent to the CSF area (includes CSF and various types of T1 low intensity soft tissues/bones, such as the dura mater, facial bone, skull, choroid plexus, etc.)*
290) Frontal_L *Frontal lobe, left*
291) Frontal_R *Frontal lobe, right*
292) Parietal_L *Parietal lobe, left*
293) Parietal_R *Parietal lobe, right*
294) Temporal_L *Temporal lobe, left*
295)Temporal_R *Temporal lobe, right*
296) Limbic_L *Limbic lobe, left*
297) Limbic_R *Limbic lobe, right*
298) Occipital_L *Occipital lobe, left*
299) Occipital_R *Occipital lobe, right*
300) BasalGang_L *Basal ganglia, left*
301) BasalGang_R *Basal ganglia, right*
302) BasalForebrain_L *Basal forebrain, left*
303) BasalForebrain_R *Basal forebrain, right*
304) midbrain_L_L3 *Midbrain, left (from MRICloud Level 3)*
305) midbrain_R_L3 *Midbrain, right (from MRICloud Level 3)*
306) Cerebellum_R *Cerebellum, right*
307) Cerebellum_L *Cerebellum, left*
308) AnteriorWM_L *Anterior WM, left*
309) AnteriorWM_R *Anterior WM, right*
310) PosteriorWM_L *Posterior WM, left*
311) PosteriorWM_R *Posterior WM, right*
312) CorpusCallosum_L *Corpus callosum, left*
313) CorpusCallosum_R *Corpus callosum, right*
314) InferiorWM_L *Inferior WM, left*
315) InferiorWM_R *Inferior WM, right*
316) LimbicWM_L *Limbic WM, left*
317) LimbicWM_R *Limbic WM, right*
318) LateralVentricle_L *Lateral ventricle, left*
319)LateralVentricle_R *Lateral ventricle, right*

320) SylvianFissureExt_L *Sylvian fissure and the caudal extension, left*
321) SylvianFissureExt_R *Sylvian fissure and the caudal extension, right*

1)

Variable Name	**JHUANONID**
Short Description	Participant ID Anonymized by JHU
Source	NA
Question Text	NA
Time of Collection	Baseline Data
Type	Character
Allowable Codes	JHU + 6 numbers
Missing OK If	NA
Audit Findings	NA
Comments	None

2)

Variable Name	**VISITNO**
Short Description	Amyloid PET Scan visit number
Source	Amyloid PET Scan
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	NIH visit: Integers and decimals from 0 to 10, where a visit 0 represents a visit that occurred prior to the established baseline date JHU visit: 101, 102, 103, 104, ….. 1XX where XX is from 01 to 99
Missing OK If	NA
Audit Findings	NA
Comments	None

3) Variable Name **MRIMOBL**

Short Description	Months from baseline
Source	DERIVED
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0 Max = 999
Missing OK If	NA
Audit Findings	NA
Comments	Calculated as months between the baseline start date and the recorded Amyloid PET Scan date.

4) Variable Name **Notes:**

Reason subject data are excluded from data file (i.e., pipeline failed; scan processed through pipeline but failed QC)

5) Variable Name **CerebralCortex**

Short Description	Mean cortical distribution volume ratio (cDVR), based on PET-PiB scans; calculated as average of DVR values in following MRICloud regions: (1) frontal cortex [Level 5 labels 1-22], excluding prefrontal gyrus; (2) parietal cortex [Level 5 labels 27-34], excluding postcentral gyrus; (3) temporal cortex [Level 5 labels 35-44], excluding fusiform gyrus; (4) occipital cortex Level 5 labels 51-56], excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula [Level 5 labels 61-72], excluding parahippocampal gyrus and entorhinal area
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

6) Variable Name **cerebellarGM**

Short Description: Cerebellar gray matter (composite of CerebellumGM_L and CerebellumGM_R); used as reference tissue for calculating cDVR

Source: NA

Question Text: NA

Time of Collection: Baseline and Follow-up

Data Type: Numeric

Allowable Codes: Min = 0.5
Max = 2.0

Missing OK If: NA

Audit Findings: NA

Comments: The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area.

Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

7) Variable Name **SFG_L**

Short Description: Superior frontal gyrus (posterior segment), left

Source: NA

Question Text: NA

Time of Collection: Baseline and Follow-up

Data Type: Numeric

Allowable Codes: Min = 0.5
Max = 2.0

Missing OK If: NA

Audit Findings: NA

Comments: The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area.

Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

8) Variable Name **SFG_R**

Short Description	Superior frontal gyrus (posterior segment), right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

9) Variable Name **SFG_PFC_L**

Short Description	Superior frontal gyrus (prefrontal cortex) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

10) Variable Name **SFG_PFC_R**

Short Description: Superior frontal gyrus (prefrontal cortex) right

Source: NA

Question Text: NA

Time of Collection: Baseline and Follow-up

Data Type: Numeric

Allowable Codes: Min = 0.5
Max = 2.0

Missing OK If: NA

Audit Findings: NA

Comments: The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area.

Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

11) Variable Name **SFG_pole_L**

Short Description: Superior frontal gyrus (frontal pole) left

Source: NA

Question Text: NA

Time of Collection: Baseline and Follow-up

Data Type: Numeric

Allowable Codes: Min = 0.5
Max = 2.0

Missing OK If: NA

Audit Findings: NA

Comments: The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area.

Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

12) Variable Name **SFG_pole_R**

Short Description	Superior frontal gyrus (frontal pole) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

13) Variable Name **MFG_L**

Short Description	Middle frontal gyrus (posterior segment) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

14) Variable Name **MFG_R**

Short Description	Middle frontal gyrus (posterior segment) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

15) Variable Name **MFG_DPFC_L**

Short Description	Middle frontal gyrus (dorsal prefrontal cortex) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

16)	Variable Name	**MFG_DPFC_R**
	Short Description	Middle frontal gyrus (dorsal prefrontal cortex) right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

17)	Variable Name	**IFG_opercularis_L**
	Short Description	Inferior frontal gyrus pars opercularis left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

18)	Variable Name	**IFG_opercularis_R**
	Short Description	Inferior frontal gyrus pars opercularis right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

19)	Variable Name	**IFG_orbitalis_L**
	Short Description	Inferior frontal gyrus pars orbitralis left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

20) Variable Name **IFG_orbitalis_R**

Short Description	Inferior frontal gyrus pars orbitralis right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

21) Variable Name **IFG_triangularis_L**

Short Description	Inferior frontal gyrus pars triangularis left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

22)	Variable Name	**IFG_triangularis_R**
	Short Description	Inferior frontal gyrus pars triangularis right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

23)	Variable Name	**LFOG_L**
	Short Description	Lateral fronto-orbital gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

24) Variable Name **LFOG_R**

Short Description	Lateral fronto-orbital gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

25) Variable Name **MFOG_L**

Short Description	Middle fronto-orbital gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

26) Variable Name **MFOG_R**

Short Description	Middle fronto-orbital gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

27) Variable Name **RG_L**

Short Description	Gyrus rectus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

28) Variable Name **RG_R**

Short Description	Gyrus rectus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

29) Variable Name **PoCG_L**

Short Description	Postcentral gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

30) Variable Name **PoCG_R**

Short Description	Postcentral gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

31) Variable Name **PrCG_L**

Short Description	Precentral gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

32) Variable Name **PrCG_R**

Short Description	Precentral gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

33) Variable Name **SPG_L**

Short Description	Superior parietal gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

34) Variable Name **SPG_R**

Short Description	Superior parietal gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

35) Variable Name **SMG_L**

Short Description	Supramarginal gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

36) Variable Name **SMG_R**

Short Description	Supramarginal gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

37) Variable Name **AG_L**

Short Description	Angular gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

38) Variable Name **AG_R**

Short Description	Angular gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

39) Variable Name **PrCu_L**

Short Description	Pre-cuneus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

40) Variable Name **PrCu_R**

Short Description	Pre-cuneus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

41) Variable Name **STG_L**

Short Description	Superior temporal gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

42)	Variable Name	**STG_R**
	Short Description	Superior temporal gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

43)	Variable Name	**STG_L_pole**
	Short Description	Pole of superior temporal gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

44)	Variable Name	**STG_R_pole**
	Short Description	Pole of superior temporal gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

45)	Variable Name	**MTG_L**
	Short Description	Middle temporal gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

46) Variable Name **MTG_R**

Short Description	Middle temporal gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

47) Variable Name **MTG_L_pole**

Short Description	Pole of middle temporal gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

48) Variable Name **MTG_R_pole**

Short Description	Pole of middle temporal gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

49) Variable Name **ITG_L**

Short Description	Inferior temporal gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

50) Variable Name **ITG_R**

Short Description	Inferior temporal gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

51) Variable Name **PHG_L**

Short Description	Parahippocampal gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

52)	Variable Name	**PHG_R**
	Short Description	Parahippocampal gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

53)	Variable Name	**ENT_L**
	Short Description	Entorhinal area left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

54) Variable Name **ENT_R**

Short Description	Entorhinal area right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

55) Variable Name **FuG_L**

Short Description	Fusiform gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

56)	Variable Name	**FuG_R**
	Short Description	Fusiform gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

57)	Variable Name	**SOG_L**
	Short Description	Superior occipital gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

58) Variable Name **SOG_R**

Short Description	Superior occipital gyrus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

59) Variable Name **MOG_L**

Short Description	Middle occipital gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

60)	Variable Name	**MOG_R**
	Short Description	Middle occipital gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

61)	Variable Name	**IOG_L**
	Short Description	Inferior occipital gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

62)	Variable Name	**IOG_R**
	Short Description	Inferior occipital gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

63)	Variable Name	**Cu_L**
	Short Description	Cuneus, left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

64) Variable Name **Cu_R**

Short Description	Cuneus, right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

65) Variable Name **LG_L**

Short Description	Lingual gyrus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

66)	Variable Name	**LG_R**
	Short Description	Lingual gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

67)	Variable Name	**rostral_ACC_L**
	Short Description	Rostral anterior cingulate gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

68)	Variable Name	**rostral_ACC_R**
	Short Description	Rostral anterior cingulate gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

69)	Variable Name	**subcallosal_ACC_L**
	Short Description	Subcallosal anterior cingulate gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

70)	Variable Name	**subcallosal_ACC_R**
	Short Description	Subcallosal anterior cingulate gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

71)	Variable Name	**subgenual_ACC_L**
	Short Description	Subgenual anterior cingulate gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

72)	Variable Name	**subgenual_ACC_R**
	Short Description	Subgenual anterior cingulate gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

73)	Variable Name	**dorsal_ACC_L**
	Short Description	Dorsal anterior cingulate gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

74)	Variable Name	**dorsal_ACC_R**
	Short Description	Dorsal anterior cingulate gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

75)	Variable Name	**PCC_L**
	Short Description	Posterior cingulate gyrus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

76)	Variable Name	**PCC_R**
	Short Description	Posterior cingulate gyrus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

77)	Variable Name	**Insula_L**
	Short Description	Insula left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

78)	Variable Name	**Insula_R**
	Short Description	Insula right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

79)	Variable Name	**Amyg_L**
	Short Description	Amygdala left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

80)	Variable Name	**Amyg_R**
	Short Description	Amygdala right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

81)	Variable Name	**Hippo_L**
	Short Description	Hippocampus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

82) Variable Name **Hippo_R**

Short Description	Hippocampus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

83) Variable Name **Caud_L**

Short Description	Caudate nucleus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

84) Variable Name **Caud_R**

Short Description	Caudate nucleus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

85) Variable Name **Put_L**

Short Description	Putamen left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

86) Variable Name **Put_R**

Short Description: Putamen right

Source: NA

Question Text: NA

Time of Collection: Baseline and Follow-up

Data Type: Numeric

Allowable Codes: Min = 0.5
Max = 2.0

Missing OK If: NA

Audit Findings: NA

Comments: The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area.

Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

87) Variable Name **GP_L**

Short Description: Globus pallidus left

Source: NA

Question Text: NA

Time of Collection: Baseline and Follow-up

Data Type: Numeric

Allowable Codes: Min = 0.5
Max = 2.0

Missing OK If: NA

Audit Findings: NA

Comments: The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area.

Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

88)	Variable Name	**GP_R**
	Short Description	Globus pallidus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

89)	Variable Name	**Thalamus_L**
	Short Description	Thalamus left)
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

90) Variable Name **Thalamus_R**

Short Description	Thalamus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

91) Variable Name **HypoThalamus_L**

Short Description	Hypothalamus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

92)	Variable Name	**HypoThalamus_R**
	Short Description	Hypothalamus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

93)	Variable Name	**AnteriorBasalForebrain_L**
	Short Description	Anterior basal forebrain left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

94) Variable Name **AnteriorBasalForebrain_R**

Short Description	Anterior basal forebrain right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

95) Variable Name **NucAccumbens_L**

Short Description	Nucleus accumbens left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

96)	Variable Name	**NucAccumbens_R**
	Short Description	Nucleus accumbens right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

97)	Variable Name	**RedNc_L**
	Short Description	Red Nucleus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

98) Variable Name **RedNc_R**

Short Description	Red Nucleus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

99) Variable Name **Snigra_L**

Short Description	Substancia Nigra left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

100)	Variable Name	**Snigra_R**
	Short Description	Substancia Nigra right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

101)	Variable Name	**CerebellumGM_R**
	Short Description	Cerebellum gray matter right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

102) Variable Name **CerebellumGM_L**

Short Description	Cerebellum gray matter left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

103) Variable Name **CP_L**

Short Description	Cerebral peduncle left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

104) Variable Name **CP_R**

Short Description	Cerebral peduncle right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

105) Variable Name **Midbrain_L_L5**

Short Description	Midbrain left (from MRICloud Level 5)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

106)	Variable Name	**Midbrain_R_L5**
	Short Description	Midbrain right (from MRICloud Level 5)
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

107)	Variable Name	**CST_L**
	Short Description	Corticospinal tract left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

108)	Variable Name	**CST_R**
	Short Description	Corticospinal tract right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

109)	Variable Name	**SCP_L**
	Short Description	Superior cerebellar peduncle left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

110) Variable Name **SCP_R**

Short Description	Superior cerebellar peduncle right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

111) Variable Name **MCP_L**

Short Description	Middle cerebellar peduncle left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

112)	Variable Name	**MCP_R**
	Short Description	Middle cerebellar peduncle right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

113)	Variable Name	**PCT_L**
	Short Description	Pontine crossing tract (a part of MCP) left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

114) Variable Name **PCT_R**

Short Description	Pontine crossing tract (a part of MCP) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

115) Variable Name **ICP_L**

Short Description	Inferior cerebellar peduncle left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

116) Variable Name **ICP_R**

Short Description	Inferior cerebellar peduncle right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

117) Variable Name **ML_L**

Short Description	Medial lemniscus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

118) Variable Name **ML_R**

Short Description	Medial lemniscus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

119) Variable Name **ACR_L**

Short Description	Anterior corona radiata left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

120) Variable Name **ACR_R**

Short Description	Anterior corona radiata right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

121) Variable Name **SCR_L**

Short Description	Superior corona radiata left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

122) Variable Name **SCR_R**

Short Description	Superior corona radiata right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

123) Variable Name **PCR_L**

Short Description	Posterior corona radiata left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

124) Variable Name **PCR_R**

Short Description	Posterior corona radiata right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

125) Variable Name **GCC_L**

Short Description	Genu of corpus callosum left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

126) Variable Name **GCC_R**

Short Description	Genu of corpus callosum right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

127) Variable Name **BCC_L**

Short Description	Body of corpus callosum left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

128) Variable Name **BCC_R**

Short Description	Body of corpus callosum right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

129) Variable Name **SCC_L**

Short Description	Splenium of corpus callosum left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

130) Variable Name **SCC_R**

Short Description	Splenium of corpus callosum right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

131) Variable Name **PVWl_L**

Short Description	Periventricular WM lateral left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

132)	Variable Name	**PVWl_R**
	Short Description	Periventricular WM lateral right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

133)	Variable Name	**ALIC_L**
	Short Description	Anterior limb of internal capsule left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

134)	Variable Name	**ALIC_R**
	Short Description	Anterior limb of internal capsule right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

135)	Variable Name	**PLIC_L**
	Short Description	Posterior limb of internal capsule left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

136)	Variable Name	**PLIC_R**
	Short Description	Posterior limb of internal capsule right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

137)	Variable Name	**RLIC_L**
	Short Description	Retrolenticular part of internal capsule left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

138) Variable Name **RLIC_R**

Short Description	Retrolenticular part of internal capsule right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

139) Variable Name **EC_L**

Short Description	External capsule left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

140)	Variable Name	**EC_R**
	Short Description	External capsule right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

141)	Variable Name	**CGC_L**
	Short Description	Cingulum (cingulate gyrus) left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

142) Variable Name **CGC_R**

Short Description	Cingulum (cingulate gyrus) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

143) Variable Name **CGH_L**

Short Description	Cingulum (hippocampus) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

144) Variable Name **CGH_R**

Short Description	Cingulum (hippocampus) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

145) Variable Name **Fx_ST_L**

Short Description	Fornix (cres) / Stria terminalis left (cannot be resolved with current resolution)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

146) Variable Name **Fx_ST_R**

Short Description	Fornix (cres) / Stria terminalis right (cannot be resolved with current resolution)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

147) Variable Name **Fx_L**

Short Description	Fornix (column and body of fornix) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

148) Variable Name **Fx_R**

Short Description	Fornix (column and body of fornix) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

149) Variable Name **IFO_L**

Short Description	Inferior fronto-occipital fasciculus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

150)	Variable Name	**IFO_R**
	Short Description	Inferior fronto-occipital fasciculus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

151)	Variable Name	**PTR_L**
	Short Description	Posterior thalamic radiation (include optic radiation) left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

152) Variable Name **PTR_R**

Short Description	Posterior thalamic radiation (include optic radiation) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

153) Variable Name **SS_L**

Short Description	Sagittal stratum (include inferior longitidinal fasciculus and inferior fronto-occipital fasciculus) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

154) Variable Name **SS_R**

Short Description	Sagittal stratum (include inferior longitidinal fasciculus and inferior fronto-occipital fasciculus) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

155) Variable Name **SFO_L**

Short Description	Superior fronto-occipital fasciculus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

156)	Variable Name	**SFO_R**
	Short Description	Superior fronto-occipital fasciculus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

157)	Variable Name	**SLF_L**
	Short Description	Superior longitudinal fasciculus left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

158)	Variable Name	**SLF_R**
	Short Description	Superior longitudinal fasciculus right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

159)	Variable Name	**Cl_L**
	Short Description	Clustrum Complex left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

160) Variable Name **Cl_R**

Short Description	Clustrum Complex right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

161) Variable Name **PosteriorBasalForebrain_L**

Short Description	Posterior basal forebrain left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

162)	Variable Name	**PosteriorBasalForebrain_R**
	Short Description	Posterior basal forebrain right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

163)	Variable Name	**Mammillary_R**
	Short Description	Mammillary body right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

164) Variable Name **Mammillary_L**

Short Description	Mammillary body left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

165) Variable Name **OpticTract_L**

Short Description	Optic tract left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

166) Variable Name **OpticTract_R**

Short Description	Optic tract right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

167) Variable Name **LV_Frontal_L**

Short Description	Lateral ventricle frontal left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

168) Variable Name **LV_body_L**

Short Description	Lateral ventricle body left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

169) Variable Name **LV_atrium_L**

Short Description	Lateral ventricle atrium left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

170)	Variable Name	**LV_Occipital_L**
	Short Description	Lateral ventricle occipital left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

171)	Variable Name	**LV_Inferior_L**
	Short Description	Lateral ventricle inferior left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

172)	Variable Name	**LV_Frontal_R**
	Short Description	Lateral ventricle frontal right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

173)	Variable Name	**LV_body_R**
	Short Description	Lateral ventricle body right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

174)	Variable Name	**LV_atrium_R**
	Short Description	Lateral ventricle atrium right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

175)	Variable Name	**LV_Occipital_R**
	Short Description	Lateral ventricle occipital right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

176)	Variable Name	**LV_Inferior_R**
	Short Description	Lateral ventricle inferior right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

177)	Variable Name	**III_ventricle**
	Short Description	Third ventricle
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

178) Variable Name **PVWa_L**

Short Description	Periventricular WM anterior left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

179) Variable Name **PVWa_R**

Short Description	Periventricular WM anterior right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

180)	Variable Name	**PVWp_L**
	Short Description	Periventricular white matter posterior left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

181)	Variable Name	**PVWp_R**
	Short Description	Periventricular white matter posterior right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

182) Variable Name **SFWM_L**

Short Description	Superior frontal WM (posterior segment) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

183) Variable Name **SFWM_R**

Short Description	Superior frontal WM (posterior segment) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

184) Variable Name **SFWM_PFC_L**

Short Description	Superior frontal WM (prefrontal cortex) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

185) Variable Name **SFWM_PFC_R**

Short Description	Superior frontal WM (prefrontal cortex) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

186) Variable Name **SFWM_pole_L**

Short Description	Superior frontal WM (frontal pole) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

187) Variable Name **SFWM_pole_R**

Short Description	Superior frontal WM (frontal pole) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

188)	Variable Name	**MFWM_L**
	Short Description	Middle frontal WM (posterior segment) left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

189)	Variable Name	**MFWM_R**
	Short Description	Middle frontal WM (posterior segment) right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

190) Variable Name **MFWM_DPFC_L**

Short Description	Middle frontal WM (dorsal prefrontal cortex) left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

191) Variable Name **MFWM_DPFC_R**

Short Description	Middle frontal WM (dorsal prefrontal cortex) right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

192)	Variable Name	**IFWM_opercularis_L**
	Short Description	Inferior frontal WM pars opercularis left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

193)	Variable Name	**IFWM_opercularis_R**
	Short Description	Inferior frontal WM pars opercularis right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

194) Variable Name **IFWM_orbitalis_L**

Short Description	Inferior frontal WM pars orbitralis left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

195) Variable Name **IFWM_orbitalis_R**

Short Description	Inferior frontal WM pars orbitralis right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

196)	Variable Name	**IFWM_triangularis_L**
	Short Description	Inferior frontal WM pars triangularis left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

197)	Variable Name	**IFWM_triangularis_R**
	Short Description	Inferior frontal WM pars triangularis right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

198) Variable Name **LFOWM_L**

Short Description	Lateral fronto-orbital WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

199) Variable Name **LFOWM_R**

Short Description	Lateral fronto-orbital WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

200)	Variable Name	**MFOWM_L**
	Short Description	Middle fronto-orbital WM left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

201)	Variable Name	**MFOWM_R**
	Short Description	Middle fronto-orbital WM right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

202) Variable Name **RGWM_L**

Short Description	Rectus WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

203) Variable Name **RGWM_R**

Short Description	Rectus WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

204) Variable Name **PoCWM_L**

Short Description	Postcentral WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

205) Variable Name **PoCWM_R**

Short Description	Postcentral WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

206) Variable Name **PrCWM_L**

Short Description	Precentral WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

207) Variable Name **PrCWM_R**

Short Description	Precentral WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

208) Variable Name **SPWM_L**

Short Description	Superior parietal WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

209) Variable Name **SPWM_R**

Short Description	Superior parietal WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

210) Variable Name **SMWM_L**

Short Description	Supramarginal WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

211) Variable Name **SMWM_R**

Short Description	Supramarginal WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

212) Variable Name **AGWM_L**

Short Description	Angular gyrus WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

213) Variable Name **AGWM_R**

Short Description	Angular gyrus WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

214) Variable Name **PrCuWM_L**

Short Description	Pre-cuneus WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

215) Variable Name **PrCuWM_R**

Short Description	Pre-cuneus WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

216) Variable Name **STWM_L**

Short Description	Superior temporal WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

217) Variable Name **STWM_R**

Short Description	Superior temporal WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

218) Variable Name **STWM_L_pole**

Short Description	Pole of superior temporal WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

219) Variable Name **STWM_R_pole**

Short Description	Pole of superior temporal WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

220) Variable Name **MTWM_L**

Short Description	Middle temporal WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

221) Variable Name **MTWM_R**

Short Description	Middle temporal WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

222)	Variable Name	**MTWM_L_pole**
	Short Description	Pole of middle temporal WM left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

223)	Variable Name	**MTWM_R_pole**
	Short Description	Pole of middle temporal WM right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

224) Variable Name **ITWM_L**

Short Description	Inferior temporal WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

225) Variable Name **ITWM_R**

Short Description	Inferior temporal WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

226) Variable Name **FuWM_L**

Short Description	Fusiform WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

227) Variable Name **FuWM_R**

Short Description	Fusiform WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

228) Variable Name **SOWM_L**

Short Description	Superior occipital WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

229) Variable Name **SOWM_R**

Short Description	Superior occipital WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

230) Variable Name **MOWM_L**

Short Description	Middle occipital WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

231) Variable Name **MOWM_R**

Short Description	Middle occipital WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

232) Variable Name **IOWM_L**

Short Description	Inferior occipital WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

233) Variable Name **IOWM_R**

Short Description	Inferior occipital WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

234) Variable Name **CuWM_L**

Short Description	Pre-cuneus WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

235) Variable Name **CuWM_R**

Short Description	Pre-cuneus WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

236) Variable Name **LGWM_L**

Short Description	Lingual gyrus WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

237) Variable Name **LGWM_R**

Short Description	Lingual gyrus WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

238)	Variable Name	**rostralWM_ACC_L**
	Short Description	Rostral anterior cingulate WM left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

239)	Variable Name	**rostralWM_ACC_R**
	Short Description	Rostral anterior cingulate WM right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

240) Variable Name **subcallosalWM_ACC_L**

Short Description	Subcallosal anterior cingulate WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

241) Variable Name **subcallosalWM_ACC_R**

Short Description	Subcallosal anterior cingulate WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

242) Variable Name **subgenualWM_ACC_L**

Short Description	Subgenual anterior cingulate WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

243) Variable Name **subgenualWM_ACC_R**

Short Description	Subgenual anterior cingulate WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

244)	Variable Name	**dorsalWM_ACC_L**
	Short Description	Dorsal anterior cingulate WM left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

245)	Variable Name	**dorsalWM_ACC_R**
	Short Description	Dorsal anterior cingulate WM right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

246) Variable Name **PCCWM_L**

Short Description	Posterior cingulate WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

247) Variable Name **PCCWM_R**

Short Description	Posterior cingulate WM right)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

248) Variable Name **CerebellumWM_R**

Short Description	Cerebellum WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

249) Variable Name **CerebellumWM_L**

Short Description	Cerebellum WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

250) Variable Name **SKULL1**

Short Description	Nonbrain structures (skull, scalp, soft tissues, etc.)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

251) Variable Name **SKULL2**

Short Description	Nonbrain structures (skull, scalp, soft tissues, cavities, outside, etc.)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

252) Variable Name **SKULL3**

Short Description	Nonbrain structures (may include the optic chiasm and pituitary gland)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

253) Variable Name **MCP_cb_L**

Short Description	Middle cerebellar peduncle cerebellar part left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

254) Variable Name **MCP_cb_R**

Short Description	Middle cerebellar peduncle cerebellar part right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

255) Variable Name **Bone**

Short Description	Nonbrain structures (dura, bone marrow, etc.)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

256) Variable Name **ICP_cb_L**

Short Description	Inferior cerebellum peduncle - cerebellar portion left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

257) Variable Name **ICP_cb_R**

Short Description	Inferior cerebellum peduncle - cerebellar portion right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

258) Variable Name **FrontSul_L**

Short Description	Frontal lobe sulci left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

259) Variable Name **FrontSul_R**

Short Description	Frontal lobe sulci right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

260) Variable Name **CentralSul_L**

Short Description	Central sulcus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

261) Variable Name **CentralSul_R**

Short Description	Central sulcus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

262	Variable Name	**SylFrontSul_L**
	Short Description	Sylvian fissure frontal lobe part left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

263)	Variable Name	**SylFrontSul_R**
	Short Description	Sylvian fissure frontal lobe part right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

264) Variable Name **SylTempSul_L**

Short Description	Sylvian fissure temporal lobe part left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

265) Variable Name **SylTempSul_R**

Short Description	Sylvian fissure temporal lobe part right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

266) Variable Name **SylParieSul_L**

Short Description	Sylvian fissure parietal lobe part left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

267) Variable Name **SylParieSul_R**

Short Description	Sylvian fissure parietal lobe part right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

268) Variable Name **ParietSul_L**

Short Description	Parietal lobe sulci left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

269) Variable Name **ParietSul_R**

Short Description	Parietal lobe sulci right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

270) Variable Name **CinguSul_L**

Short Description	Cingular cortex sulci left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

271) Variable Name **CinguSul_R**

Short Description	Cingular cortex sulci right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

272) Variable Name **OcciptSul_L**

Short Description	Occipital lobe sulci left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

273) Variable Name **OcciptSul_R**

Short Description	Occipital lobe sulci right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

274) Variable Name **TempSul_L**

Short Description	Temporal sulcus left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

275) Variable Name **TempSul_R**

Short Description	Temporal sulcus right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

276)	Variable Name	**Caudate_tail_L**
	Short Description	Caudate tail left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

277)	Variable Name	**Fimbria_L**
	Short Description	Fimbria left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

278)	Variable Name	**Caudate_tail_R**
	Short Description	Caudate tail right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

279)	Variable Name	**Fimbria_R**
	Short Description	Fimbria right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

280) Variable Name **Chroid_LVetc_L**

Short Description	Choroid plexus in the lateral ventricle left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

281) Variable Name **Chroid_LVetc_R**

Short Description	Choroid plexus in the lateral ventricle right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

282) Variable Name **IV_ventricle**

Short Description	Fourth ventricle
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

283) Variable Name **ECCL_L**

Short Description	External capsule / claustrum left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

284)	Variable Name	**ECCL_R**
	Short Description	External capsule / claustrum right
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

285)	Variable Name	**Pons_L**
	Short Description	Pons left
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

286) Variable Name **Pons_R**

Short Description	Pons right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

287) Variable Name **Medulla_L**

Short Description	Medulla left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

288) Variable Name **Medulla_R**

Short Description	Medulla right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

289) Variable Name **CSF**

Short Description	CSF, and soft tissues and bones adjacent to the CSF area (includes CSF and various types of T1 low intensity soft tissues/bones, such as the dura mater, facial bone, skull, choroid plexus, etc.)
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

290) Variable Name **Frontal_L**

Short Description	Frontal lobe left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

291) Variable Name **Frontal_R**

Short Description	Frontal lobe right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

292) Variable Name **Parietal_L**

Short Description	Parietal lobe left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

293) Variable Name **Parietal_R**

Short Description	Parietal lobe right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

294) Variable Name **Temporal_L**

Short Description	Temporal lobe left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

295) Variable Name **Temporal_R**

Short Description	Temporal lobe right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

296) Variable Name **Limbic_L**

Short Description	Limbic lobe left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

297) Variable Name **Limbic_R**

Short Description	Limbic lobe right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

298) Variable Name **Occipital_L**

Short Description	Occipital lobe left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

299) Variable Name **Occipital_R**

Short Description	Occipital lobe right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

300) Variable Name **BasalGang_L**

Short Description	Basal ganglia left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

301) Variable Name **BasalGang_R**

Short Description	Basal ganglia right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

302) Variable Name **BasalForebrain_L**

Short Description	Basal forebrain left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

303) Variable Name **BasalForebrain_R**

Short Description	Basal forebrain right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

304)	Variable Name	**midbrain_L_L3**
	Short Description	Midbrain left (from MRICloud Level 3
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

305)	Variable Name	**midbrain_R_L3**
	Short Description	Midbrain right (from MRICloud Level 3)
	Source	NA
	Question Text	NA
	Time of Collection	Baseline and Follow-up
	Data Type	Numeric
	Allowable Codes	Min = 0.5 Max = 2.0
	Missing OK If	NA
	Audit Findings	NA
	Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

306) Variable Name **Cerebellum_R**

Short Description	Cerebellum right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

307) Variable Name **Cerebellum_L**

Short Description	Cerebellum left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

308) Variable Name **AnteriorWM_L**

Short Description	Anterior WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

309) Variable Name **AnteriorWM_R**

Short Description	Anterior WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

310) Variable Name **PosteriorWM_L**

Short Description	Posterior WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

311) Variable Name **PosteriorWM_R**

Short Description	Posterior WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

312) Variable Name **CorpusCallosum_L**

Short Description	Corpus callosum left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

313) Variable Name **CorpusCallosum_R**

Short Description	Corpus callosum right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

314) Variable Name **InferiorWM_L**

Short Description	Inferior WM left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

315) Variable Name **InferiorWM_R**

Short Description	Inferior WM right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

316) Variable Name **LimbicWM_L**

Short Description: Limbic WM left

Source: NA

Question Text: NA

Time of Collection: Baseline and Follow-up

Data Type: Numeric

Allowable Codes: Min = 0.5
Max = 2.0

Missing OK If: NA

Audit Findings: NA

Comments: The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area.

Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

317) Variable Name **LimbicWM_R**

Short Description: Limbic WM right

Source: NA

Question Text: NA

Time of Collection: Baseline and Follow-up

Data Type: Numeric

Allowable Codes: Min = 0.5
Max = 2.0

Missing OK If: NA

Audit Findings: NA

Comments: The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area.

Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

318) Variable Name **LateralVentricle_L**

Short Description	Lateral ventricle left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

319) Variable Name **LateralVentricle_R**

Short Description	Lateral ventricle right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

320) Variable Name **SylvianFissureExt_L**

Short Description	Sylvian fissure and the caudal extension left
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.

321) Variable Name **SylvianFissureExt_R**

Short Description	Sylvian fissure and the caudal extension right
Source	NA
Question Text	NA
Time of Collection	Baseline and Follow-up
Data Type	Numeric
Allowable Codes	Min = 0.5 Max = 2.0
Missing OK If	NA
Audit Findings	NA
Comments	The spreadsheet contains distribution volume ratios (DVRs), which were calculated using the cerebellar gray matter as reference tissue. Mean cortical DVR (cDVR; variable name: 'CerebralCortex') was calculated as the average of the DVR values in the following MRICloud regions: (1) frontal cortex, excluding prefrontal gyrus; (2) parietal cortex, postcentral gyrus; (3) temporal cortex, excluding fusiform gyrus; (4) occipital cortex, excluding cuneus and lingual gyrus; and (5) cingulate gyrus and insula, excluding parahippocampal gyrus and entorhinal area. Reference for pipeline: Bilgel M, An Y, Helphrey J, et al. Effects of amyloid pathology and neurodegeneration on cognitive change in cognitively normal adults. Brain 2018; 8: 2475–2485.