



RESEARCHERS DATA DICTIONARY

SCAN MRI Data

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Introduction

The Researcher's Data Dictionary – Standardized Centralized Alzheimer's and Related Dementias Neuroimaging (SCAN) MRI Data is intended to be the first and primary resource for researchers analyzing SCAN MRI summary and analysis data for Uniform Data Set (UDS) participants. The SCAN imaging database is a large, freely available sample of MRI scans and numerical values that are linked to the standardized UDS and Neuropathology (NP) data at the National Alzheimer's Coordinating Center (NACC) and can also be linked to genotype data from the Alzheimer's Disease Genetics Consortium (ADGC).

SCAN MRI Data is most appropriately described as a sample of standardized images, submitted by several Alzheimer's Disease Researcher Centers (ADRCs) following clearly defined SCAN MRI acquisition protocols. All SCAN image data has been collected and submitted after January 2021. MR images undergo defacing, protocol compliance check, and quality assessment at the Aging and Dementia Imaging Research (ADIR) Laboratory at Mayo Clinic to produce SCAN quality control (QC) data.

For a subset of the MRIs, calculated summary measurements (e.g., volumes) are also available. The University of California, Davis team performs standard processing of all MR images that have passed QC using FreeSurfer to provide standard readouts. These include the parcellations of regional brain volumes, cortical thickness, and surface area for 31 bilateral gray matter regions from the Desikan-Killiany atlas.

Definitions

Original variables are coded as they are collected from the MRI DICOM header during imaging processing at SCAN. In some instances, SCAN had added codes to explain missing data and to facilitate use of the variable in analysis (e.g., an 88 code to indicate data not collected for this subject and 99 to indicate data missing for this variable), but the essential format of the variable remains unchanged.

SECTION 1: MRI QC

NACCID

Short descriptor	NACC Participant ID
Data type	Character cross-sectional
Data Source	NACC derived
Allowable codes	Prefix "NACC" followed by 6 numerals
Description/ derivation	Randomly generated ID that replaces the patient ID in research data files.

NACCADC

Short descriptor	ADC at which participant was seen
Data type	Numeric cross-sectional
Data Source	NACC derived
Allowable codes	100 - 9999
Description/ derivation	Randomly generated ID that replaces the ADC ID in research data files

STUDYDATE

Short descriptor	Study Date
Data type	Numeric longitudinal
Data Source	MRI DICOM header
Allowable codes	YYYY-MM-DD
Description/ derivation	Date the MRI was performed.

SERIESTIME

Short descriptor	Series Time
Data type	Numeric longitudinal
Data Source	MRI DICOM header
Allowable codes	HH:MM:SS (<blank>)=Unknown
Description/ derivation	Time the MRI was performed.

SERIESTYPE

Short descriptor	Series Acquisition Type
Data type	Character longitudinal
Data Source	MRI DICOM header
Allowable codes	Any text or numbers

SERIESNUMBER

Short descriptor	DICOM Series Number
Data type	Numeric longitudinal
Data Source	MRI DICOM header
Allowable codes	Any integer

STUDYQC

Short descriptor	Study Overall Quality Assessment
Data type	Numeric longitudinal
Data Type	SCAN
Allowable codes	(-1) Not evaluated (1) Pass (4) Fail

STUDYQCOMMENT

Short descriptor	Study QC Comments
Data type	Character longitudinal
Data Source	SCAN
Allowable codes	Any text or numbers

STUDYPROTOCOL

Short descriptor	Study Protocol Status
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(-1) Not assessed (1) Pass (3) Internal ADIR use only (4) Fail

STUDYPROTOCOLCOMMENT

Short descriptor	Study Protocol Comment
Data type	Character longitudinal
Data Source	SCAN
Allowable codes	Any text or numbers

STUDYRESCANREQUESTED

Short descriptor	Study Rescan Requested
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(0) no rescan is needed (1) rescan requested

SERIESDESCRIPTION

Short descriptor	DICOM Series Description
Data type	Character longitudinal
Data Source	MRI DICOM header
Allowable codes	Any text or numbers

SERIESQC

Short descriptor	Series Quality Assessment
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(-1) Not assessed (1) Excellent (2) Good (3) Fair (4) Unusable

SERIESQCREASONS

Short descriptor	Series Quality Assessment Comments
Data type	Character longitudinal
Data Source	SCAN
Allowable codes	Any text or numbers

SERIESPROTOCOL

Short descriptor	Series Protocol Status
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(-1) Not assessed (1) Pass (3) Internal ADIR use only (4) Fail (5) Not recognized

SERIESPROTOCOLCOMMENT

Short descriptor	Series Protocol Comments
Data type	Character longitudinal
Data Source	SCAN
Allowable codes	Any text or numbers

SERIESCHOSEN

Short descriptor	Series Chosen
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(0) Do not use (1) Use

SERIALEXAM

Short descriptor	Serial Exam
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(-1) Not assessed (0) Baseline (1) Matches (2) Doesn't match (3) Other
Description/ derivation	Identifies if scan is baseline or matches previous scans from the participant

MEDICALABNORMALITIES

Short descriptor	Study Medical Abnormalities
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(-1) Not assessed (0) No medical abnormalities found (1) Medical abnormalities identified

MEDICALEXCLUSION

Short descriptor	Medical Exclusion
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(0) No medical exclusion criteria identified (1) Exclusionary criteria identified
Description/ derivation	Indicates exclusion criteria has been identified

RELEASEFORANALYSIS

Short descriptor	Release for analysis
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(-1) Not assessed (1) Correct protocol and passed quality check (2) Correct protocol and failed quality check (3) Incorrect protocol or image not managed at Mayo
Description/ derivation	Indicates DICOM study meets criteria and can be released for analysis

SCANNERMANUFACTURER

Short descriptor	DICOM Scanner Manufacturer
Data type	Character longitudinal
Data Source	MRI DICOM header
Allowable codes	GE PHILIPS SIEMENS OTHER UNKNOWN

SCANNERMODEL

Short descriptor	DICOM Scanner Model
Data type	Character longitudinal
Data Source	MRI DICOM header
Allowable codes	Any text or numbers

SOFTWAREVERSION

Short descriptor	DICOM Software Version
Data type	Character longitudinal
Data Source	MRI DICOM header
Allowable codes	Any text or numbers
Description/ derivation	May be extracted from vendor private tags

MAGNETICFIELDSTRENGTH

Short descriptor	Scanner Field Strength (tesla)
Data type	Character longitudinal
Data Source	MRI DICOM header
Allowable codes	<blank> 1.5 3 7

RECEIVECOILNAME

Short descriptor	Receive Coil Name
Data type	Character longitudinal
Data Source	MRI DICOM header
Allowable codes	Any text or numbers

DEFACESTATUS

Short descriptor	Deface Status
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	(-1) Not Assessed (1) Defaced (2) Not defaced (4) Defacing failed (5) DICOM re-upload may be required

LONISTUDY

Short descriptor	LONI Study ID
Data type	Character longitudinal
Data Source	SCAN
Variable length	XXXXXX

LONISERIES

Short descriptor	LONI Series ID
Data type	Character longitudinal
Data Source	SCAN
Variable length	XXXXXXXX

LONIIMAGE

Short descriptor	LONI Image ID
Data type	Character longitudinal
Data Source	SCAN
Variable length	XXXXXXXXXX

SECTION 2: MRI SUMMARY BRAIN MEASUREMENT

NACCID

Short descriptor	NACC Participant ID
Data type	Character cross-sectional
Data Source	NACC derived
Allowable codes	Prefix "NACC" followed by 6 numerals
Description/ derivation	Randomly generated ID that replaces the patient ID in research data files.

NACCADC

Short descriptor	ADC at which participant was seen
Data type	Numeric cross-sectional
Data Source	NACC derived
Allowable codes	100 - 9999
Description/ derivation	Randomly generated ID that replaces the ADC ID in research data files.

SCANDT

Short descriptor	Scan Date
Data type	Numeric longitudinal
Data Source	MRI DICOM header
Allowable codes	YYYY-MM-DD
Description/ derivation	Date the MRI was performed.

LONI_IMAGE_FLAIR

Short descriptor	LONI image ID
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	Eight numerals

DESCRIPTION_FLAIR

Short descriptor	Flair Description
Data type	Character longitudinal
Data Source	SCAN
Allowable codes	Any text or number

LONI_IMAGE_T1

Short descriptor	LONI Image ID
Data type	Numeric longitudinal
Data Source	SCAN
Allowable codes	Eight numerals

DESCRIPTION_T1

Short descriptor	T1 Description
Data type	Character longitudinal
Data Source	SCAN
Allowable codes	Any text or numbers

FREESURFER_VERSION

Short descriptor	Freesurfer Version
Data type	Character longitudinal
Data Source	SCAN
Allowable codes	Any text or numbers

CEREBRUMTCV

Short descriptor	Cerebrum Total Cranial Volume (cc)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX.XXX

GM

Short descriptor	Gray Matter Volume (cc)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXX.XXX

HIPPOCAMPUS

Short descriptor	Total Hippocampus Volume (cc)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXXXX

WMH

Short descriptor	White Matter Hyperintensity Volume (cc)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XX.XXX

LEFT_HIPPO

Short descriptor	Left Hemisphere Hippocampus Volume (cc)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXXXX

RIGHT_HIPPO

Short descriptor	Right Hemisphere Hippocampus Volume (cc)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXXXX

LH_CAUDALANTERIORCINGULATE_GVOL

Short descriptor	Left Caudal Anterior Cingulate Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_CAUDALANTERIORCINGULATE_GVOL

Short descriptor	Right Caudal Anterior Cingulate Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_CAUDALANTERIORCINGULATE_SAREA

Short descriptor	Left Caudal Anterior Cingulate Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_CAUDALANTERIORCINGULATE_SAREA

Short descriptor	Right Caudal Anterior Cingulate Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_CAUDALANTERIORCINGULATE_AVGTH

Short descriptor	Left Caudal Anterior Cingulate Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_CAUDALANTERIORCINGULATE_AVGTH

Short descriptor	Right Caudal Anterior Cingulate Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_CAUDALMIDDLEFRONTAL_GVOL

Short descriptor	Left Caudal Middle Frontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_CAUDALMIDDLEFRONTAL_GVOL

Short descriptor	Right Caudal Middle Frontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_CAUDALMIDDLEFRONTAL_SAREA

Short descriptor	Left Caudal Middle Frontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_CAUDALMIDDLEFRONTAL_SAREA

Short descriptor	Right Caudal Middle Frontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_CAUDALMIDDLEFRONTAL_AVGTH

Short descriptor	Left Caudal Middle Frontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_CAUDALMIDDLEFRONTAL_AVGTH

Short descriptor	Right Caudal Middle Frontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_CUNEUS_GVOL

Short descriptor	Left Cuneus Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_CUNEUS_GVOL

Short descriptor	Right Cuneus Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_CUNEUS_SAREA

Short descriptor	Left Cuneus Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_CUNEUS_SAREA

Short descriptor	Right Cuneus Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_CUNEUS_AVGTH

Short descriptor	Left Cuneus Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_CUNEUS_AVGTH

Short descriptor Right Cuneus Average Thickness (mm)
 Data type Numeric longitudinal
 Data Source SCAN
 Variable length **X.XXX**

LH_ENTORHINAL_GVOL

Short descriptor Left Entorhinal Gray Volume (mm³)
 Data type Numeric longitudinal
 Data Source SCAN
 Variable length **XXXX**

RH_ENTORHINAL_GVOL

Short descriptor Right Entorhinal Gray Volume (mm³)
 Data type Numeric longitudinal
 Data Source SCAN
 Variable length **XXXX**

LH_ENTORHINAL_SAREA

Short descriptor Left Entorhinal Surface Area (mm²)
 Data type Numeric longitudinal
 Data Source SCAN
 Variable length **XXXX**

RH_ENTORHINAL_SAREA

Short descriptor Right Entorhinal Surface Area (mm²)
 Data type Numeric longitudinal
 Data Source SCAN
 Variable length **XXXX**

LH_ENTORHINAL_AVGTH

Short descriptor Left Entorhinal Average Thickness (mm)
 Data type Numeric longitudinal
 Data Source SCAN
 Variable length **X.XXX**

RH_ENTORHINAL_AVGTH

Short descriptor Right Entorhinal Average Thickness (mm)
 Data type Numeric longitudinal
 Data Source SCAN
 Variable length **X.XXX**

LH_FUSIFORM_GVOL

Short descriptor Left Fusiform Gray Volume (mm³)
 Data type Numeric longitudinal
 Data Source SCAN
 Variable length **XXXX**

RH_FUSIFORM_GVOL

Short descriptor	Right Fusiform Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_FUSIFORM_SAREA

Short descriptor	Left Fusiform Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_FUSIFORM_SAREA

Short descriptor	Right Fusiform Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_FUSIFORM_AVGTH

Short descriptor	Left Fusiform Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_FUSIFORM_AVGTH

Short descriptor	Right Fusiform Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_INFERIORPARIETAL_GVOL

Short descriptor	Left Inferior Parietal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_INFERIORPARIETAL_GVOL

Short descriptor	Right Inferior Parietal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_INFERIORPARIETAL_SAREA

Short descriptor	Left Inferior Parietal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_INFERIORPARIETAL_SAREA

Short descriptor	Right Inferior Parietal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_INFERIORPARIETAL_AVGTH

Short descriptor	Left Inferior Parietal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_INFERIORPARIETAL_AVGTH

Short descriptor	Right Inferior Parietal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_INFERIOREMPORAL_GVOL

Short descriptor	Left Inferior Temporal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_INFERIOREMPORAL_GVOL

Short descriptor	Right Inferior Temporal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_INFERIOREMPORAL_SAREA

Short descriptor	Left Inferior Temporal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_INFERIOREMPORAL_SAREA

Short descriptor	Right Inferior Temporal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_INFERIOREMPORAL_AVGTH

Short descriptor	Left Inferior Temporal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_INFERIORETEMPORAL_AVGTH

Short descriptor	Right Inferior Temporal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_ISTHUSCINGULATE_GVOL

Short descriptor	Left Isthmus Cingulate Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_ISTHUSCINGULATE_GVOL

Short descriptor	Right Isthmus Cingulate Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_ISTHUSCINGULATE_SAREA

Short descriptor	Left Isthmus Cingulate Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_ISTHUSCINGULATE_SAREA

Short descriptor	Right Isthmus Cingulate Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_ISTHUSCINGULATE_AVGTH

Short descriptor	Left Isthmus Cingulate Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_ISTHUSCINGULATE_AVGTH

Short descriptor	Right Isthmus Cingulate Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_LATERALOCIPITAL_GVOL

Short descriptor	Left Lateral Occipital Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_LATERALOCIPITAL_GVOL

Short descriptor	Right Lateral Occipital Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_LATERALOCIPITAL_SAREA

Short descriptor	Left Lateral Occipital Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_LATERALOCIPITAL_SAREA

Short descriptor	Right Lateral Occipital Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_LATERALOCIPITAL_AVGTH

Short descriptor	Left Lateral Occipital Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_LATERALOCIPITAL_SAREA

Short descriptor	Right Lateral Occipital Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_LATERALORBITOFRONTAL_GVOL

Short descriptor	Left Lateral Orbitofrontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_LATERALORBITOFRONTAL_SAREA

Short descriptor	Right Lateral Orbitofrontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_LATERALORBITOFRONTAL_SAREA

Short descriptor	Left Lateral Orbitofrontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_LATERALORBITOFRONTAL_SAREA

Short descriptor	Right Lateral Orbitofrontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_LATERALORBITOFRONTAL_AVGTH

Short descriptor	Left Lateral Orbitofrontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_LATERALORBITOFRONTAL_AVGTH

Short descriptor	Right Lateral Orbitofrontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_LINGUAL_GVOL

Short descriptor	Left Lingual Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_LINGUAL_GVOL

Short descriptor	Right Lingual Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_LINGUAL_SAREA

Short descriptor	Left Lingual Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_LINGUAL_SAREA

Short descriptor	Right Lingual Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_LINGUAL_AVGTH

Short descriptor	Left Lingual Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_LINGUAL_AVGTH

Short descriptor	Right Lingual Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_MEDIALORBITOFRONTAL_GVOL

Short descriptor	Left Medial Orbitofrontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_MEDIALORBITOFRONTAL_GVOL

Short descriptor	Right Medial Orbitofrontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_MEDIALORBITOFRONTAL_SAREA

Short descriptor	Left Medial Orbitofrontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_MEDIALORBITOFRONTAL_SAREA

Short descriptor	Right Medial Orbitofrontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_MEDIALORBITOFRONTAL_AVGTH

Short descriptor	Left Medial Orbitofrontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_MEDIALORBITOFRONTAL_AVGTH

Short descriptor	Right Medial Orbitofrontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_MIDDLETEMPORAL_GVOL

Short descriptor	Left Middle Temporal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_MIDDLETEMPORAL_GVOL

Short descriptor	Right Middle Temporal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_MIDDLETEMPORAL_SAREA

Short descriptor	Left Middle Temporal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_MIDDLETEMPORAL_SAREA

Short descriptor	Right Middle Temporal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_MIDDLETEMPORAL_AVGTH

Short descriptor	Left Middle Temporal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_MIDDLETEMPORAL_AVGTH

Short descriptor	Right Middle Temporal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_PARAHIPPOCAMPAL_GVOL

Short descriptor	Left Parahippocampal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARAHIPPOCAMPAL_GVOL

Short descriptor	Right Parahippocampal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARAHIPPOCAMPAL_SAREA

Short descriptor	Left Parahippocampal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARAHIPPOCAMPAL_SAREA

Short descriptor	Right Parahippocampal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARAHIPPOCAMPAL_AVGTH

Short descriptor	Left Parahippocampal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_PARAHIPPOCAMPAL_AVGTH

Short descriptor	Right Parahippocampal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_PARACENTRAL_GVOL

Short descriptor	Left Paracentral Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARACENTRAL_GVOL

Short descriptor	Right Paracentral Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARACENTRAL_SAREA

Short descriptor	Left Paracentral Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARACENTRAL_SAREA

Short descriptor	Right Paracentral Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARACENTRAL_AVGTH

Short descriptor	Left Paracentral Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_PARACENTRAL_AVGTH

Short descriptor	Right Paracentral Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_PARSOPERCULARIS_GVOL

Short descriptor	Left Parsopercularis Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARSOPERCULARIS_GVOL

Short descriptor	Right Parsopercularis Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARSOPERCULARIS_SAREA

Short descriptor	Left Parsopercularis Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARSOPERCULARIS_SAREA

Short descriptor	Right Parsopercularis Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARSOPERCULARIS_AVGTH

Short descriptor	Left Parsopercularis Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_PARSOPERCULARIS_AVGTH

Short descriptor	Right Parsopercularis Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_PARSORBITALIS_GVOL

Short descriptor	Left Parsorbitalis Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARSORBITALIS_GVOL

Short descriptor	Right Parsorbitalis Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARSORBITALIS_SAREA

Short descriptor	Left Parsorbitalis Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARSORBITALIS_SAREA

Short descriptor	Right Parsorbitalis Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARSORBITALIS_AVGTH

Short descriptor	Left Parsorbitalis Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_PARSORBITALIS_AVGTH

Short descriptor	Right Parsorbitalis Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_PARSTRIANGULARIS_GVOL

Short descriptor	Left Parstriangularis Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARSTRIANGULARIS_GVOL

Short descriptor	Right Parstriangularis Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARSTRIANGULARIS_SAREA

Short descriptor	Left Parstriangularis Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PARSTRIANGULARIS_SAREA

Short descriptor	Right Parstriangularis Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PARSTRIANGULARIS_AVGTH

Short descriptor	Left Parstriangularis Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_PARSTRIANGULARIS_AVGTH

Short descriptor	Right Parstriangularis Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_PERICALCARINE_GVOL

Short descriptor	Left Pericalcarine Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PERICALCARINE_GVOL

Short descriptor	Right Pericalcarine Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PERICALCARINE_SAREA

Short descriptor	Left Pericalcarine Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PERICALCARINE_SAREA

Short descriptor	Right Pericalcarine Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PERICALCARINE_AVGTH

Short descriptor	Left Pericalcarine Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_PERICALCARINE_AVGTH

Short descriptor	Right Pericalcarine Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_POSTCENTRAL_GVOL

Short descriptor	Left Postcentral Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_POSTCENTRAL_GVOL

Short descriptor	Right Postcentral Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_POSTCENTRAL_SAREA

Short descriptor	Left Postcentral Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_POSTCENTRAL_SAREA

Short descriptor	Right Postcentral Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_POSTCENTRAL_AVGTH

Short descriptor	Left Postcentral Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_POSTCENTRAL_AVGTH

Short descriptor	Right Postcentral Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_POSTERIORCINGULATE_GVOL

Short descriptor	Left Posterior Cingulate Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_POSTERIORCINGULATE_GVOL

Short descriptor	Right Posterior Cingulate Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_POSTERIORCINGULATE_SAREA

Short descriptor	Left Posterior Cingulate Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_POSTERIORCINGULATE_SAREA

Short descriptor	Right Posterior Cingulate Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_POSTERIORCINGULATE_AVGTH

Short descriptor	Left Posterior Cingulate Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_POSTERIORCINGULATE_AVGTH

Short descriptor	Right Posterior Cingulate Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_PRECENTRAL_GVOL

Short descriptor	Left Precentral Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PRECENTRAL_GVOL

Short descriptor	Right Precentral Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PRECENTRAL_SAREA

Short descriptor	Left Precentral Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PRECENTRAL_SAREA

Short descriptor	Right Precentral Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PRECENTRAL_AVGTH

Short descriptor	Left Precentral Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_PRECENTRAL_AVGTH

Short descriptor	Right Precentral Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_PRECUNEUS_GVOL

Short descriptor	Left Precuneus Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PRECUNEUS_GVOL

Short descriptor	Right Precuneus Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PRECUNEUS_SAREA

Short descriptor	Left Precuneus Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_PRECUNEUS_SAREA

Short descriptor	Right Precuneus Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_PRECUNEUS_AVGTH

Short descriptor	Left Precuneus Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_PRECUNEUS_AVGTH

Short descriptor	Right Precuneus Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_ROSTRALANTERIORCINGULATE_GVOL

Short descriptor	Left Rostral Anterior Cingulate Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_ROSTRALANTERIORCINGULATE_GVOL

Short descriptor	Right Rostral Anterior Cingulate Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_ROSTRALANTERIORCINGULATE_SAREA

Short descriptor	Left Rostral Anterior Cingulate Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_ROSTRALANTERIORCINGULATE_SAREA

Short descriptor	Right Rostral Anterior Cingulate Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_ROSTRALANTERIORCINGULATE_AVGTH

Short descriptor	Left Rostral Anterior Cingulate Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_ROSTRALANTERIORCINGULATE_AVGTH

Short descriptor	Right Rostral Anterior Cingulate Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_ROSTRALMIDDLEFRONTAL_GVOL

Short descriptor	Left Rostral Middle Frontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_ROSTRALMIDDLEFRONTAL_GVOL

Short descriptor	Right Rostral Middle Frontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_ROSTRALMIDDLEFRONTAL_SAREA

Short descriptor	Left Rostral Middle Frontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_ROSTRALMIDDLEFRONTAL_SAREA

Short descriptor	Right Rostral Middle Frontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_ROSTRALMIDDLEFRONTAL_AVGTH

Short descriptor	Left Rostral Middle Frontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_ROSTRALMIDDLEFRONTAL_AVGTH

Short descriptor	Right Rostral Middle Frontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_SUPERIORFRONTAL_GVOL

Short descriptor	Left Superior Frontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_SUPERIORFRONTAL_GVOL

Short descriptor	Right Superior Frontal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_SUPERIORFRONTAL_SAREA

Short descriptor	Left Superior Frontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_SUPERIORFRONTAL_SAREA

Short descriptor	Right Superior Frontal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_SUPERIORFRONTAL_AVGTH

Short descriptor	Left Superior Frontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_SUPERIORFRONTAL_AVGTH

Short descriptor	Right Superior Frontal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_SUPERIORPARIETAL_GVOL

Short descriptor	Left Superior Parietal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_SUPERIORPARIETAL_GVOL

Short descriptor	Right Superior Parietal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_SUPERIORPARIETAL_SAREA

Short descriptor	Left Superior Parietal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_SUPERIORPARIETAL_SAREA

Short descriptor	Right Superior Parietal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_SUPERIORPARIETAL_AVGTH

Short descriptor	Left Superior Parietal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_SUPERIORPARIETAL_AVGTH

Short descriptor	Right Superior Parietal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_SUPERIORETEMPORAL_GVOL

Short descriptor	Left Superior Temporal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_SUPERIORETEMPORAL_GVOL

Short descriptor	Right Superior Temporal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_SUPERIORETEMPORAL_SAREA

Short descriptor	Left Superior Temporal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_SUPERIORETEMPORAL_SAREA

Short descriptor	Right Superior Temporal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_SUPERIORETEMPORAL_AVGTH

Short descriptor	Left Superior Temporal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_SUPERIORETEMPORAL_AVGTH

Short descriptor	Right Superior Temporal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_SUPRAMARGINAL_GVOL

Short descriptor	Left Supramarginal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_SUPRAMARGINAL_GVOL

Short descriptor	Right Supramarginal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_SUPRAMARGINAL_SAREA

Short descriptor	Left Supramarginal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_SUPRAMARGINAL_SAREA

Short descriptor	Right Supramarginal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_SUPRAMARGINAL_AVGTH

Short descriptor	Left Supramarginal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_SUPRAMARGINAL_AVGTH

Short descriptor	Right Supramarginal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_TRANSVERSETEMPORAL_GVOL

Short descriptor	Left Transverse Temporal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_TRANSVERSETEMPORAL_GVOL

Short descriptor	Right Transverse Temporal Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_TRANSVERSETEMPORAL_SAREA

Short descriptor	Left Transverse Temporal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_TRANSVERSETEMPORAL_SAREA

Short descriptor	Right Transverse Temporal Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_TRANSVERSETEMPORAL_AVGTH

Short descriptor	Left Transverse Temporal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_TRANSVERSETEMPORAL_AVGTH

Short descriptor	Right Transverse Temporal Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

LH_INSULA_GVOL

Short descriptor	Left Insula Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_INSULA_GVOL

Short descriptor	Right Insula Gray Volume (mm ³)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_INSULA_SAREA

Short descriptor	Left Insula Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

RH_INSULA_SAREA

Short descriptor	Right Insula Surface Area (mm ²)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	XXXX

LH_INSULA_AVGTH

Short descriptor	Left Insula Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX

RH_INSULA_AVGTH

Short descriptor	Right Insula Average Thickness (mm)
Data type	Numeric longitudinal
Data Source	SCAN
Variable length	X.XXX
