

FHS MRI Brain Freesurfer Protocol

This document gives basic information for understanding the data table for the FreeSurfer analysis of the Framingham Heart Study data (FHS). The data table has over 1150 measurements for each participant visit. Each column is a measure and each row is a visit for a given participant. The measurements are organized into collections indicated by the first string before a period.

info

Basic information about the subject and the scan and some basic QA.

info.Cohort -- FHS cohort number (0, 1, 2, 3, 7, 72)

info.ID_num – four digit FHS ID number.

info.TimePoint – 0=baseline, 1=2nd visit, etc

info.freesurfer_id – FreeSurfer subject name (how it appears on disk)

info.vox_size – voxel size of the MRI data (mm³)

info.flip_angle – flip angle of the MRI anatomical protocol

info.TR – repetition time of the MRI anatomical protocol

info.TE – echo time of the MRI anatomical protocol

info.TI – inversion time of the MRI anatomical protocol

info.scan_date – date of the visit

info.field_strength – field strength of the scanner

info.scanner_manufacturer – scanner manufacturer

info.scanner_model – scanner model

info.wm.snr – QA measure. SNR computed as mean of WM/standard deviation across WM

info.gw.cnr – QA measure. Contrast to noise (CNR) between cortex and WM

info.overall.score – QA measure, manual/visual score

info.mancheck.date – date that manual check was finished

brainvol

These are whole brain volume measures.

See <https://surfer.nmr.mgh.harvard.edu/fswiki/MorphometryStats> for more information. They are derived from the aseg stats by simply computing the sum of the volumes for the constituent ROIs.

Note that the estimated intracranial volume is located in the aseg collection as `aseg.eTIV.mm^3`.

Variable Name	Description
brainvol.BrainSegVol.mm.3	Brain segmentation volume (mm ³)
brainvol.BrainSegVolNotVent.mm.3	Brain segmentation volume without ventricles (mm ³)
brainvol.SupraTentorialVol.mm.3	Supratentorial volume (mm ³)
brainvol.SupraTentorialVolNotVent.mm.3	Supratentorial volume without ventricles (mm ³)
brainvol.SubCortGrayVol.mm.3	Subcortical gray matter volume (mm ³)
brainvol.lhCortexVol.mm.3	Left hemisphere cortical gray matter volume (mm ³)
brainvol.rhCortexVol.mm.3	Right hemisphere cortical gray matter volume (mm ³)
brainvol.CortexVol.mm.3	Total cortical gray matter volume (mm ³)
brainvol.TotalGrayVol.mm.3	Total gray matter volume (mm ³)
brainvol.lhCerebralWhiteMatterVol.mm.3	Left hemisphere cerebral white matter volume (mm ³)
brainvol.rhCerebralWhiteMatterVol.mm.3	Right hemisphere cerebral white matter volume (mm ³)
brainvol.CerebralWhiteMatterVol.mm.3	Total cerebral white matter volume (mm ³)
brainvol.SupraTentorialVolNotVentVox.mm.3	Supratentorial volume without ventricles voxel count (mm ³)
brainvol.BrainSegVolNotVentSurf.mm.3	Brain segmentation volume without ventricles from Surf (mm ³)
brainvol.VentricleChoroidVol.mm.3	Volume of ventricles and choroid plexus (mm ³)

aseg

This collection holds the automatic whole brain segmentation (Fischl et al., 2002), e.g., whole hippocampus, thalamus, cerebellum, etc.

The source is from stats/aseg.stats as created by recon-all.

Note that the estimated intracranial volume (eTIV, Buckner et al., 2004) is in this collection as `aseg.eTIV.mm^3`. This should be used to normalize volumes and surface areas.

Variable Name	Description
aseg.eTIV.mm.3	Estimated intracranial volume (mm ³)
aseg.Left.Lateral.Ventricle_Volume.mm.3	Left lateral ventricle volume (mm ³)
aseg.Left.Inf.Lat.Vent_Volume.mm.3	Left inferior lateral ventricle volume (mm ³)
aseg.Left.Cerebellum.White.Matter_Volume.mm.3	Left cerebellum white matter volume (mm ³)
aseg.Left.Cerebellum.Cortex_Volume.mm.3	Left cerebellum cortex volume (mm ³)
aseg.Left.Thalamus_Volume.mm.3	Left thalamus volume (mm ³)
aseg.Left.Caudate_Volume.mm.3	Left caudate volume (mm ³)
aseg.Left.Putamen_Volume.mm.3	Left putamen volume (mm ³)
aseg.Left.Pallidum_Volume.mm.3	Left pallidum volume (mm ³)
aseg.3rd.Ventricle_Volume.mm.3	3rd ventricle volume (mm ³)
aseg.4th.Ventricle_Volume.mm.3	4th ventricle volume (mm ³)
aseg.Brain.Stem_Volume.mm.3	Brain stem volume (mm ³)
aseg.Left.Hippocampus_Volume.mm.3	Left hippocampus volume (mm ³)
aseg.Left.Amygdala_Volume.mm.3	Left amygdala volume (mm ³)
aseg.Left.Accumbens.area_Volume.mm.3	Left accumbens area volume (mm ³)
aseg.Left.VentralDC_Volume.mm.3	Left ventral diencephalon volume (mm ³)
aseg.Left.choroid.plexus_Volume.mm.3	Left choroid plexus volume (mm ³)
aseg.Right.Lateral.Ventricle_Volume.mm.3	Right lateral ventricle volume (mm ³)
aseg.Right.Inf.Lat.Vent_Volume.mm.3	Right inferior lateral ventricle volume (mm ³)
aseg.Right.Cerebellum.White.Matter_Volume.mm.3	Right cerebellum white matter volume (mm ³)
aseg.Right.Cerebellum.Cortex_Volume.mm.3	Right cerebellum cortex volume (mm ³)
aseg.Right.Thalamus_Volume.mm.3	Right thalamus volume (mm ³)
aseg.Right.Caudate_Volume.mm.3	Right caudate volume (mm ³)
aseg.Right.Putamen_Volume.mm.3	Right putamen volume (mm ³)

aseg.Right.Pallidum_Volume.mm.3	Right pallidum volume (mm ³)
aseg.Right.Hippocampus_Volume.mm.3	Right hippocampus volume (mm ³)
aseg.Right.Amygdala_Volume.mm.3	Right amygdala volume (mm ³)
aseg.Right.Accumbens.area_Volume.mm.3	Right accumbens area volume (mm ³)
aseg.Right.VentralDC_Volume.mm.3	Right ventral diencephalon volume (mm ³)
aseg.Right.choroid.plexus_Volume.mm.3	Right choroid plexus volume (mm ³)
aseg.5th.Ventricle_Volume.mm.3	5th ventricle volume (mm ³)
aseg.WM.hypointensities_Volume.mm.3	White matter hypointensities volume (mm ³)
aseg.CC_Posterior_Volume.mm.3	Posterior corpus callosum volume (mm ³)
aseg.CC_Mid_Posterior_Volume.mm.3	Mid-posterior corpus callosum volume (mm ³)
aseg.CC_Central_Volume.mm.3	Central corpus callosum volume (mm ³)
aseg.CC_Mid_Anterior_Volume.mm.3	Mid-anterior corpus callosum volume (mm ³)
aseg.CC_Anterior_Volume.mm.3	Anterior corpus callosum volume (mm ³)

aparc and aparc_pial

Cortical regions from the Desikan-Killiany atlas (Desikan et al., 2006). Measure can be MeanThickness (mean of the thickness in the ROI), GrayVol (gray matter volume of the ROI), and SurfArea (white matter surface area of the ROI).

Thickness and volume are not unique to the white or pial surfaces as both are needed to compute the measure. However, the white and pial surfaces will have their own surface area. The headers that start with aparc_pial will have the surface areas for the pial surfaces; there will not be thickness or volume measures associated with the aparc_pial header. The surface area for the white surface will be in the simple aparc header.

The source for this data is stats/hemi.aparc.stats and stats/hemi.aparc.pial.stats as computed from hemi.aparc.annot and the white and pial surfaces as created by recon-all.

aparc

Variable Name	Description
aparc_lh.WhiteSurfArea.mm.2	Left hemisphere total white matter surface area (mm ²)
aparc_lh.MeanThickness.mm	Left hemisphere total mean thickness (mm)
aparc_lh.bankssts_SurfArea.mm.2	Left hemisphere banks of superior temporal sulcus white matter surface area (mm ²)

aparc_lh.bankssts_GrayVol.mm.3	Left hemisphere banks of superior temporal sulcus gray matter volume (mm ³)
aparc_lh.bankssts_ThickAvg.mm	Left hemisphere banks of superior temporal sulcus average thickness (mm)
aparc_lh.caudalanteriorcingulate_SurfArea.mm.2	Left hemisphere caudal anterior cingulate cortex white matter surface area (mm ²)
aparc_lh.caudalanteriorcingulate_GrayVol.mm.3	Left hemisphere caudal anterior cingulate cortex gray matter volume (mm ³)
aparc_lh.caudalanteriorcingulate_ThickAvg.mm	Left hemisphere caudal anterior cingulate cortex average thickness (mm)
aparc_lh.caudalmiddlefrontal_SurfArea.mm.2	Left hemisphere caudal middle frontal gyrus white matter surface area (mm ²)
aparc_lh.caudalmiddlefrontal_GrayVol.mm.3	Left hemisphere caudal middle frontal gyrus gray matter volume (mm ³)
aparc_lh.caudalmiddlefrontal_ThickAvg.mm	Left hemisphere caudal middle frontal gyrus average thickness (mm)
aparc_lh.cuneus_SurfArea.mm.2	Left hemisphere cuneus cortex white matter surface area (mm ²)
aparc_lh.cuneus_GrayVol.mm.3	Left hemisphere cuneus cortex gray matter volume (mm ³)
aparc_lh.cuneus_ThickAvg.mm	Left hemisphere cuneus cortex average thickness (mm)
aparc_lh.entorhinal_SurfArea.mm.2	Left hemisphere entorhinal cortex white matter surface area (mm ²)
aparc_lh.entorhinal_GrayVol.mm.3	Left hemisphere entorhinal cortex gray matter volume (mm ³)
aparc_lh.entorhinal_ThickAvg.mm	Left hemisphere entorhinal cortex average thickness (mm)
aparc_lh.fusiform_SurfArea.mm.2	Left hemisphere fusiform gyrus white matter surface area (mm ²)
aparc_lh.fusiform_GrayVol.mm.3	Left hemisphere fusiform gyrus gray matter volume (mm ³)
aparc_lh.fusiform_ThickAvg.mm	Left hemisphere fusiform gyrus average thickness (mm)
aparc_lh.inferiorparietal_SurfArea.mm.2	Left hemisphere inferior parietal cortex white matter surface area (mm ²)
aparc_lh.inferiorparietal_GrayVol.mm.3	Left hemisphere inferior parietal cortex gray matter volume (mm ³)
aparc_lh.inferiorparietal_ThickAvg.mm	Left hemisphere inferior parietal cortex average thickness (mm)
aparc_lh.inferiortemporal_SurfArea.mm.2	Left hemisphere inferior temporal gyrus white matter surface area (mm ²)
aparc_lh.inferiortemporal_GrayVol.mm.3	Left hemisphere inferior temporal gyrus gray matter volume (mm ³)
aparc_lh.inferiortemporal_ThickAvg.mm	Left hemisphere inferior temporal gyrus average thickness (mm)

aparc_lh.isthmuscingulate_SurfArea.mm.2	Left hemisphere isthmus-cingulate cortex white matter surface area (mm ²)
aparc_lh.isthmuscingulate_GrayVol.mm.3	Left hemisphere isthmus-cingulate cortex gray matter volume (mm ³)
aparc_lh.isthmuscingulate_ThickAvg.mm	Left hemisphere isthmus-cingulate cortex average thickness (mm)
aparc_lh.lateraloccipital_SurfArea.mm.2	Left hemisphere lateral occipital cortex white matter surface area (mm ²)
aparc_lh.lateraloccipital_GrayVol.mm.3	Left hemisphere lateral occipital cortex gray matter volume (mm ³)
aparc_lh.lateraloccipital_ThickAvg.mm	Left hemisphere lateral occipital cortex average thickness (mm)
aparc_lh.lateralorbitofrontal_SurfArea.mm.2	Left hemisphere lateral orbitofrontal cortex white matter surface area (mm ²)
aparc_lh.lateralorbitofrontal_GrayVol.mm.3	Left hemisphere lateral orbitofrontal cortex gray matter volume (mm ³)
aparc_lh.lateralorbitofrontal_ThickAvg.mm	Left hemisphere lateral orbitofrontal cortex average thickness (mm)
aparc_lh.lingual_SurfArea.mm.2	Left hemisphere lingual gyrus white matter surface area (mm ²)
aparc_lh.lingual_GrayVol.mm.3	Left hemisphere lingual gyrus gray matter volume (mm ³)
aparc_lh.lingual_ThickAvg.mm	Left hemisphere lingual gyrus average thickness (mm)
aparc_lh.medialorbitofrontal_SurfArea.mm.2	Left hemisphere medial orbitofrontal cortex white matter surface area (mm ²)
aparc_lh.medialorbitofrontal_GrayVol.mm.3	Left hemisphere medial orbitofrontal cortex gray matter volume (mm ³)
aparc_lh.medialorbitofrontal_ThickAvg.mm	Left hemisphere medial orbitofrontal cortex average thickness (mm)
aparc_lh.middletemporal_SurfArea.mm.2	Left hemisphere middle temporal gyrus white matter surface area (mm ²)
aparc_lh.middletemporal_GrayVol.mm.3	Left hemisphere middle temporal gyrus gray matter volume (mm ³)
aparc_lh.middletemporal_ThickAvg.mm	Left hemisphere middle temporal gyrus average thickness (mm)
aparc_lh.parahippocampal_SurfArea.mm.2	Left hemisphere parahippocampal gyrus white matter surface area (mm ²)
aparc_lh.parahippocampal_GrayVol.mm.3	Left hemisphere parahippocampal gyrus gray matter volume (mm ³)
aparc_lh.parahippocampal_ThickAvg.mm	Left hemisphere parahippocampal gyrus average thickness (mm)
aparc_lh.paracentral_SurfArea.mm.2	Left hemisphere paracentral lobule white matter surface area (mm ²)
aparc_lh.paracentral_GrayVol.mm.3	Left hemisphere paracentral lobule gray matter volume (mm ³)

aparc_lh.paracentral_ThickAvg.mm	Left hemisphere paracentral lobule average thickness (mm)
aparc_lh.parsopercularis_SurfArea.mm.2	Left hemisphere pars opercularis white matter surface area (mm ²)
aparc_lh.parsopercularis_GrayVol.mm.3	Left hemisphere pars opercularis gray matter volume (mm ³)
aparc_lh.parsopercularis_ThickAvg.mm	Left hemisphere pars opercularis average thickness (mm)
aparc_lh.parsorbitalis_SurfArea.mm.2	Left hemisphere pars orbitalis white matter surface area (mm ²)
aparc_lh.parsorbitalis_GrayVol.mm.3	Left hemisphere pars orbitalis gray matter volume (mm ³)
aparc_lh.parsorbitalis_ThickAvg.mm	Left hemisphere pars orbitalis average thickness (mm)
aparc_lh.parstriangularis_SurfArea.mm.2	Left hemisphere pars triangularis white matter surface area (mm ²)
aparc_lh.parstriangularis_GrayVol.mm.3	Left hemisphere pars triangularis gray matter volume (mm ³)
aparc_lh.parstriangularis_ThickAvg.mm	Left hemisphere pars triangularis average thickness (mm)
aparc_lh.pericalcarine_SurfArea.mm.2	Left hemisphere pericalcarine cortex white matter surface area (mm ²)
aparc_lh.pericalcarine_GrayVol.mm.3	Left hemisphere pericalcarine cortex gray matter volume (mm ³)
aparc_lh.pericalcarine_ThickAvg.mm	Left hemisphere pericalcarine cortex average thickness (mm)
aparc_lh.postcentral_SurfArea.mm.2	Left hemisphere postcentral gyrus white matter surface area (mm ²)
aparc_lh.postcentral_GrayVol.mm.3	Left hemisphere postcentral gyrus gray matter volume (mm ³)
aparc_lh.postcentral_ThickAvg.mm	Left hemisphere postcentral gyrus average thickness (mm)
aparc_lh.posteriorcingulate_SurfArea.mm.2	Left hemisphere posterior-cingulate cortex white matter surface area (mm ²)
aparc_lh.posteriorcingulate_GrayVol.mm.3	Left hemisphere posterior-cingulate cortex gray matter volume (mm ³)
aparc_lh.posteriorcingulate_ThickAvg.mm	Left hemisphere posterior-cingulate cortex average thickness (mm)
aparc_lh.precentral_SurfArea.mm.2	Left hemisphere precentral gyrus white matter surface area (mm ²)
aparc_lh.precentral_GrayVol.mm.3	Left hemisphere precentral gyrus gray matter volume (mm ³)
aparc_lh.precentral_ThickAvg.mm	Left hemisphere precentral gyrus average thickness (mm)
aparc_lh.precuneus_SurfArea.mm.2	Left hemisphere precuneus cortex white matter surface area (mm ²)

aparc_lh.precuneus_GrayVol.mm.3	Left hemisphere precuneus cortex gray matter volume (mm ³)
aparc_lh.precuneus_ThickAvg.mm	Left hemisphere precuneus cortex average thickness (mm)
aparc_lh.rostralanteriorcingulate_SurfArea.mm.2	Left hemisphere rostral anterior cingulate cortex white matter surface area (mm ²)
aparc_lh.rostralanteriorcingulate_GrayVol.mm.3	Left hemisphere rostral anterior cingulate cortex gray matter volume (mm ³)
aparc_lh.rostralanteriorcingulate_ThickAvg.mm	Left hemisphere rostral anterior cingulate cortex average thickness (mm)
aparc_lh.rostralmiddlefrontal_SurfArea.mm.2	Left hemisphere rostral middle frontal gyrus white matter surface area (mm ²)
aparc_lh.rostralmiddlefrontal_GrayVol.mm.3	Left hemisphere rostral middle frontal gyrus gray matter volume (mm ³)
aparc_lh.rostralmiddlefrontal_ThickAvg.mm	Left hemisphere rostral middle frontal gyrus average thickness (mm)
aparc_lh.superiorfrontal_SurfArea.mm.2	Left hemisphere superior frontal gyrus white matter surface area (mm ²)
aparc_lh.superiorfrontal_GrayVol.mm.3	Left hemisphere superior frontal gyrus gray matter volume (mm ³)
aparc_lh.superiorfrontal_ThickAvg.mm	Left hemisphere superior frontal gyrus average thickness (mm)
aparc_lh.superiorparietal_SurfArea.mm.2	Left hemisphere superior parietal cortex white matter surface area (mm ²)
aparc_lh.superiorparietal_GrayVol.mm.3	Left hemisphere superior parietal cortex gray matter volume (mm ³)
aparc_lh.superiorparietal_ThickAvg.mm	Left hemisphere superior parietal cortex average thickness (mm)
aparc_lh.superiortemporal_SurfArea.mm.2	Left hemisphere superior temporal gyrus white matter surface area (mm ²)
aparc_lh.superiortemporal_GrayVol.mm.3	Left hemisphere superior temporal gyrus gray matter volume (mm ³)
aparc_lh.superiortemporal_ThickAvg.mm	Left hemisphere superior temporal gyrus average thickness (mm)
aparc_lh.supramarginal_SurfArea.mm.2	Left hemisphere supramarginal gyrus white matter surface area (mm ²)
aparc_lh.supramarginal_GrayVol.mm.3	Left hemisphere supramarginal gyrus gray matter volume (mm ³)
aparc_lh.supramarginal_ThickAvg.mm	Left hemisphere supramarginal gyrus average thickness (mm)
aparc_lh.frontalpole_SurfArea.mm.2	Left hemisphere frontal pole white matter surface area (mm ²)
aparc_lh.frontalpole_GrayVol.mm.3	Left hemisphere frontal pole gray matter volume (mm ³)
aparc_lh.frontalpole_ThickAvg.mm	Left hemisphere frontal pole average thickness (mm)

aparc_lh.temporalpole_SurfArea.mm.2	Left hemisphere temporal pole white matter surface area (mm ²)
aparc_lh.temporalpole_GrayVol.mm.3	Left hemisphere temporal pole gray matter volume (mm ³)
aparc_lh.temporalpole_ThickAvg.mm	Left hemisphere temporal pole average thickness (mm)
aparc_lh.transversetemporal_SurfArea.mm.2	Left hemisphere transverse temporal cortex white matter surface area (mm ²)
aparc_lh.transversetemporal_GrayVol.mm.3	Left hemisphere transverse temporal cortex gray matter volume (mm ³)
aparc_lh.transversetemporal_ThickAvg.mm	Left hemisphere transverse temporal cortex average thickness (mm)
aparc_lh.insula_SurfArea.mm.2	Left hemisphere insular cortex white matter surface area (mm ²)
aparc_lh.insula_GrayVol.mm.3	Left hemisphere insular cortex gray matter volume (mm ³)
aparc_lh.insula_ThickAvg.mm	Left hemisphere insular cortex average thickness (mm)
aparc_rh.WhiteSurfArea.mm.2	Right hemisphere total white matter surface area (mm ²)
aparc_rh.MeanThickness.mm	Right hemisphere total mean thickness (mm)
aparc_rh.bankssts_SurfArea.mm.2	Right hemisphere banks of superior temporal sulcus white matter surface area (mm ²)
aparc_rh.bankssts_GrayVol.mm.3	Right hemisphere banks of superior temporal sulcus gray matter volume (mm ³)
aparc_rh.bankssts_ThickAvg.mm	Right hemisphere banks of superior temporal sulcus average thickness (mm)
aparc_rh.caudalanteriorcingulate_SurfArea.mm.2	Right hemisphere caudal anterior cingulate cortex white matter surface area (mm ²)
aparc_rh.caudalanteriorcingulate_GrayVol.mm.3	Right hemisphere caudal anterior cingulate cortex gray matter volume (mm ³)
aparc_rh.caudalanteriorcingulate_ThickAvg.mm	Right hemisphere caudal anterior cingulate cortex average thickness (mm)
aparc_rh.caudalmiddlefrontal_SurfArea.mm.2	Right hemisphere caudal middle frontal gyrus white matter surface area (mm ²)
aparc_rh.caudalmiddlefrontal_GrayVol.mm.3	Right hemisphere caudal middle frontal gyrus gray matter volume (mm ³)
aparc_rh.caudalmiddlefrontal_ThickAvg.mm	Right hemisphere caudal middle frontal gyrus average thickness (mm)
aparc_rh.cuneus_SurfArea.mm.2	Right hemisphere cuneus cortex white matter surface area (mm ²)
aparc_rh.cuneus_GrayVol.mm.3	Right hemisphere cuneus cortex gray matter volume (mm ³)
aparc_rh.cuneus_ThickAvg.mm	Right hemisphere cuneus cortex average thickness (mm)

aparc_rh.entorhinal_SurfArea.mm.2	Right hemisphere entorhinal cortex white matter surface area (mm ²)
aparc_rh.entorhinal_GrayVol.mm.3	Right hemisphere entorhinal cortex gray matter volume (mm ³)
aparc_rh.entorhinal_ThickAvg.mm	Right hemisphere entorhinal cortex average thickness (mm)
aparc_rh.fusiform_SurfArea.mm.2	Right hemisphere fusiform gyrus white matter surface area (mm ²)
aparc_rh.fusiform_GrayVol.mm.3	Right hemisphere fusiform gyrus gray matter volume (mm ³)
aparc_rh.fusiform_ThickAvg.mm	Right hemisphere fusiform gyrus average thickness (mm)
aparc_rh.inferiorparietal_SurfArea.m m.2	Right hemisphere inferior parietal cortex white matter surface area (mm ²)
aparc_rh.inferiorparietal_GrayVol.m m.3	Right hemisphere inferior parietal cortex gray matter volume (mm ³)
aparc_rh.inferiorparietal_ThickAvg.m m	Right hemisphere inferior parietal cortex average thickness (mm)
aparc_rh.inferiortemporal_SurfArea.m m.2	Right hemisphere inferior temporal gyrus white matter surface area (mm ²)
aparc_rh.inferiortemporal_GrayVol.m m.3	Right hemisphere inferior temporal gyrus gray matter volume (mm ³)
aparc_rh.inferiortemporal_ThickAvg.m m	Right hemisphere inferior temporal gyrus average thickness (mm)
aparc_rh.isthmuscingulate_SurfArea.m m.2	Right hemisphere isthmus-cingulate cortex white matter surface area (mm ²)
aparc_rh.isthmuscingulate_GrayVol.m m.3	Right hemisphere isthmus-cingulate cortex gray matter volume (mm ³)
aparc_rh.isthmuscingulate_ThickAvg.m m	Right hemisphere isthmus-cingulate cortex average thickness (mm)
aparc_rh.lateraloccipital_SurfArea.m m.2	Right hemisphere lateral occipital cortex white matter surface area (mm ²)
aparc_rh.lateraloccipital_GrayVol.m m.3	Right hemisphere lateral occipital cortex gray matter volume (mm ³)
aparc_rh.lateraloccipital_ThickAvg.m m	Right hemisphere lateral occipital cortex average thickness (mm)
aparc_rh.lateralorbitofrontal_SurfArea.m m.2	Right hemisphere lateral orbitofrontal cortex white matter surface area (mm ²)
aparc_rh.lateralorbitofrontal_GrayVol.m m.3	Right hemisphere lateral orbitofrontal cortex gray matter volume (mm ³)
aparc_rh.lateralorbitofrontal_ThickAvg.m m	Right hemisphere lateral orbitofrontal cortex average thickness (mm)
aparc_rh.lingual_SurfArea.mm.2	Right hemisphere lingual gyrus white matter surface area (mm ²)
aparc_rh.lingual_GrayVol.mm.3	Right hemisphere lingual gyrus gray matter volume (mm ³)

aparc_rh.lingual_ThickAvg.mm	Right hemisphere lingual gyrus average thickness (mm)
aparc_rh.medialorbitofrontal_SurfArea.mm.2	Right hemisphere medial orbitofrontal cortex white matter surface area (mm ²)
aparc_rh.medialorbitofrontal_GrayVol.mm.3	Right hemisphere medial orbitofrontal cortex gray matter volume (mm ³)
aparc_rh.medialorbitofrontal_ThickAvg.mm	Right hemisphere medial orbitofrontal cortex average thickness (mm)
aparc_rh.middletemporal_SurfArea.mm.2	Right hemisphere middle temporal gyrus white matter surface area (mm ²)
aparc_rh.middletemporal_GrayVol.mm.3	Right hemisphere middle temporal gyrus gray matter volume (mm ³)
aparc_rh.middletemporal_ThickAvg.mm	Right hemisphere middle temporal gyrus average thickness (mm)
aparc_rh.parahippocampal_SurfArea.mm.2	Right hemisphere parahippocampal gyrus white matter surface area (mm ²)
aparc_rh.parahippocampal_GrayVol.mm.3	Right hemisphere parahippocampal gyrus gray matter volume (mm ³)
aparc_rh.parahippocampal_ThickAvg.mm	Right hemisphere parahippocampal gyrus average thickness (mm)
aparc_rh.paracentral_SurfArea.mm.2	Right hemisphere paracentral lobule white matter surface area (mm ²)
aparc_rh.paracentral_GrayVol.mm.3	Right hemisphere paracentral lobule gray matter volume (mm ³)
aparc_rh.paracentral_ThickAvg.mm	Right hemisphere paracentral lobule average thickness (mm)
aparc_rh.parsopercularis_SurfArea.mm.2	Right hemisphere pars opercularis white matter surface area (mm ²)
aparc_rh.parsopercularis_GrayVol.mm.3	Right hemisphere pars opercularis gray matter volume (mm ³)
aparc_rh.parsopercularis_ThickAvg.mm	Right hemisphere pars opercularis average thickness (mm)
aparc_rh.parsorbitalis_SurfArea.mm.2	Right hemisphere pars orbitalis white matter surface area (mm ²)
aparc_rh.parsorbitalis_GrayVol.mm.3	Right hemisphere pars orbitalis gray matter volume (mm ³)
aparc_rh.parsorbitalis_ThickAvg.mm	Right hemisphere pars orbitalis average thickness (mm)
aparc_rh.parsstriangularis_SurfArea.mm.2	Right hemisphere pars triangularis white matter surface area (mm ²)
aparc_rh.parsstriangularis_GrayVol.mm.3	Right hemisphere pars triangularis gray matter volume (mm ³)
aparc_rh.parsstriangularis_ThickAvg.mm	Right hemisphere pars triangularis average thickness (mm)
aparc_rh.pericalcarine_SurfArea.mm.2	Right hemisphere pericalcarine cortex white matter surface area (mm ²)

aparc_rh.pericalcarine_GrayVol.mm.3	Right hemisphere pericalcarine cortex gray matter volume (mm ³)
aparc_rh.pericalcarine_ThickAvg.mm	Right hemisphere pericalcarine cortex average thickness (mm)
aparc_rh.postcentral_SurfArea.mm.2	Right hemisphere postcentral gyrus white matter surface area (mm ²)
aparc_rh.postcentral_GrayVol.mm.3	Right hemisphere postcentral gyrus gray matter volume (mm ³)
aparc_rh.postcentral_ThickAvg.mm	Right hemisphere postcentral gyrus average thickness (mm)
aparc_rh.posteriorcingulate_SurfArea.mm.2	Right hemisphere posterior-cingulate cortex white matter surface area (mm ²)
aparc_rh.posteriorcingulate_GrayVol.mm.3	Right hemisphere posterior-cingulate cortex gray matter volume (mm ³)
aparc_rh.posteriorcingulate_ThickAvg.mm	Right hemisphere posterior-cingulate cortex average thickness (mm)
aparc_rh.precentral_SurfArea.mm.2	Right hemisphere precentral gyrus white matter surface area (mm ²)
aparc_rh.precentral_GrayVol.mm.3	Right hemisphere precentral gyrus gray matter volume (mm ³)
aparc_rh.precentral_ThickAvg.mm	Right hemisphere precentral gyrus average thickness (mm)
aparc_rh.precuneus_SurfArea.mm.2	Right hemisphere precuneus cortex white matter surface area (mm ²)
aparc_rh.precuneus_GrayVol.mm.3	Right hemisphere precuneus cortex gray matter volume (mm ³)
aparc_rh.precuneus_ThickAvg.mm	Right hemisphere precuneus cortex average thickness (mm)
aparc_rh.rostralanteriorcingulate_SurfArea.mm.2	Right hemisphere rostral anterior cingulate cortex white matter surface area (mm ²)
aparc_rh.rostralanteriorcingulate_GrayVol.mm.3	Right hemisphere rostral anterior cingulate cortex gray matter volume (mm ³)
aparc_rh.rostralanteriorcingulate_ThickAvg.mm	Right hemisphere rostral anterior cingulate cortex average thickness (mm)
aparc_rh.rostralmiddlefrontal_SurfArea.mm.2	Right hemisphere rostral middle frontal gyrus white matter surface area (mm ²)
aparc_rh.rostralmiddlefrontal_GrayVol.mm.3	Right hemisphere rostral middle frontal gyrus gray matter volume (mm ³)
aparc_rh.rostralmiddlefrontal_ThickAvg.mm	Right hemisphere rostral middle frontal gyrus average thickness (mm)
aparc_rh.superiorfrontal_SurfArea.mm.2	Right hemisphere superior frontal gyrus white matter surface area (mm ²)
aparc_rh.superiorfrontal_GrayVol.mm.3	Right hemisphere superior frontal gyrus gray matter volume (mm ³)
aparc_rh.superiorfrontal_ThickAvg.mm	Right hemisphere superior frontal gyrus average thickness (mm)

aparc_rh.superiorparietal_SurfArea.m m.2	Right hemisphere superior parietal cortex white matter surface area (mm ²)
aparc_rh.superiorparietal_GrayVol.m m.3	Right hemisphere superior parietal cortex gray matter volume (mm ³)
aparc_rh.superiorparietal_ThickAvg. mm	Right hemisphere superior parietal cortex average thickness (mm)
aparc_rh.superiortemporal_SurfArea. mm.2	Right hemisphere superior temporal gyrus white matter surface area (mm ²)
aparc_rh.superiortemporal_GrayVol. mm.3	Right hemisphere superior temporal gyrus gray matter volume (mm ³)
aparc_rh.superiortemporal_ThickAvg .mm	Right hemisphere superior temporal gyrus average thickness (mm)
aparc_rh.supramarginal_SurfArea.m m.2	Right hemisphere supramarginal gyrus white matter surface area (mm ²)
aparc_rh.supramarginal_GrayVol.mm .3	Right hemisphere supramarginal gyrus gray matter volume (mm ³)
aparc_rh.supramarginal_ThickAvg.m m	Right hemisphere supramarginal gyrus average thickness (mm)
aparc_rh.frontalpole_SurfArea.mm.2	Right hemisphere frontal pole white matter surface area (mm ²)
aparc_rh.frontalpole_GrayVol.mm.3	Right hemisphere frontal pole gray matter volume (mm ³)
aparc_rh.frontalpole_ThickAvg.mm	Right hemisphere frontal pole average thickness (mm)
aparc_rh.temporalpole_SurfArea.mm. 2	Right hemisphere temporal pole white matter surface area (mm ²)
aparc_rh.temporalpole_GrayVol.mm. 3	Right hemisphere temporal pole gray matter volume (mm ³)
aparc_rh.temporalpole_ThickAvg.m m	Right hemisphere temporal pole average thickness (mm)
aparc_rh.transversetemporal_SurfAre a.mm.2	Right hemisphere transverse temporal cortex white matter surface area (mm ²)
aparc_rh.transversetemporal_GrayVol .mm.3	Right hemisphere transverse temporal cortex gray matter volume (mm ³)
aparc_rh.transversetemporal_ThickA vg.mm	Right hemisphere transverse temporal cortex average thickness (mm)
aparc_rh.insula_SurfArea.mm.2	Right hemisphere insular cortex white matter surface area (mm ²)
aparc_rh.insula_GrayVol.mm.3	Right hemisphere insular cortex gray matter volume (mm ³)
aparc_rh.insula_ThickAvg.mm	Right hemisphere insular cortex average thickness (mm)

aparc pial

Variable Name	Description
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aparc_pial_lh.PialSurfArea.mm.2	Left hemisphere pial surface total surface area.(mm ²)
aparc_pial_lh.bankssts_SurfArea.mm.2	Left hemisphere pial surface of banks of superior temporal sulcus surface area (mm ²)
aparc_pial_lh.caudalanteriorcingulate_SurfArea.mm.2	Left hemisphere pial surface of caudal anterior cingulate cortex surface area (mm ²)
aparc_pial_lh.caudalmiddlefrontal_SurfArea.mm.2	Left hemisphere pial surface of caudal middle frontal gyrus surface area (mm ²)
aparc_pial_lh.cuneus_SurfArea.mm.2	Left hemisphere pial surface of cuneus cortex surface area (mm ²)
aparc_pial_lh.entorhinal_SurfArea.mm.2	Left hemisphere pial surface of entorhinal cortex surface area (mm ²)
aparc_pial_lh.fusiform_SurfArea.mm.2	Left hemisphere pial surface of fusiform gyrus surface area (mm ²)
aparc_pial_lh.inferiorparietal_SurfArea.mm.2	Left hemisphere pial surface of inferior parietal cortex surface area (mm ²)
aparc_pial_lh.inferiortemporal_SurfArea.mm.2	Left hemisphere pial surface of inferior temporal gyrus surface area (mm ²)
aparc_pial_lh.isthmuscingulate_SurfArea.mm.2	Left hemisphere pial surface of isthmus-cingulate cortex surface area (mm ²)
aparc_pial_lh.lateraloccipital_SurfArea.mm.2	Left hemisphere pial surface of lateral occipital cortex surface area (mm ²)
aparc_pial_lh.lateralorbitofrontal_SurfArea.mm.2	Left hemisphere pial surface of lateral orbitofrontal cortex surface area (mm ²)
aparc_pial_lh.lingual_SurfArea.mm.2	Left hemisphere pial surface of lingual gyrus surface area (mm ²)
aparc_pial_lh.medialorbitofrontal_SurfArea.mm.2	Left hemisphere pial surface of medial orbitofrontal cortex surface area (mm ²)
aparc_pial_lh.middletemporal_SurfArea.mm.2	Left hemisphere pial surface of middle temporal gyrus surface area (mm ²)
aparc_pial_lh.parahippocampal_SurfArea.mm.2	Left hemisphere pial surface of parahippocampal gyrus surface area (mm ²)
aparc_pial_lh.paracentral_SurfArea.mm.2	Left hemisphere pial surface of paracentral lobule surface area (mm ²)
aparc_pial_lh.parsopercularis_SurfArea.mm.2	Left hemisphere pial surface of pars opercularis surface area (mm ²)
aparc_pial_lh.parsorbitalis_SurfArea.mm.2	Left hemisphere pial surface of pars orbitalis surface area (mm ²)
aparc_pial_lh.parstriangularis_SurfArea.mm.2	Left hemisphere pial surface of pars triangularis surface area (mm ²)
aparc_pial_lh.pericalcarine_SurfArea.mm.2	Left hemisphere pial surface of pericalcarine cortex surface area (mm ²)
aparc_pial_lh.postcentral_SurfArea.mm.2	Left hemisphere pial surface of postcentral gyrus surface area (mm ²)
aparc_pial_lh.posteriorcingulate_SurfArea.mm.2	Left hemisphere pial surface of posterior-cingulate cortex surface area (mm ²)

aparc_pial_lh.precentral_SurfArea.mm.2	Left hemisphere pial surface of precentral gyrus surface area (mm ²)
aparc_pial_lh.precuneus_SurfArea.mm.2	Left hemisphere pial surface of precuneus cortex surface area (mm ²)
aparc_pial_lh.rostralanteriorcingulate_SurfArea.mm.2	Left hemisphere pial surface of rostral anterior cingulate cortex surface area (mm ²)
aparc_pial_lh.rostralmiddlefrontal_SurfArea.mm.2	Left hemisphere pial surface of rostral middle frontal gyrus surface area (mm ²)
aparc_pial_lh.superiorfrontal_SurfArea.mm.2	Left hemisphere pial surface of superior frontal gyrus surface area (mm ²)
aparc_pial_lh.superiorparietal_SurfArea.mm.2	Left hemisphere pial surface of superior parietal cortex surface area (mm ²)
aparc_pial_lh.superiortemporal_SurfArea.mm.2	Left hemisphere pial surface of superior temporal gyrus surface area (mm ²)
aparc_pial_lh.supramarginal_SurfArea.mm.2	Left hemisphere pial surface of supramarginal gyrus surface area (mm ²)
aparc_pial_lh.frontalpole_SurfArea.mm.2	Left hemisphere pial surface of frontal pole surface area (mm ²)
aparc_pial_lh.temporalpole_SurfArea.mm.2	Left hemisphere pial surface of temporal pole surface area (mm ²)
aparc_pial_lh.transversetemporal_SurfArea.mm.2	Left hemisphere pial surface of transverse temporal cortex surface area (mm ²)
aparc_pial_lh.insula_SurfArea.mm.2	Left hemisphere pial surface of insular cortex surface area (mm ²)
aparc_pial_rh.PialSurfArea.mm.2	Right hemisphere pial surface total surface area.(mm ²)
aparc_pial_rh.bankssts_SurfArea.mm.2	Right hemisphere pial surface of banks of superior temporal sulcus surface area (mm ²)
aparc_pial_rh.caudalanteriorcingulate_SurfArea.mm.2	Right hemisphere pial surface of caudal anterior cingulate cortex surface area (mm ²)
aparc_pial_rh.caudalmiddlefrontal_SurfArea.mm.2	Right hemisphere pial surface of caudal middle frontal gyrus surface area (mm ²)
aparc_pial_rh.cuneus_SurfArea.mm.2	Right hemisphere pial surface of cuneus cortex surface area (mm ²)
aparc_pial_rh.entorhinal_SurfArea.mm.2	Right hemisphere pial surface of entorhinal cortex surface area (mm ²)
aparc_pial_rh.fusiform_SurfArea.mm.2	Right hemisphere pial surface of fusiform gyrus surface area (mm ²)
aparc_pial_rh.inferiorparietal_SurfArea.mm.2	Right hemisphere pial surface of inferior parietal cortex surface area (mm ²)
aparc_pial_rh.inferiortemporal_SurfArea.mm.2	Right hemisphere pial surface of inferior temporal gyrus surface area (mm ²)
aparc_pial_rh.isthmuscingulate_SurfArea.mm.2	Right hemisphere pial surface of isthmus-cingulate cortex surface area (mm ²)
aparc_pial_rh.lateraloccipital_SurfArea.mm.2	Right hemisphere pial surface of lateral occipital cortex surface area (mm ²)

aparc_pial_rh.lateralorbitofrontal_SurfArea.mm.2	Right hemisphere pial surface of lateral orbitofrontal cortex surface area (mm ²)
aparc_pial_rh.lingual_SurfArea.mm.2	Right hemisphere pial surface of lingual gyrus surface area (mm ²)
aparc_pial_rh.medialorbitofrontal_SurfArea.mm.2	Right hemisphere pial surface of medial orbitofrontal cortex surface area (mm ²)
aparc_pial_rh.middletemporal_SurfArea.mm.2	Right hemisphere pial surface of middle temporal gyrus surface area (mm ²)
aparc_pial_rh.parahippocampal_SurfArea.mm.2	Right hemisphere pial surface of parahippocampal gyrus surface area (mm ²)
aparc_pial_rh.paracentral_SurfArea.mm.2	Right hemisphere pial surface of paracentral lobule surface area (mm ²)
aparc_pial_rh.parsopercularis_SurfArea.mm.2	Right hemisphere pial surface of pars opercularis surface area (mm ²)
aparc_pial_rh.parsorbitalis_SurfArea.mm.2	Right hemisphere pial surface of pars orbitalis surface area (mm ²)
aparc_pial_rh.parsstriangularis_SurfArea.mm.2	Right hemisphere pial surface of pars triangularis surface area (mm ²)
aparc_pial_rh.pericalcarine_SurfArea.mm.2	Right hemisphere pial surface of pericalcarine cortex surface area (mm ²)
aparc_pial_rh.postcentral_SurfArea.mm.2	Right hemisphere pial surface of postcentral gyrus surface area (mm ²)
aparc_pial_rh.posteriorcingulate_SurfArea.mm.2	Right hemisphere pial surface of posterior-cingulate cortex surface area (mm ²)
aparc_pial_rh.precentral_SurfArea.mm.2	Right hemisphere pial surface of precentral gyrus surface area (mm ²)
aparc_pial_rh.precuneus_SurfArea.mm.2	Right hemisphere pial surface of precuneus cortex surface area (mm ²)
aparc_pial_rh.rostralanteriorcingulate_SurfArea.mm.2	Right hemisphere pial surface of rostral anterior cingulate cortex surface area (mm ²)
aparc_pial_rh.rostralmiddlefrontal_SurfArea.mm.2	Right hemisphere pial surface of rostral middle frontal gyrus surface area (mm ²)
aparc_pial_rh.superiorfrontal_SurfArea.mm.2	Right hemisphere pial surface of superior frontal gyrus surface area (mm ²)
aparc_pial_rh.superiorparietal_SurfArea.mm.2	Right hemisphere pial surface of superior parietal cortex surface area (mm ²)
aparc_pial_rh.superiortemporal_SurfArea.mm.2	Right hemisphere pial surface of superior temporal gyrus surface area (mm ²)
aparc_pial_rh.supramarginal_SurfArea.mm.2	Right hemisphere pial surface of supramarginal gyrus surface area (mm ²)
aparc_pial_rh.frontalpole_SurfArea.mm.2	Right hemisphere pial surface of frontal pole surface area (mm ²)
aparc_pial_rh.temporalpole_SurfArea.mm.2	Right hemisphere pial surface of temporal pole surface area (mm ²)
aparc_pial_rh.transversetemporal_SurfArea.mm.2	Right hemisphere pial surface of transverse temporal cortex surface area (mm ²)

aparc_pial_rh.insula_SurfArea.mm.2

Right hemisphere pial surface of insular
cortex surface area (mm²)

aparc_a2009s

Cortical regions from the Destrieux atlas (Destrieux et al., 2010). This is no pial surface area.

The source for this data is stats/hemi.aparc.a2009s.stats as computed from hemi.aparc.a2009s.annot and the white and pial surfaces as created by recon-all.

Variable Name	Description
aparc_a2009s_lh.G_and_S_fro ntomargin_SurfArea.mm.2	Left hemisphere fronto-marginal gyrus (of Wernicke) and sulcus surface area (mm ²)
aparc_a2009s_lh.G_and_S_fro ntomargin_GrayVol.mm.3	Left hemisphere fronto-marginal gyrus (of Wernicke) and sulcus gray matter volume (mm ³)
aparc_a2009s_lh.G_and_S_fro ntomargin_ThickAvg.mm	Left hemisphere fronto-marginal gyrus (of Wernicke) and sulcus average thickness (mm)
aparc_a2009s_lh.G_and_S_occ ipital_inf_SurfArea.mm.2	Left hemisphere inferior occipital gyrus (O3) and sulcus surface area (mm ²)
aparc_a2009s_lh.G_and_S_occ ipital_inf_GrayVol.mm.3	Left hemisphere inferior occipital gyrus (O3) and sulcus gray matter volume (mm ³)
aparc_a2009s_lh.G_and_S_occ ipital_inf_ThickAvg.mm	Left hemisphere inferior occipital gyrus (O3) and sulcus average thickness (mm)
aparc_a2009s_lh.G_and_S_par acentral_SurfArea.mm.2	Left hemisphere paracentral lobule and sulcus surface area (mm ²)
aparc_a2009s_lh.G_and_S_par acentral_GrayVol.mm.3	Left hemisphere paracentral lobule and sulcus gray matter volume (mm ³)
aparc_a2009s_lh.G_and_S_par acentral_ThickAvg.mm	Left hemisphere paracentral lobule and sulcus average thickness (mm)
aparc_a2009s_lh.G_and_S_sub central_SurfArea.mm.2	Left hemisphere subcentral gyrus (central operculum) and sulci surface area (mm ²)
aparc_a2009s_lh.G_and_S_sub central_GrayVol.mm.3	Left hemisphere subcentral gyrus (central operculum) and sulci gray matter volume (mm ³)
aparc_a2009s_lh.G_and_S_sub central_ThickAvg.mm	Left hemisphere subcentral gyrus (central operculum) and sulci average thickness (mm)
aparc_a2009s_lh.G_and_S_tran sv_frontopol_SurfArea.mm.2	Left hemisphere transverse frontopolar gyri and sulci surface area (mm ²)
aparc_a2009s_lh.G_and_S_tran sv_frontopol_GrayVol.mm.3	Left hemisphere transverse frontopolar gyri and sulci gray matter volume (mm ³)
aparc_a2009s_lh.G_and_S_tran sv_frontopol_ThickAvg.mm	Left hemisphere transverse frontopolar gyri and sulci average thickness (mm)
aparc_a2009s_lh.G_and_S_cin gul.Ant_SurfArea.mm.2	Left hemisphere anterior part of the cingulate gyrus and sulcus (ACC) surface area (mm ²)
aparc_a2009s_lh.G_and_S_cin gul.Ant_GrayVol.mm.3	Left hemisphere anterior part of the cingulate gyrus and sulcus (ACC) gray matter volume (mm ³)
aparc_a2009s_lh.G_and_S_cin gul.Ant_ThickAvg.mm	Left hemisphere anterior part of the cingulate gyrus and sulcus (ACC) average thickness (mm)

aparc_a2009s_lh.G_and_S_cingul.Mid.Ant_SurfArea.mm.2	Left hemisphere middle-anterior part of the cingulate gyrus and sulcus (aMCC) surface area (mm ²)
aparc_a2009s_lh.G_and_S_cingul.Mid.Ant_GrayVol.mm.3	Left hemisphere middle-anterior part of the cingulate gyrus and sulcus (aMCC) gray matter volume (mm ³)
aparc_a2009s_lh.G_and_S_cingul.Mid.Ant_ThickAvg.mm	Left hemisphere middle-anterior part of the cingulate gyrus and sulcus (aMCC) average thickness (mm)
aparc_a2009s_lh.G_and_S_cingul.Mid.Post_SurfArea.mm.2	Left hemisphere middle-posterior part of the cingulate gyrus and sulcus (pMCC) surface area (mm ²)
aparc_a2009s_lh.G_and_S_cingul.Mid.Post_GrayVol.mm.3	Left hemisphere middle-posterior part of the cingulate gyrus and sulcus (pMCC) gray matter volume (mm ³)
aparc_a2009s_lh.G_and_S_cingul.Mid.Post_ThickAvg.mm	Left hemisphere middle-posterior part of the cingulate gyrus and sulcus (pMCC) average thickness (mm)
aparc_a2009s_lh.G_cingul.Post.dorsal_SurfArea.mm.2	Left hemisphere posterior-dorsal part of the cingulate gyrus (dPCC) surface area (mm ²)
aparc_a2009s_lh.G_cingul.Post.dorsal_GrayVol.mm.3	Left hemisphere posterior-dorsal part of the cingulate gyrus (dPCC) gray matter volume (mm ³)
aparc_a2009s_lh.G_cingul.Post.dorsal_ThickAvg.mm	Left hemisphere posterior-dorsal part of the cingulate gyrus (dPCC) average thickness (mm)
aparc_a2009s_lh.G_cingul.Post.ventral_SurfArea.mm.2	Left hemisphere posterior-ventral part of the cingulate gyrus (vPCC, isthmus of the cingulate gyrus) surface area (mm ²)
aparc_a2009s_lh.G_cingul.Post.ventral_GrayVol.mm.3	Left hemisphere posterior-ventral part of the cingulate gyrus (vPCC, isthmus of the cingulate gyrus) gray matter volume (mm ³)
aparc_a2009s_lh.G_cingul.Post.ventral_ThickAvg.mm	Left hemisphere posterior-ventral part of the cingulate gyrus (vPCC, isthmus of the cingulate gyrus) average thickness (mm)
aparc_a2009s_lh.G_cuneus_SurfArea.mm.2	Left hemisphere cuneus (O6) surface area (mm ²)
aparc_a2009s_lh.G_cuneus_GrayVol.mm.3	Left hemisphere cuneus (O6) gray matter volume (mm ³)
aparc_a2009s_lh.G_cuneus_ThickAvg.mm	Left hemisphere cuneus (O6) average thickness (mm)
aparc_a2009s_lh.G_front_inf.Opercular_SurfArea.mm.2	Left hemisphere opercular part of the inferior frontal gyrus surface area (mm ²)
aparc_a2009s_lh.G_front_inf.Opercular_GrayVol.mm.3	Left hemisphere opercular part of the inferior frontal gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_front_inf.Opercular_ThickAvg.mm	Left hemisphere opercular part of the inferior frontal gyrus average thickness (mm)
aparc_a2009s_lh.G_front_inf.Orbital_SurfArea.mm.2	Left hemisphere orbital part of the inferior frontal gyrus surface area (mm ²)
aparc_a2009s_lh.G_front_inf.Orbital_GrayVol.mm.3	Left hemisphere orbital part of the inferior frontal gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_front_inf.Orbital_ThickAvg.mm	Left hemisphere orbital part of the inferior frontal gyrus average thickness (mm)
aparc_a2009s_lh.G_front_inf.Triangular_SurfArea.mm.2	Left hemisphere triangular part of the inferior frontal gyrus surface area (mm ²)

aparc_a2009s_lh.G_front_inf.Triangul_GrayVol.mm.3	Left hemisphere triangular part of the inferior frontal gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_front_inf.Triangul_ThickAvg.mm	Left hemisphere triangular part of the inferior frontal gyrus average thickness (mm)
aparc_a2009s_lh.G_front_middle_SurfArea.mm.2	Left hemisphere middle frontal gyrus (F2) surface area (mm ²)
aparc_a2009s_lh.G_front_middle_GrayVol.mm.3	Left hemisphere middle frontal gyrus (F2) gray matter volume (mm ³)
aparc_a2009s_lh.G_front_middle_ThickAvg.mm	Left hemisphere middle frontal gyrus (F2) average thickness (mm)
aparc_a2009s_lh.G_front_superior_SurfArea.mm.2	Left hemisphere superior frontal gyrus (F1) surface area (mm ²)
aparc_a2009s_lh.G_front_superior_GrayVol.mm.3	Left hemisphere superior frontal gyrus (F1) gray matter volume (mm ³)
aparc_a2009s_lh.G_front_superior_ThickAvg.mm	Left hemisphere superior frontal gyrus (F1) average thickness (mm)
aparc_a2009s_lh.G_Insula_long_and_central_sulcus_SurfArea.mm.2	Left hemisphere long insular gyrus and central sulcus of the insula surface area (mm ²)
aparc_a2009s_lh.G_Insula_long_and_central_sulcus_GrayVol.mm.3	Left hemisphere long insular gyrus and central sulcus of the insula gray matter volume (mm ³)
aparc_a2009s_lh.G_Insula_long_and_central_sulcus_ThickAvg.mm	Left hemisphere long insular gyrus and central sulcus of the insula average thickness (mm)
aparc_a2009s_lh.G_insular_short_SurfArea.mm.2	Left hemisphere short insular gyri surface area (mm ²)
aparc_a2009s_lh.G_insular_short_GrayVol.mm.3	Left hemisphere short insular gyri gray matter volume (mm ³)
aparc_a2009s_lh.G_insular_short_ThickAvg.mm	Left hemisphere short insular gyri average thickness (mm)
aparc_a2009s_lh.G_occipital_middle_SurfArea.mm.2	Left hemisphere middle occipital gyrus (O2, lateral occipital gyrus) surface area (mm ²)
aparc_a2009s_lh.G_occipital_middle_GrayVol.mm.3	Left hemisphere middle occipital gyrus (O2, lateral occipital gyrus) gray matter volume (mm ³)
aparc_a2009s_lh.G_occipital_middle_ThickAvg.mm	Left hemisphere middle occipital gyrus (O2, lateral occipital gyrus) average thickness (mm)
aparc_a2009s_lh.G_occipital_superior_SurfArea.mm.2	Left hemisphere superior occipital gyrus (O1) surface area (mm ²)
aparc_a2009s_lh.G_occipital_superior_GrayVol.mm.3	Left hemisphere superior occipital gyrus (O1) gray matter volume (mm ³)
aparc_a2009s_lh.G_occipital_superior_ThickAvg.mm	Left hemisphere superior occipital gyrus (O1) average thickness (mm)
aparc_a2009s_lh.G_occipital_temporal_lateral_fusiform_SurfArea.mm.2	Left hemisphere lateral occipito-temporal gyrus (fusiform gyrus, O4-T4) surface area (mm ²)
aparc_a2009s_lh.G_occipital_temporal_lateral_fusiform_GrayVol.mm.3	Left hemisphere lateral occipito-temporal gyrus (fusiform gyrus, O4-T4) gray matter volume (mm ³)
aparc_a2009s_lh.G_occipital_temporal_lateral_fusiform_ThickAvg.mm	Left hemisphere lateral occipito-temporal gyrus (fusiform gyrus, O4-T4) average thickness (mm)

aparc_a2009s_lh.G_oc.temp_m ed.Lingual SurfArea.mm.2	Left hemisphere lingual gyrus, ligual part of the medial occipito-temporal gyrus (O5) surface area (mm ²)
aparc_a2009s_lh.G_oc.temp_m ed.Lingual GrayVol.mm.3	Left hemisphere lingual gyrus, ligual part of the medial occipito-temporal gyrus (O5) gray matter volume (mm ³)
aparc_a2009s_lh.G_oc.temp_m ed.Lingual ThickAvg.mm	Left hemisphere lingual gyrus, ligual part of the medial occipito-temporal gyrus (O5) average thickness (mm)
aparc_a2009s_lh.G_oc.temp_m ed.Parahip_SurfArea.mm.2	Left hemisphere parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus (T5) surface area (mm ²)
aparc_a2009s_lh.G_oc.temp_m ed.Parahip_GrayVol.mm.3	Left hemisphere parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus (T5) gray matter volume (mm ³)
aparc_a2009s_lh.G_oc.temp_m ed.Parahip_ThickAvg.mm	Left hemisphere parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus (T5) average thickness (mm)
aparc_a2009s_lh.G_orbital_SurfArea.mm.2	Left hemisphere orbital gyri surface area (mm ²)
aparc_a2009s_lh.G_orbital_GrayVol.mm.3	Left hemisphere orbital gyri gray matter volume (mm ³)
aparc_a2009s_lh.G_orbital_ThickAvg.mm	Left hemisphere orbital gyri average thickness (mm)
aparc_a2009s_lh.G_pariet_inf. Angular SurfArea.mm.2	Left hemisphere angular gyrus surface area (mm ²)
aparc_a2009s_lh.G_pariet_inf. Angular GrayVol.mm.3	Left hemisphere angular gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_pariet_inf. Angular ThickAvg.mm	Left hemisphere angular gyrus average thickness (mm)
aparc_a2009s_lh.G_pariet_inf. Supramar SurfArea.mm.2	Left hemisphere supramarginal gyrus surface area (mm ²)
aparc_a2009s_lh.G_pariet_inf. Supramar GrayVol.mm.3	Left hemisphere supramarginal gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_pariet_inf. Supramar ThickAvg.mm	Left hemisphere supramarginal gyrus average thickness (mm)
aparc_a2009s_lh.G_parietal_sup_SurfArea.mm.2	Left hemisphere superior parietal lobule (lateral part of P1) surface area (mm ²)
aparc_a2009s_lh.G_parietal_sup_GrayVol.mm.3	Left hemisphere superior parietal lobule (lateral part of P1) gray matter volume (mm ³)
aparc_a2009s_lh.G_parietal_sup_ThickAvg.mm	Left hemisphere superior parietal lobule (lateral part of P1) average thickness (mm)
aparc_a2009s_lh.G_postcentral SurfArea.mm.2	Left hemisphere postcentral gyrus surface area (mm ²)
aparc_a2009s_lh.G_postcentral GrayVol.mm.3	Left hemisphere postcentral gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_postcentral ThickAvg.mm	Left hemisphere postcentral gyrus average thickness (mm)

aparc_a2009s_lh.G_precentral_SurfArea.mm.2	Left hemisphere precentral gyrus surface area (mm ²)
aparc_a2009s_lh.G_precentral_GrayVol.mm.3	Left hemisphere precentral gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_precentral_ThickAvg.mm	Left hemisphere precentral gyrus average thickness (mm)
aparc_a2009s_lh.G_precuneus_SurfArea.mm.2	Left hemisphere precuneus (medial part of P1) surface area (mm ²)
aparc_a2009s_lh.G_precuneus_GrayVol.mm.3	Left hemisphere precuneus (medial part of P1) gray matter volume (mm ³)
aparc_a2009s_lh.G_precuneus_ThickAvg.mm	Left hemisphere precuneus (medial part of P1) average thickness (mm)
aparc_a2009s_lh.G_rectus_SurfArea.mm.2	Left hemisphere straight gyrus, Gyrus rectus surface area (mm ²)
aparc_a2009s_lh.G_rectus_GrayVol.mm.3	Left hemisphere straight gyrus, Gyrus rectus gray matter volume (mm ³)
aparc_a2009s_lh.G_rectus_ThickAvg.mm	Left hemisphere straight gyrus, Gyrus rectus average thickness (mm)
aparc_a2009s_lh.G_subcallosal_SurfArea.mm.2	Left hemisphere subcallosal area, subcallosal gyrus surface area (mm ²)
aparc_a2009s_lh.G_subcallosal_GrayVol.mm.3	Left hemisphere subcallosal area, subcallosal gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_subcallosal_ThickAvg.mm	Left hemisphere subcallosal area, subcallosal gyrus average thickness (mm)
aparc_a2009s_lh.G_temp_sup.G_T_transv_SurfArea.mm.2	Left hemisphere anterior transverse temporal gyrus (of Heschl) surface area (mm ²)
aparc_a2009s_lh.G_temp_sup.G_T_transv_GrayVol.mm.3	Left hemisphere anterior transverse temporal gyrus (of Heschl) gray matter volume (mm ³)
aparc_a2009s_lh.G_temp_sup.G_T_transv_ThickAvg.mm	Left hemisphere anterior transverse temporal gyrus (of Heschl) average thickness (mm)
aparc_a2009s_lh.G_temp_sup.Lateral_SurfArea.mm.2	Left hemisphere lateral aspect of the superior temporal gyrus surface area (mm ²)
aparc_a2009s_lh.G_temp_sup.Lateral_GrayVol.mm.3	Left hemisphere lateral aspect of the superior temporal gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_temp_sup.Lateral_ThickAvg.mm	Left hemisphere lateral aspect of the superior temporal gyrus average thickness (mm)
aparc_a2009s_lh.G_temp_sup.Plan_polar_SurfArea.mm.2	Left hemisphere planum polare of the superior temporal gyrus surface area (mm ²)
aparc_a2009s_lh.G_temp_sup.Plan_polar_GrayVol.mm.3	Left hemisphere planum polare of the superior temporal gyrus gray matter volume (mm ³)
aparc_a2009s_lh.G_temp_sup.Plan_polar_ThickAvg.mm	Left hemisphere planum polare of the superior temporal gyrus average thickness (mm)
aparc_a2009s_lh.G_temp_sup.Plan_tempo_SurfArea.mm.2	Left hemisphere planum temporale or temporal plane of the superior temporal gyrus surface area (mm ²)
aparc_a2009s_lh.G_temp_sup.Plan_tempo_GrayVol.mm.3	Left hemisphere planum temporale or temporal plane of the superior temporal gyrus gray matter volume (mm ³)

aparc_a2009s_lh.G_temp_sup.Plan_tempo_ThickAvg.mm	Left hemisphere planum temporale or temporal plane of the superior temporal gyrus average thickness (mm)
aparc_a2009s_lh.G_temporal_infn_SurfArea.mm.2	Left hemisphere inferior temporal gyrus (T3) surface area (mm ²)
aparc_a2009s_lh.G_temporal_infn_GrayVol.mm.3	Left hemisphere inferior temporal gyrus (T3) gray matter volume (mm ³)
aparc_a2009s_lh.G_temporal_infn_ThickAvg.mm	Left hemisphere inferior temporal gyrus (T3) average thickness (mm)
aparc_a2009s_lh.G_temporal_middle_SurfArea.mm.2	Left hemisphere middle temporal gyrus (T2) surface area (mm ²)
aparc_a2009s_lh.G_temporal_middle_GrayVol.mm.3	Left hemisphere middle temporal gyrus (T2) gray matter volume (mm ³)
aparc_a2009s_lh.G_temporal_middle_ThickAvg.mm	Left hemisphere middle temporal gyrus (T2) average thickness (mm)
aparc_a2009s_lh.Lat_Fis.ant.Horizont_SurfArea.mm.2	Left hemisphere horizontal ramus of the anterior segment of the lateral sulcus (or fissure) surface area (mm ²)
aparc_a2009s_lh.Lat_Fis.ant.Horizont_GrayVol.mm.3	Left hemisphere horizontal ramus of the anterior segment of the lateral sulcus (or fissure) gray matter volume (mm ³)
aparc_a2009s_lh.Lat_Fis.ant.Horizont_ThickAvg.mm	Left hemisphere horizontal ramus of the anterior segment of the lateral sulcus (or fissure) average thickness (mm)
aparc_a2009s_lh.Lat_Fis.ant.Vertical_SurfArea.mm.2	Left hemisphere vertical ramus of the anterior segment of the lateral sulcus (or fissure) surface area (mm ²)
aparc_a2009s_lh.Lat_Fis.ant.Vertical_GrayVol.mm.3	Left hemisphere vertical ramus of the anterior segment of the lateral sulcus (or fissure) gray matter volume (mm ³)
aparc_a2009s_lh.Lat_Fis.ant.Vertical_ThickAvg.mm	Left hemisphere vertical ramus of the anterior segment of the lateral sulcus (or fissure) average thickness (mm)
aparc_a2009s_lh.Lat_Fis.post_SurfArea.mm.2	Left hemisphere posterior ramus (or segment) of the lateral sulcus (or fissure) surface area (mm ²)
aparc_a2009s_lh.Lat_Fis.post_GrayVol.mm.3	Left hemisphere posterior ramus (or segment) of the lateral sulcus (or fissure) gray matter volume (mm ³)
aparc_a2009s_lh.Lat_Fis.post_ThickAvg.mm	Left hemisphere posterior ramus (or segment) of the lateral sulcus (or fissure) average thickness (mm)
aparc_a2009s_lh.Pole_occipital_SurfArea.mm.2	Left hemisphere occipital pole surface area (mm ²)
aparc_a2009s_lh.Pole_occipital_GrayVol.mm.3	Left hemisphere occipital pole gray matter volume (mm ³)
aparc_a2009s_lh.Pole_occipital_ThickAvg.mm	Left hemisphere occipital pole average thickness (mm)
aparc_a2009s_lh.Pole_temporal1_SurfArea.mm.2	Left hemisphere temporal pole surface area (mm ²)
aparc_a2009s_lh.Pole_temporal1_GrayVol.mm.3	Left hemisphere temporal pole gray matter volume (mm ³)
aparc_a2009s_lh.Pole_temporal1_ThickAvg.mm	Left hemisphere temporal pole average thickness (mm)
aparc_a2009s_lh.S_calcarine_SurfArea.mm.2	Left hemisphere calcarine sulcus surface area (mm ²)

aparc_a2009s_lh.S_calcarine_GrayVol.mm.3	Left hemisphere calcarine sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_calcarine_ThickAvg.mm	Left hemisphere calcarine sulcus average thickness (mm)
aparc_a2009s_lh.S_central_SurfArea.mm.2	Left hemisphere central sulcus (Rolando's fissure) surface area (mm ²)
aparc_a2009s_lh.S_central_GrayVol.mm.3	Left hemisphere central sulcus (Rolando's fissure) gray matter volume (mm ³)
aparc_a2009s_lh.S_central_ThickAvg.mm	Left hemisphere central sulcus (Rolando's fissure) average thickness (mm)
aparc_a2009s_lh.S_cingul.Marginalis_SurfArea.mm.2	Left hemisphere marginal branch (or part) of the cingulate sulcus surface area (mm ²)
aparc_a2009s_lh.S_cingul.Marginalis_GrayVol.mm.3	Left hemisphere marginal branch (or part) of the cingulate sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_cingul.Marginalis_ThickAvg.mm	Left hemisphere marginal branch (or part) of the cingulate sulcus average thickness (mm)
aparc_a2009s_lh.S_circular_insula_ant_SurfArea.mm.2	Left hemisphere anterior segment of the circular sulcus of the insula surface area (mm ²)
aparc_a2009s_lh.S_circular_insula_ant_GrayVol.mm.3	Left hemisphere anterior segment of the circular sulcus of the insula gray matter volume (mm ³)
aparc_a2009s_lh.S_circular_insula_ant_ThickAvg.mm	Left hemisphere anterior segment of the circular sulcus of the insula average thickness (mm)
aparc_a2009s_lh.S_circular_insula_inf_SurfArea.mm.2	Left hemisphere inferior segment of the circular sulcus of the insula surface area (mm ²)
aparc_a2009s_lh.S_circular_insula_inf_GrayVol.mm.3	Left hemisphere inferior segment of the circular sulcus of the insula gray matter volume (mm ³)
aparc_a2009s_lh.S_circular_insula_inf_ThickAvg.mm	Left hemisphere inferior segment of the circular sulcus of the insula average thickness (mm)
aparc_a2009s_lh.S_circular_insula_sup_SurfArea.mm.2	Left hemisphere superior segment of the circular sulcus of the insula surface area (mm ²)
aparc_a2009s_lh.S_circular_insula_sup_GrayVol.mm.3	Left hemisphere superior segment of the circular sulcus of the insula gray matter volume (mm ³)
aparc_a2009s_lh.S_circular_insula_sup_ThickAvg.mm	Left hemisphere superior segment of the circular sulcus of the insula average thickness (mm)
aparc_a2009s_lh.S_collat_transv_ant_SurfArea.mm.2	Left hemisphere anterior transverse collateral sulcus surface area (mm ²)
aparc_a2009s_lh.S_collat_transv_ant_GrayVol.mm.3	Left hemisphere anterior transverse collateral sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_collat_transv_ant_ThickAvg.mm	Left hemisphere anterior transverse collateral sulcus average thickness (mm)
aparc_a2009s_lh.S_collat_transv_post_SurfArea.mm.2	Left hemisphere posterior transverse collateral sulcus surface area (mm ²)
aparc_a2009s_lh.S_collat_transv_post_GrayVol.mm.3	Left hemisphere posterior transverse collateral sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_collat_transv_post_ThickAvg.mm	Left hemisphere posterior transverse collateral sulcus average thickness (mm)

aparc_a2009s_lh.S_front_inf_SurfArea.mm.2	Left hemisphere inferior frontal sulcus surface area (mm ²)
aparc_a2009s_lh.S_front_inf_GrayVol.mm.3	Left hemisphere inferior frontal sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_front_inf_ThickAvg.mm	Left hemisphere inferior frontal sulcus average thickness (mm)
aparc_a2009s_lh.S_front_middle_SurfArea.mm.2	Left hemisphere middle frontal sulcus surface area (mm ²)
aparc_a2009s_lh.S_front_middle_GrayVol.mm.3	Left hemisphere middle frontal sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_front_middle_ThickAvg.mm	Left hemisphere middle frontal sulcus average thickness (mm)
aparc_a2009s_lh.S_front_sup_SurfArea.mm.2	Left hemisphere superior frontal sulcus surface area (mm ²)
aparc_a2009s_lh.S_front_sup_GrayVol.mm.3	Left hemisphere superior frontal sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_front_sup_ThickAvg.mm	Left hemisphere superior frontal sulcus average thickness (mm)
aparc_a2009s_lh.S_interm_prim.Jensen_SurfArea.mm.2	Left hemisphere sulcus intermedius primus (of Jensen) surface area (mm ²)
aparc_a2009s_lh.S_interm_prim.Jensen_GrayVol.mm.3	Left hemisphere sulcus intermedius primus (of Jensen) gray matter volume (mm ³)
aparc_a2009s_lh.S_interm_prim.Jensen_ThickAvg.mm	Left hemisphere sulcus intermedius primus (of Jensen) average thickness (mm)
aparc_a2009s_lh.S_intraparietal_and_P_trans_SurfArea.mm.2	Left hemisphere intraparietal sulcus (interparietal sulcus) and transverse parietal sulci surface area (mm ²)
aparc_a2009s_lh.S_intraparietal_and_P_trans_GrayVol.mm.3	Left hemisphere intraparietal sulcus (interparietal sulcus) and transverse parietal sulci gray matter volume (mm ³)
aparc_a2009s_lh.S_intraparietal_and_P_trans_ThickAvg.mm	Left hemisphere intraparietal sulcus (interparietal sulcus) and transverse parietal sulci average thickness (mm)
aparc_a2009s_lh.S_oc_middle_and_Lunatus_SurfArea.mm.2	Left hemisphere middle occipital sulcus and lunatus sulcus surface area (mm ²)
aparc_a2009s_lh.S_oc_middle_and_Lunatus_GrayVol.mm.3	Left hemisphere middle occipital sulcus and lunatus sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_oc_middle_and_Lunatus_ThickAvg.mm	Left hemisphere middle occipital sulcus and lunatus sulcus average thickness (mm)
aparc_a2009s_lh.S_oc_sup_and_transversal_SurfArea.mm.2	Left hemisphere superior occipital sulcus and transverse occipital sulcus surface area (mm ²)
aparc_a2009s_lh.S_oc_sup_and_transversal_GrayVol.mm.3	Left hemisphere superior occipital sulcus and transverse occipital sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_oc_sup_and_transversal_ThickAvg.mm	Left hemisphere superior occipital sulcus and transverse occipital sulcus average thickness (mm)
aparc_a2009s_lh.S_occipital_ant_SurfArea.mm.2	Left hemisphere anterior occipital sulcus and preoccipital notch (temporo-occipital incisure) surface area (mm ²)

aparc_a2009s_lh.S_occipital_ant_GrayVol.mm.3	Left hemisphere anterior occipital sulcus and preoccipital notch (temporo-occipital incisure) gray matter volume (mm ³)
aparc_a2009s_lh.S_occipital_ant_ThickAvg.mm	Left hemisphere anterior occipital sulcus and preoccipital notch (temporo-occipital incisure) average thickness (mm)
aparc_a2009s_lh.S_oc.temp_lat_SurfArea.mm.2	Left hemisphere lateral occipito-temporal sulcus surface area (mm ²)
aparc_a2009s_lh.S_oc.temp_lat_GrayVol.mm.3	Left hemisphere lateral occipito-temporal sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_oc.temp_lat_ThickAvg.mm	Left hemisphere lateral occipito-temporal sulcus average thickness (mm)
aparc_a2009s_lh.S_oc.temp_med_and_Lingual_SurfArea.mm.2	Left hemisphere medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus surface area (mm ²)
aparc_a2009s_lh.S_oc.temp_med_and_Lingual_GrayVol.mm.3	Left hemisphere medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_oc.temp_med_and_Lingual_ThickAvg.mm	Left hemisphere medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus average thickness (mm)
aparc_a2009s_lh.S_orbital_lateral_SurfArea.mm.2	Left hemisphere lateral orbital sulcus surface area (mm ²)
aparc_a2009s_lh.S_orbital_lateral_GrayVol.mm.3	Left hemisphere lateral orbital sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_orbital_lateral_ThickAvg.mm	Left hemisphere lateral orbital sulcus average thickness (mm)
aparc_a2009s_lh.S_orbital_med.olfact_SurfArea.mm.2	Left hemisphere medial orbital sulcus (olfactory sulcus) surface area (mm ²)
aparc_a2009s_lh.S_orbital_med.olfact_GrayVol.mm.3	Left hemisphere medial orbital sulcus (olfactory sulcus) gray matter volume (mm ³)
aparc_a2009s_lh.S_orbital_med.olfact_ThickAvg.mm	Left hemisphere medial orbital sulcus (olfactory sulcus) average thickness (mm)
aparc_a2009s_lh.S_orbital.H_Shaped_SurfArea.mm.2	Left hemisphere orbital sulci (H-shaped sulci) surface area (mm ²)
aparc_a2009s_lh.S_orbital.H_Shaped_GrayVol.mm.3	Left hemisphere orbital sulci (H-shaped sulci) gray matter volume (mm ³)
aparc_a2009s_lh.S_orbital.H_Shaped_ThickAvg.mm	Left hemisphere orbital sulci (H-shaped sulci) average thickness (mm)
aparc_a2009s_lh.S_parieto_occipital_SurfArea.mm.2	Left hemisphere parieto-occipital sulcus (or fissure) surface area (mm ²)
aparc_a2009s_lh.S_parieto_occipital_GrayVol.mm.3	Left hemisphere parieto-occipital sulcus (or fissure) gray matter volume (mm ³)
aparc_a2009s_lh.S_parieto_occipital_ThickAvg.mm	Left hemisphere parieto-occipital sulcus (or fissure) average thickness (mm)
aparc_a2009s_lh.S_pericallosal_SurfArea.mm.2	Left hemisphere pericallosal sulcus (S of corpus callosum) surface area (mm ²)

aparc_a2009s_lh.S_pericallosal GrayVol.mm.3	Left hemisphere pericallosal sulcus (S of corpus callosum) gray matter volume (mm ³)
aparc_a2009s_lh.S_pericallosal ThickAvg.mm	Left hemisphere pericallosal sulcus (S of corpus callosum) average thickness (mm)
aparc_a2009s_lh.S_postcentral SurfArea.mm.2	Left hemisphere postcentral sulcus surface area (mm ²)
aparc_a2009s_lh.S_postcentral GrayVol.mm.3	Left hemisphere postcentral sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_postcentral ThickAvg.mm	Left hemisphere postcentral sulcus average thickness (mm)
aparc_a2009s_lh.S_precentral.i nf.part SurfArea.mm.2	Left hemisphere inferior part of the precentral sulcus surface area (mm ²)
aparc_a2009s_lh.S_precentral.i nf.part GrayVol.mm.3	Left hemisphere inferior part of the precentral sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_precentral.i nf.part ThickAvg.mm	Left hemisphere inferior part of the precentral sulcus average thickness (mm)
aparc_a2009s_lh.S_precentral.s up.part SurfArea.mm.2	Left hemisphere superior part of the precentral sulcus surface area (mm ²)
aparc_a2009s_lh.S_precentral.s up.part GrayVol.mm.3	Left hemisphere superior part of the precentral sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_precentral.s up.part ThickAvg.mm	Left hemisphere superior part of the precentral sulcus average thickness (mm)
aparc_a2009s_lh.S_suborbital_ SurfArea.mm.2	Left hemisphere suborbital sulcus (sulcus rostrales, supraorbital sulcus) surface area (mm ²)
aparc_a2009s_lh.S_suborbital_ GrayVol.mm.3	Left hemisphere suborbital sulcus (sulcus rostrales, supraorbital sulcus) gray matter volume (mm ³)
aparc_a2009s_lh.S_suborbital_ ThickAvg.mm	Left hemisphere suborbital sulcus (sulcus rostrales, supraorbital sulcus) average thickness (mm)
aparc_a2009s_lh.S_subparietal SurfArea.mm.2	Left hemisphere subparietal sulcus surface area (mm ²)
aparc_a2009s_lh.S_subparietal GrayVol.mm.3	Left hemisphere subparietal sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_subparietal ThickAvg.mm	Left hemisphere subparietal sulcus average thickness (mm)
aparc_a2009s_lh.S_temporal_i nf SurfArea.mm.2	Left hemisphere inferior temporal sulcus surface area (mm ²)
aparc_a2009s_lh.S_temporal_i nf GrayVol.mm.3	Left hemisphere inferior temporal sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_temporal_i nf ThickAvg.mm	Left hemisphere inferior temporal sulcus average thickness (mm)
aparc_a2009s_lh.S_temporal_s up SurfArea.mm.2	Left hemisphere superior temporal sulcus (parallel sulcus) surface area (mm ²)
aparc_a2009s_lh.S_temporal_s up GrayVol.mm.3	Left hemisphere superior temporal sulcus (parallel sulcus) gray matter volume (mm ³)
aparc_a2009s_lh.S_temporal_s up ThickAvg.mm	Left hemisphere superior temporal sulcus (parallel sulcus) average thickness (mm)

aparc_a2009s_lh.S_temporal_transverse SurfArea.mm.2	Left hemisphere transverse temporal sulcus surface area (mm ²)
aparc_a2009s_lh.S_temporal_transverse GrayVol.mm.3	Left hemisphere transverse temporal sulcus gray matter volume (mm ³)
aparc_a2009s_lh.S_temporal_transverse ThickAvg.mm	Left hemisphere transverse temporal sulcus average thickness (mm)
aparc_a2009s_rh.G_and_S_frontomargin SurfArea.mm.2	Right hemisphere fronto-marginal gyrus (of Wernicke) and sulcus surface area (mm ²)
aparc_a2009s_rh.G_and_S_frontomargin GrayVol.mm.3	Right hemisphere fronto-marginal gyrus (of Wernicke) and sulcus gray matter volume (mm ³)
aparc_a2009s_rh.G_and_S_frontomargin ThickAvg.mm	Right hemisphere fronto-marginal gyrus (of Wernicke) and sulcus average thickness (mm)
aparc_a2009s_rh.G_and_S_occipital_inf SurfArea.mm.2	Right hemisphere inferior occipital gyrus (O3) and sulcus surface area (mm ²)
aparc_a2009s_rh.G_and_S_occipital_inf GrayVol.mm.3	Right hemisphere inferior occipital gyrus (O3) and sulcus gray matter volume (mm ³)
aparc_a2009s_rh.G_and_S_occipital_inf ThickAvg.mm	Right hemisphere inferior occipital gyrus (O3) and sulcus average thickness (mm)
aparc_a2009s_rh.G_and_S_paracentral SurfArea.mm.2	Right hemisphere paracentral lobule and sulcus surface area (mm ²)
aparc_a2009s_rh.G_and_S_paracentral GrayVol.mm.3	Right hemisphere paracentral lobule and sulcus gray matter volume (mm ³)
aparc_a2009s_rh.G_and_S_paracentral ThickAvg.mm	Right hemisphere paracentral lobule and sulcus average thickness (mm)
aparc_a2009s_rh.G_and_S_subcentral SurfArea.mm.2	Right hemisphere subcentral gyrus (central operculum) and sulci surface area (mm ²)
aparc_a2009s_rh.G_and_S_subcentral GrayVol.mm.3	Right hemisphere subcentral gyrus (central operculum) and sulci gray matter volume (mm ³)
aparc_a2009s_rh.G_and_S_subcentral ThickAvg.mm	Right hemisphere subcentral gyrus (central operculum) and sulci average thickness (mm)
aparc_a2009s_rh.G_and_S_transv_frontopol SurfArea.mm.2	Right hemisphere transverse frontopolar gyri and sulci surface area (mm ²)
aparc_a2009s_rh.G_and_S_transv_frontopol GrayVol.mm.3	Right hemisphere transverse frontopolar gyri and sulci gray matter volume (mm ³)
aparc_a2009s_rh.G_and_S_transv_frontopol ThickAvg.mm	Right hemisphere transverse frontopolar gyri and sulci average thickness (mm)
aparc_a2009s_rh.G_and_S_cingul.Ant SurfArea.mm.2	Right hemisphere anterior part of the cingulate gyrus and sulcus (ACC) surface area (mm ²)
aparc_a2009s_rh.G_and_S_cingul.Ant GrayVol.mm.3	Right hemisphere anterior part of the cingulate gyrus and sulcus (ACC) gray matter volume (mm ³)
aparc_a2009s_rh.G_and_S_cingul.Ant ThickAvg.mm	Right hemisphere anterior part of the cingulate gyrus and sulcus (ACC) average thickness (mm)
aparc_a2009s_rh.G_and_S_cingul.Mid.Ant SurfArea.mm.2	Right hemisphere middle-anterior part of the cingulate gyrus and sulcus (aMCC) surface area (mm ²)
aparc_a2009s_rh.G_and_S_cingul.Mid.Ant GrayVol.mm.3	Right hemisphere middle-anterior part of the cingulate gyrus and sulcus (aMCC) gray matter volume (mm ³)

aparc_a2009s_rh.G_and_S_cingul.Mid.Ant_ThickAvg.mm	Right hemisphere middle-anterior part of the cingulate gyrus and sulcus (aMCC) average thickness (mm)
aparc_a2009s_rh.G_and_S_cingul.Mid.Post_SurfArea.mm.2	Right hemisphere middle-posterior part of the cingulate gyrus and sulcus (pMCC) surface area (mm ²)
aparc_a2009s_rh.G_and_S_cingul.Mid.Post_GrayVol.mm.3	Right hemisphere middle-posterior part of the cingulate gyrus and sulcus (pMCC) gray matter volume (mm ³)
aparc_a2009s_rh.G_and_S_cingul.Mid.Post_ThickAvg.mm	Right hemisphere middle-posterior part of the cingulate gyrus and sulcus (pMCC) average thickness (mm)
aparc_a2009s_rh.G_cingul.Post.dorsal_SurfArea.mm.2	Right hemisphere posterior-dorsal part of the cingulate gyrus (dPCC) surface area (mm ²)
aparc_a2009s_rh.G_cingul.Post.dorsal_GrayVol.mm.3	Right hemisphere posterior-dorsal part of the cingulate gyrus (dPCC) gray matter volume (mm ³)
aparc_a2009s_rh.G_cingul.Post.dorsal_ThickAvg.mm	Right hemisphere posterior-dorsal part of the cingulate gyrus (dPCC) average thickness (mm)
aparc_a2009s_rh.G_cingul.Post.ventral_SurfArea.mm.2	Right hemisphere posterior-ventral part of the cingulate gyrus (vPCC, isthmus of the cingulate gyrus) surface area (mm ²)
aparc_a2009s_rh.G_cingul.Post.ventral_GrayVol.mm.3	Right hemisphere posterior-ventral part of the cingulate gyrus (vPCC, isthmus of the cingulate gyrus) gray matter volume (mm ³)
aparc_a2009s_rh.G_cingul.Post.ventral_ThickAvg.mm	Right hemisphere posterior-ventral part of the cingulate gyrus (vPCC, isthmus of the cingulate gyrus) average thickness (mm)
aparc_a2009s_rh.G_cuneus_SurfArea.mm.2	Right hemisphere cuneus (O6) surface area (mm ²)
aparc_a2009s_rh.G_cuneus_GrayVol.mm.3	Right hemisphere cuneus (O6) gray matter volume (mm ³)
aparc_a2009s_rh.G_cuneus_ThickAvg.mm	Right hemisphere cuneus (O6) average thickness (mm)
aparc_a2009s_rh.G_front_inf.Opercular_SurfArea.mm.2	Right hemisphere opercular part of the inferior frontal gyrus surface area (mm ²)
aparc_a2009s_rh.G_front_inf.Opercular_GrayVol.mm.3	Right hemisphere opercular part of the inferior frontal gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_front_inf.Opercular_ThickAvg.mm	Right hemisphere opercular part of the inferior frontal gyrus average thickness (mm)
aparc_a2009s_rh.G_front_inf.Orbital_SurfArea.mm.2	Right hemisphere orbital part of the inferior frontal gyrus surface area (mm ²)
aparc_a2009s_rh.G_front_inf.Orbital_GrayVol.mm.3	Right hemisphere orbital part of the inferior frontal gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_front_inf.Orbital_ThickAvg.mm	Right hemisphere orbital part of the inferior frontal gyrus average thickness (mm)
aparc_a2009s_rh.G_front_inf.Triangul_SurfArea.mm.2	Right hemisphere triangular part of the inferior frontal gyrus surface area (mm ²)
aparc_a2009s_rh.G_front_inf.Triangul_GrayVol.mm.3	Right hemisphere triangular part of the inferior frontal gyrus gray matter volume (mm ³)

aparc_a2009s_rh.G_front_inf.Triangul_ThickAvg.mm	Right hemisphere triangular part of the inferior frontal gyrus average thickness (mm)
aparc_a2009s_rh.G_front_middle_SurfArea.mm.2	Right hemisphere middle frontal gyrus (F2) surface area (mm ²)
aparc_a2009s_rh.G_front_middle_GrayVol.mm.3	Right hemisphere middle frontal gyrus (F2) gray matter volume (mm ³)
aparc_a2009s_rh.G_front_middle_ThickAvg.mm	Right hemisphere middle frontal gyrus (F2) average thickness (mm)
aparc_a2009s_rh.G_front_superior_SurfArea.mm.2	Right hemisphere superior frontal gyrus (F1) surface area (mm ²)
aparc_a2009s_rh.G_front_superior_GrayVol.mm.3	Right hemisphere superior frontal gyrus (F1) gray matter volume (mm ³)
aparc_a2009s_rh.G_front_superior_ThickAvg.mm	Right hemisphere superior frontal gyrus (F1) average thickness (mm)
aparc_a2009s_rh.G_Insular_long_and_central_insular_SurfArea.mm.2	Right hemisphere long insular gyrus and central sulcus of the insula surface area (mm ²)
aparc_a2009s_rh.G_Insular_long_and_central_insular_GrayVol.mm.3	Right hemisphere long insular gyrus and central sulcus of the insula gray matter volume (mm ³)
aparc_a2009s_rh.G_Insular_long_and_central_insular_ThickAvg.mm	Right hemisphere long insular gyrus and central sulcus of the insula average thickness (mm)
aparc_a2009s_rh.G_insular_short_SurfArea.mm.2	Right hemisphere short insular gyri surface area (mm ²)
aparc_a2009s_rh.G_insular_short_GrayVol.mm.3	Right hemisphere short insular gyri gray matter volume (mm ³)
aparc_a2009s_rh.G_insular_short_ThickAvg.mm	Right hemisphere short insular gyri average thickness (mm)
aparc_a2009s_rh.G_occipital_middle_SurfArea.mm.2	Right hemisphere middle occipital gyrus (O2, lateral occipital gyrus) surface area (mm ²)
aparc_a2009s_rh.G_occipital_middle_GrayVol.mm.3	Right hemisphere middle occipital gyrus (O2, lateral occipital gyrus) gray matter volume (mm ³)
aparc_a2009s_rh.G_occipital_middle_ThickAvg.mm	Right hemisphere middle occipital gyrus (O2, lateral occipital gyrus) average thickness (mm)
aparc_a2009s_rh.G_occipital_superior_SurfArea.mm.2	Right hemisphere superior occipital gyrus (O1) surface area (mm ²)
aparc_a2009s_rh.G_occipital_superior_GrayVol.mm.3	Right hemisphere superior occipital gyrus (O1) gray matter volume (mm ³)
aparc_a2009s_rh.G_occipital_superior_ThickAvg.mm	Right hemisphere superior occipital gyrus (O1) average thickness (mm)
aparc_a2009s_rh.G_occipital_temporal_lateral_fusiform_SurfArea.mm.2	Right hemisphere lateral occipito-temporal gyrus (fusiform gyrus, O4-T4) surface area (mm ²)
aparc_a2009s_rh.G_occipital_temporal_lateral_fusiform_GrayVol.mm.3	Right hemisphere lateral occipito-temporal gyrus (fusiform gyrus, O4-T4) gray matter volume (mm ³)
aparc_a2009s_rh.G_occipital_temporal_lateral_fusiform_ThickAvg.mm	Right hemisphere lateral occipito-temporal gyrus (fusiform gyrus, O4-T4) average thickness (mm)
aparc_a2009s_rh.G_occipital_temporal_medial_Lingual_SurfArea.mm.2	Right hemisphere lingual gyrus, lingual part of the medial occipito-temporal gyrus (O5) surface area (mm ²)

aparc_a2009s_rh.G_oc.temp_m ed.Lingual_GrayVol.mm.3	Right hemisphere lingual gyrus, ligual part of the medial occipito-temporal gyrus (O5) gray matter volume (mm ³)
aparc_a2009s_rh.G_oc.temp_m ed.Lingual_ThickAvg.mm	Right hemisphere lingual gyrus, ligual part of the medial occipito-temporal gyrus (O5) average thickness (mm)
aparc_a2009s_rh.G_oc.temp_m ed.Parahip_SurfArea.mm.2	Right hemisphere parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus (T5) surface area (mm ²)
aparc_a2009s_rh.G_oc.temp_m ed.Parahip_GrayVol.mm.3	Right hemisphere parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus (T5) gray matter volume (mm ³)
aparc_a2009s_rh.G_oc.temp_m ed.Parahip_ThickAvg.mm	Right hemisphere parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus (T5) average thickness (mm)
aparc_a2009s_rh.G_orbital_SurfArea.mm.2	Right hemisphere orbital gyri surface area (mm ²)
aparc_a2009s_rh.G_orbital_GrayVol.mm.3	Right hemisphere orbital gyri gray matter volume (mm ³)
aparc_a2009s_rh.G_orbital_ThickAvg.mm	Right hemisphere orbital gyri average thickness (mm)
aparc_a2009s_rh.G_pariet_inf.Angular_SurfArea.mm.2	Right hemisphere angular gyrus surface area (mm ²)
aparc_a2009s_rh.G_pariet_inf.Angular_GrayVol.mm.3	Right hemisphere angular gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_pariet_inf.Angular_ThickAvg.mm	Right hemisphere angular gyrus average thickness (mm)
aparc_a2009s_rh.G_pariet_inf.Supramar_SurfArea.mm.2	Right hemisphere supramarginal gyrus surface area (mm ²)
aparc_a2009s_rh.G_pariet_inf.Supramar_GrayVol.mm.3	Right hemisphere supramarginal gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_pariet_inf.Supramar_ThickAvg.mm	Right hemisphere supramarginal gyrus average thickness (mm)
aparc_a2009s_rh.G_parietal_sup_SurfArea.mm.2	Right hemisphere superior parietal lobule (lateral part of P1) surface area (mm ²)
aparc_a2009s_rh.G_parietal_sup_GrayVol.mm.3	Right hemisphere superior parietal lobule (lateral part of P1) gray matter volume (mm ³)
aparc_a2009s_rh.G_parietal_sup_ThickAvg.mm	Right hemisphere superior parietal lobule (lateral part of P1) average thickness (mm)
aparc_a2009s_rh.G_postcentral_SurfArea.mm.2	Right hemisphere postcentral gyrus surface area (mm ²)
aparc_a2009s_rh.G_postcentral_GrayVol.mm.3	Right hemisphere postcentral gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_postcentral_ThickAvg.mm	Right hemisphere postcentral gyrus average thickness (mm)
aparc_a2009s_rh.G_precentral_SurfArea.mm.2	Right hemisphere precentral gyrus surface area (mm ²)

aparc_a2009s_rh.G_precentral_GrayVol.mm.3	Right hemisphere precentral gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_precentral_ThickAvg.mm	Right hemisphere precentral gyrus average thickness (mm)
aparc_a2009s_rh.G_precuneus_SurfArea.mm.2	Right hemisphere precuneus (medial part of P1) surface area (mm ²)
aparc_a2009s_rh.G_precuneus_GrayVol.mm.3	Right hemisphere precuneus (medial part of P1) gray matter volume (mm ³)
aparc_a2009s_rh.G_precuneus_ThickAvg.mm	Right hemisphere precuneus (medial part of P1) average thickness (mm)
aparc_a2009s_rh.G_rectus_SurfArea.mm.2	Right hemisphere straight gyrus, Gyrus rectus surface area (mm ²)
aparc_a2009s_rh.G_rectus_GrayVol.mm.3	Right hemisphere straight gyrus, Gyrus rectus gray matter volume (mm ³)
aparc_a2009s_rh.G_rectus_ThickAvg.mm	Right hemisphere straight gyrus, Gyrus rectus average thickness (mm)
aparc_a2009s_rh.G_subcallosal_SurfArea.mm.2	Right hemisphere subcallosal area, subcallosal gyrus surface area (mm ²)
aparc_a2009s_rh.G_subcallosal_GrayVol.mm.3	Right hemisphere subcallosal area, subcallosal gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_subcallosal_ThickAvg.mm	Right hemisphere subcallosal area, subcallosal gyrus average thickness (mm)
aparc_a2009s_rh.G_temp_sup.G T transv SurfArea.mm.2	Right hemisphere anterior transverse temporal gyrus (of Heschl) surface area (mm ²)
aparc_a2009s_rh.G_temp_sup.G T transv GrayVol.mm.3	Right hemisphere anterior transverse temporal gyrus (of Heschl) gray matter volume (mm ³)
aparc_a2009s_rh.G_temp_sup.G T transv ThickAvg.mm	Right hemisphere anterior transverse temporal gyrus (of Heschl) average thickness (mm)
aparc_a2009s_rh.G_temp_sup.Lateral SurfArea.mm.2	Right hemisphere lateral aspect of the superior temporal gyrus surface area (mm ²)
aparc_a2009s_rh.G_temp_sup.Lateral GrayVol.mm.3	Right hemisphere lateral aspect of the superior temporal gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_temp_sup.Lateral ThickAvg.mm	Right hemisphere lateral aspect of the superior temporal gyrus average thickness (mm)
aparc_a2009s_rh.G_temp_sup.Plan_polar SurfArea.mm.2	Right hemisphere planum polare of the superior temporal gyrus surface area (mm ²)
aparc_a2009s_rh.G_temp_sup.Plan_polar GrayVol.mm.3	Right hemisphere planum polare of the superior temporal gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_temp_sup.Plan_polar ThickAvg.mm	Right hemisphere planum polare of the superior temporal gyrus average thickness (mm)
aparc_a2009s_rh.G_temp_sup.Plan_tempo SurfArea.mm.2	Right hemisphere planum temporale or temporal plane of the superior temporal gyrus surface area (mm ²)
aparc_a2009s_rh.G_temp_sup.Plan_tempo GrayVol.mm.3	Right hemisphere planum temporale or temporal plane of the superior temporal gyrus gray matter volume (mm ³)
aparc_a2009s_rh.G_temp_sup.Plan_tempo ThickAvg.mm	Right hemisphere planum temporale or temporal plane of the superior temporal gyrus average thickness (mm)

aparc_a2009s_rh.G_temporal_infn_SurfArea.mm.2	Right hemisphere inferior temporal gyrus (T3) surface area (mm ²)
aparc_a2009s_rh.G_temporal_infn_GrayVol.mm.3	Right hemisphere inferior temporal gyrus (T3) gray matter volume (mm ³)
aparc_a2009s_rh.G_temporal_infn_ThickAvg.mm	Right hemisphere inferior temporal gyrus (T3) average thickness (mm)
aparc_a2009s_rh.G_temporal_middle_SurfArea.mm.2	Right hemisphere middle temporal gyrus (T2) surface area (mm ²)
aparc_a2009s_rh.G_temporal_middle_GrayVol.mm.3	Right hemisphere middle temporal gyrus (T2) gray matter volume (mm ³)
aparc_a2009s_rh.G_temporal_middle_ThickAvg.mm	Right hemisphere middle temporal gyrus (T2) average thickness (mm)
aparc_a2009s_rh.Lat_Fis.ant.Horizont_SurfArea.mm.2	Right hemisphere horizontal ramus of the anterior segment of the lateral sulcus (or fissure) surface area (mm ²)
aparc_a2009s_rh.Lat_Fis.ant.Horizont_GrayVol.mm.3	Right hemisphere horizontal ramus of the anterior segment of the lateral sulcus (or fissure) gray matter volume (mm ³)
aparc_a2009s_rh.Lat_Fis.ant.Horizont_ThickAvg.mm	Right hemisphere horizontal ramus of the anterior segment of the lateral sulcus (or fissure) average thickness (mm)
aparc_a2009s_rh.Lat_Fis.ant.Vertical_SurfArea.mm.2	Right hemisphere vertical ramus of the anterior segment of the lateral sulcus (or fissure) surface area (mm ²)
aparc_a2009s_rh.Lat_Fis.ant.Vertical_GrayVol.mm.3	Right hemisphere vertical ramus of the anterior segment of the lateral sulcus (or fissure) gray matter volume (mm ³)
aparc_a2009s_rh.Lat_Fis.ant.Vertical_ThickAvg.mm	Right hemisphere vertical ramus of the anterior segment of the lateral sulcus (or fissure) average thickness (mm)
aparc_a2009s_rh.Lat_Fis.post_SurfArea.mm.2	Right hemisphere posterior ramus (or segment) of the lateral sulcus (or fissure) surface area (mm ²)
aparc_a2009s_rh.Lat_Fis.post_GrayVol.mm.3	Right hemisphere posterior ramus (or segment) of the lateral sulcus (or fissure) gray matter volume (mm ³)
aparc_a2009s_rh.Lat_Fis.post_ThickAvg.mm	Right hemisphere posterior ramus (or segment) of the lateral sulcus (or fissure) average thickness (mm)
aparc_a2009s_rh.Pole_occipital_SurfArea.mm.2	Right hemisphere occipital pole surface area (mm ²)
aparc_a2009s_rh.Pole_occipital_GrayVol.mm.3	Right hemisphere occipital pole gray matter volume (mm ³)
aparc_a2009s_rh.Pole_occipital_ThickAvg.mm	Right hemisphere occipital pole average thickness (mm)
aparc_a2009s_rh.Pole_temporal_SurfArea.mm.2	Right hemisphere temporal pole surface area (mm ²)
aparc_a2009s_rh.Pole_temporal_GrayVol.mm.3	Right hemisphere temporal pole gray matter volume (mm ³)
aparc_a2009s_rh.Pole_temporal_ThickAvg.mm	Right hemisphere temporal pole average thickness (mm)
aparc_a2009s_rh.S_calcarine_SurfArea.mm.2	Right hemisphere calcarine sulcus surface area (mm ²)
aparc_a2009s_rh.S_calcarine_GrayVol.mm.3	Right hemisphere calcarine sulcus gray matter volume (mm ³)

aparc_a2009s_rh.S_calcarine_ThickAvg.mm	Right hemisphere calcarine sulcus average thickness (mm)
aparc_a2009s_rh.S_central_SurfArea.mm.2	Right hemisphere central sulcus (Rolando's fissure) surface area (mm ²)
aparc_a2009s_rh.S_central_GrayVol.mm.3	Right hemisphere central sulcus (Rolando's fissure) gray matter volume (mm ³)
aparc_a2009s_rh.S_central_ThickAvg.mm	Right hemisphere central sulcus (Rolando's fissure) average thickness (mm)
aparc_a2009s_rh.S_cingul.Marginalis_SurfArea.mm.2	Right hemisphere marginal branch (or part) of the cingulate sulcus surface area (mm ²)
aparc_a2009s_rh.S_cingul.Marginalis_GrayVol.mm.3	Right hemisphere marginal branch (or part) of the cingulate sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_cingul.Marginalis_ThickAvg.mm	Right hemisphere marginal branch (or part) of the cingulate sulcus average thickness (mm)
aparc_a2009s_rh.S_circular_insula_ant_SurfArea.mm.2	Right hemisphere anterior segment of the circular sulcus of the insula surface area (mm ²)
aparc_a2009s_rh.S_circular_insula_ant_GrayVol.mm.3	Right hemisphere anterior segment of the circular sulcus of the insula gray matter volume (mm ³)
aparc_a2009s_rh.S_circular_insula_ant_ThickAvg.mm	Right hemisphere anterior segment of the circular sulcus of the insula average thickness (mm)
aparc_a2009s_rh.S_circular_insula_inf_SurfArea.mm.2	Right hemisphere inferior segment of the circular sulcus of the insula surface area (mm ²)
aparc_a2009s_rh.S_circular_insula_inf_GrayVol.mm.3	Right hemisphere inferior segment of the circular sulcus of the insula gray matter volume (mm ³)
aparc_a2009s_rh.S_circular_insula_inf_ThickAvg.mm	Right hemisphere inferior segment of the circular sulcus of the insula average thickness (mm)
aparc_a2009s_rh.S_circular_insula_sup_SurfArea.mm.2	Right hemisphere superior segment of the circular sulcus of the insula surface area (mm ²)
aparc_a2009s_rh.S_circular_insula_sup_GrayVol.mm.3	Right hemisphere superior segment of the circular sulcus of the insula gray matter volume (mm ³)
aparc_a2009s_rh.S_circular_insula_sup_ThickAvg.mm	Right hemisphere superior segment of the circular sulcus of the insula average thickness (mm)
aparc_a2009s_rh.S_collat_transv_ant_SurfArea.mm.2	Right hemisphere anterior transverse collateral sulcus surface area (mm ²)
aparc_a2009s_rh.S_collat_transv_ant_GrayVol.mm.3	Right hemisphere anterior transverse collateral sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_collat_transv_ant_ThickAvg.mm	Right hemisphere anterior transverse collateral sulcus average thickness (mm)
aparc_a2009s_rh.S_collat_transv_post_SurfArea.mm.2	Right hemisphere posterior transverse collateral sulcus surface area (mm ²)
aparc_a2009s_rh.S_collat_transv_post_GrayVol.mm.3	Right hemisphere posterior transverse collateral sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_collat_transv_post_ThickAvg.mm	Right hemisphere posterior transverse collateral sulcus average thickness (mm)
aparc_a2009s_rh.S_front_inf_SurfArea.mm.2	Right hemisphere inferior frontal sulcus surface area (mm ²)

aparc_a2009s_rh.S_front_inf_GrayVol.mm.3	Right hemisphere inferior frontal sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_front_inf_ThickAvg.mm	Right hemisphere inferior frontal sulcus average thickness (mm)
aparc_a2009s_rh.S_front_middle_SurfArea.mm.2	Right hemisphere middle frontal sulcus surface area (mm ²)
aparc_a2009s_rh.S_front_middle_GrayVol.mm.3	Right hemisphere middle frontal sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_front_middle_ThickAvg.mm	Right hemisphere middle frontal sulcus average thickness (mm)
aparc_a2009s_rh.S_front_sup_SurfArea.mm.2	Right hemisphere superior frontal sulcus surface area (mm ²)
aparc_a2009s_rh.S_front_sup_GrayVol.mm.3	Right hemisphere superior frontal sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_front_sup_ThickAvg.mm	Right hemisphere superior frontal sulcus average thickness (mm)
aparc_a2009s_rh.S_interm_prim.Jensen_SurfArea.mm.2	Right hemisphere sulcus intermedius primus (of Jensen) surface area (mm ²)
aparc_a2009s_rh.S_interm_prim.Jensen_GrayVol.mm.3	Right hemisphere sulcus intermedius primus (of Jensen) gray matter volume (mm ³)
aparc_a2009s_rh.S_interm_prim.Jensen_ThickAvg.mm	Right hemisphere sulcus intermedius primus (of Jensen) average thickness (mm)
aparc_a2009s_rh.S_intraparietal_and_P_trans_SurfArea.mm.2	Right hemisphere intraparietal sulcus (interparietal sulcus) and transverse parietal sulci surface area (mm ²)
aparc_a2009s_rh.S_intraparietal_and_P_trans_GrayVol.mm.3	Right hemisphere intraparietal sulcus (interparietal sulcus) and transverse parietal sulci gray matter volume (mm ³)
aparc_a2009s_rh.S_intraparietal_and_P_trans_ThickAvg.mm	Right hemisphere intraparietal sulcus (interparietal sulcus) and transverse parietal sulci average thickness (mm)
aparc_a2009s_rh.S_oc_middle_and_Lunatus_SurfArea.mm.2	Right hemisphere middle occipital sulcus and lunatus sulcus surface area (mm ²)
aparc_a2009s_rh.S_oc_middle_and_Lunatus_GrayVol.mm.3	Right hemisphere middle occipital sulcus and lunatus sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_oc_middle_and_Lunatus_ThickAvg.mm	Right hemisphere middle occipital sulcus and lunatus sulcus average thickness (mm)
aparc_a2009s_rh.S_oc_sup_and_transversal_SurfArea.mm.2	Right hemisphere superior occipital sulcus and transverse occipital sulcus surface area (mm ²)
aparc_a2009s_rh.S_oc_sup_and_transversal_GrayVol.mm.3	Right hemisphere superior occipital sulcus and transverse occipital sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_oc_sup_and_transversal_ThickAvg.mm	Right hemisphere superior occipital sulcus and transverse occipital sulcus average thickness (mm)
aparc_a2009s_rh.S_occipital_ant_SurfArea.mm.2	Right hemisphere anterior occipital sulcus and preoccipital notch (temporo-occipital incisure) surface area (mm ²)
aparc_a2009s_rh.S_occipital_ant_GrayVol.mm.3	Right hemisphere anterior occipital sulcus and preoccipital notch (temporo-occipital incisure) gray matter volume (mm ³)

aparc_a2009s_rh.S_occipital_ant_ThickAvg.mm	Right hemisphere anterior occipital sulcus and preoccipital notch (temporo-occipital incisure) average thickness (mm)
aparc_a2009s_rh.S_oc.temp_lat_SurfArea.mm.2	Right hemisphere lateral occipito-temporal sulcus surface area (mm ²)
aparc_a2009s_rh.S_oc.temp_lat_GrayVol.mm.3	Right hemisphere lateral occipito-temporal sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_oc.temp_lat_ThickAvg.mm	Right hemisphere lateral occipito-temporal sulcus average thickness (mm)
aparc_a2009s_rh.S_oc.temp_med_and_Lingual_SurfArea.mm.2	Right hemisphere medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus surface area (mm ²)
aparc_a2009s_rh.S_oc.temp_med_and_Lingual_GrayVol.mm.3	Right hemisphere medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_oc.temp_med_and_Lingual_ThickAvg.mm	Right hemisphere medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus average thickness (mm)
aparc_a2009s_rh.S_orbital_lateral_SurfArea.mm.2	Right hemisphere lateral orbital sulcus surface area (mm ²)
aparc_a2009s_rh.S_orbital_lateral_GrayVol.mm.3	Right hemisphere lateral orbital sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_orbital_lateral_ThickAvg.mm	Right hemisphere lateral orbital sulcus average thickness (mm)
aparc_a2009s_rh.S_orbital_med.olfact_SurfArea.mm.2	Right hemisphere medial orbital sulcus (olfactory sulcus) surface area (mm ²)
aparc_a2009s_rh.S_orbital_med.olfact_GrayVol.mm.3	Right hemisphere medial orbital sulcus (olfactory sulcus) gray matter volume (mm ³)
aparc_a2009s_rh.S_orbital_med.olfact_ThickAvg.mm	Right hemisphere medial orbital sulcus (olfactory sulcus) average thickness (mm)
aparc_a2009s_rh.S_orbital.H_S_haped_SurfArea.mm.2	Right hemisphere orbital sulci (H-shaped sulci) surface area (mm ²)
aparc_a2009s_rh.S_orbital.H_S_haped_GrayVol.mm.3	Right hemisphere orbital sulci (H-shaped sulci) gray matter volume (mm ³)
aparc_a2009s_rh.S_orbital.H_S_haped_ThickAvg.mm	Right hemisphere orbital sulci (H-shaped sulci) average thickness (mm)
aparc_a2009s_rh.S_parieto_occipital_SurfArea.mm.2	Right hemisphere parieto-occipital sulcus (or fissure) surface area (mm ²)
aparc_a2009s_rh.S_parieto_occipital_GrayVol.mm.3	Right hemisphere parieto-occipital sulcus (or fissure) gray matter volume (mm ³)
aparc_a2009s_rh.S_parieto_occipital_ThickAvg.mm	Right hemisphere parieto-occipital sulcus (or fissure) average thickness (mm)
aparc_a2009s_rh.S_pericallosal_SurfArea.mm.2	Right hemisphere pericallosal sulcus (S of corpus callosum) surface area (mm ²)
aparc_a2009s_rh.S_pericallosal_GrayVol.mm.3	Right hemisphere pericallosal sulcus (S of corpus callosum) gray matter volume (mm ³)

aparc_a2009s_rh.S_pericallosal_ThickAvg.mm	Right hemisphere pericallosal sulcus (S of corpus callosum) average thickness (mm)
aparc_a2009s_rh.S_postcentral_SurfArea.mm.2	Right hemisphere postcentral sulcus surface area (mm ²)
aparc_a2009s_rh.S_postcentral_GrayVol.mm.3	Right hemisphere postcentral sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_postcentral_ThickAvg.mm	Right hemisphere postcentral sulcus average thickness (mm)
aparc_a2009s_rh.S_precentral.inf.part_SurfArea.mm.2	Right hemisphere inferior part of the precentral sulcus surface area (mm ²)
aparc_a2009s_rh.S_precentral.inf.part_GrayVol.mm.3	Right hemisphere inferior part of the precentral sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_precentral.inf.part_ThickAvg.mm	Right hemisphere inferior part of the precentral sulcus average thickness (mm)
aparc_a2009s_rh.S_precentral.sup.part_SurfArea.mm.2	Right hemisphere superior part of the precentral sulcus surface area (mm ²)
aparc_a2009s_rh.S_precentral.sup.part_GrayVol.mm.3	Right hemisphere superior part of the precentral sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_precentral.sup.part_ThickAvg.mm	Right hemisphere superior part of the precentral sulcus average thickness (mm)
aparc_a2009s_rh.S_suborbital_SurfArea.mm.2	Right hemisphere suborbital sulcus (sulcus rostrales, supraorbital sulcus) surface area (mm ²)
aparc_a2009s_rh.S_suborbital_GrayVol.mm.3	Right hemisphere suborbital sulcus (sulcus rostrales, supraorbital sulcus) gray matter volume (mm ³)
aparc_a2009s_rh.S_suborbital_ThickAvg.mm	Right hemisphere suborbital sulcus (sulcus rostrales, supraorbital sulcus) average thickness (mm)
aparc_a2009s_rh.S_subparietal_SurfArea.mm.2	Right hemisphere subparietal sulcus surface area (mm ²)
aparc_a2009s_rh.S_subparietal_GrayVol.mm.3	Right hemisphere subparietal sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_subparietal_ThickAvg.mm	Right hemisphere subparietal sulcus average thickness (mm)
aparc_a2009s_rh.S_temporal.inf.SurfArea.mm.2	Right hemisphere inferior temporal sulcus surface area (mm ²)
aparc_a2009s_rh.S_temporal.inf.GrayVol.mm.3	Right hemisphere inferior temporal sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_temporal.inf.ThickAvg.mm	Right hemisphere inferior temporal sulcus average thickness (mm)
aparc_a2009s_rh.S_temporal.sup.SurfArea.mm.2	Right hemisphere superior temporal sulcus (parallel sulcus) surface area (mm ²)
aparc_a2009s_rh.S_temporal.sup.GrayVol.mm.3	Right hemisphere superior temporal sulcus (parallel sulcus) gray matter volume (mm ³)
aparc_a2009s_rh.S_temporal.sup.ThickAvg.mm	Right hemisphere superior temporal sulcus (parallel sulcus) average thickness (mm)
aparc_a2009s_rh.S_temporal.transverse.SurfArea.mm.2	Right hemisphere transverse temporal sulcus surface area (mm ²)

aparc_a2009s_rh.S_temporal_transverse_GrayVol.mm.3	Right hemisphere transverse temporal sulcus gray matter volume (mm ³)
aparc_a2009s_rh.S_temporal_transverse_ThickAvg.mm	Right hemisphere transverse temporal sulcus average thickness (mm)

BA_exvivo_thresh

This collection has cortical labels derived from ex vivo data, where surface area comes from the white surface.

The data comes from several sources. The ROIs labeled with “BA” come from Fischl et al., 2008 where histology-based ROIs from the Zillis group were mapped on to the surface. The V1, V2, and MT are visual areas as described by Hinds et al., 2009. Finally, there is an ROI labeled “perirhinal”; this comes from Augustinack et al., 2013.

Variable Name	Description
BA_exvivo_thresh_lh.BA1_exvivo_SurfArea.mm.2	Left hemisphere Brodmann area 1 surface area (mm ²)
BA_exvivo_thresh_lh.BA1_exvivo_GrayVol.mm.3	Left hemisphere Brodmann area 1 gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA1_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 1 average thickness (mm)
BA_exvivo_thresh_lh.BA2_exvivo_SurfArea.mm.2	Left hemisphere Brodmann area 2 surface area (mm ²)
BA_exvivo_thresh_lh.BA2_exvivo_GrayVol.mm.3	Left hemisphere Brodmann area 2 gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA2_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 2 average thickness (mm)
BA_exvivo_thresh_lh.BA3a_exvivo_SurfArea.mm.2	Left hemisphere Brodmann area 3a surface area (mm ²)
BA_exvivo_thresh_lh.BA3a_exvivo_GrayVol.mm.3	Left hemisphere Brodmann area 3a gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA3a_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 3a average thickness (mm)
BA_exvivo_thresh_lh.BA3b_exvivo_SurfArea.mm.2	Left hemisphere Brodmann area 3b surface area (mm ²)
BA_exvivo_thresh_lh.BA3b_exvivo_GrayVol.mm.3	Left hemisphere Brodmann area 3b gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA3b_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 3b average thickness (mm)
BA_exvivo_thresh_lh.BA4a_exvivo_SurfArea.mm.2	Left hemisphere Brodmann area 4a surface area (mm ²)
BA_exvivo_thresh_lh.BA4a_exvivo_GrayVol.mm.3	Left hemisphere Brodmann area 4a gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA4a_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 4a average thickness (mm)
BA_exvivo_thresh_lh.BA4p_exvivo_SurfArea.mm.2	Left hemisphere Brodmann area 4p surface area (mm ²)

BA_exvivo_thresh_lh.BA4p_exvivo_GrayVol.mm.3	Left hemisphere Brodmann area 4p gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA4p_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 4p average thickness (mm)
BA_exvivo_thresh_lh.BA6_exvivo_SurfArea.m.m.2	Left hemisphere Brodmann area 6 surface area (mm ²)
BA_exvivo_thresh_lh.BA6_exvivo_GrayVol.m.m.3	Left hemisphere Brodmann area 6 gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA6_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 6 average thickness (mm)
BA_exvivo_thresh_lh.BA44_exvivo_SurfArea.mm.2	Left hemisphere Brodmann area 44 surface area (mm ²)
BA_exvivo_thresh_lh.BA44_exvivo_GrayVol.mm.3	Left hemisphere Brodmann area 44 gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA44_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 44 average thickness (mm)
BA_exvivo_thresh_lh.BA45_exvivo_SurfArea.mm.2	Left hemisphere Brodmann area 45 surface area (mm ²)
BA_exvivo_thresh_lh.BA45_exvivo_GrayVol.mm.3	Left hemisphere Brodmann area 45 gray matter volume (mm ³)
BA_exvivo_thresh_lh.BA45_exvivo_ThickAvg.mm	Left hemisphere Brodmann area 45 average thickness (mm)
BA_exvivo_thresh_lh.V1_exvivo_SurfArea.m.m.2	Left hemisphere primary visual cortex surface area (mm ²)
BA_exvivo_thresh_lh.V1_exvivo_GrayVol.mm.3	Left hemisphere primary visual cortex gray matter volume (mm ³)
BA_exvivo_thresh_lh.V1_exvivo_ThickAvg.m.m	Left hemisphere primary visual cortex average thickness (mm)
BA_exvivo_thresh_lh.V2_exvivo_SurfArea.m.m.2	Left hemisphere secondary visual cortex surface area (mm ²)
BA_exvivo_thresh_lh.V2_exvivo_GrayVol.mm.3	Left hemisphere secondary visual cortex gray matter volume (mm ³)
BA_exvivo_thresh_lh.V2_exvivo_ThickAvg.m.m	Left hemisphere secondary visual cortex average thickness (mm)
BA_exvivo_thresh_lh.MT_exvivo_SurfArea.m.m.2	Left hemisphere middle temporal visual area surface area (mm ²)
BA_exvivo_thresh_lh.MT_exvivo_GrayVol.m.m.3	Left hemisphere middle temporal visual area gray matter volume (mm ³)
BA_exvivo_thresh_lh.MT_exvivo_ThickAvg.m.m	Left hemisphere middle temporal visual area average thickness (mm)
BA_exvivo_thresh_lh.perirhinal_exvivo_SurfArea.mm.2	Left hemisphere perirhinal cortex surface area (mm ²)
BA_exvivo_thresh_lh.perirhinal_exvivo_GrayVol.mm.3	Left hemisphere perirhinal cortex gray matter volume (mm ³)
BA_exvivo_thresh_lh.perirhinal_exvivo_ThickAvg.mm	Left hemisphere perirhinal cortex average thickness (mm)

BA_exvivo_thresh_lh.entorhinal_exvivo_SurfArea.mm.2	Left hemisphere entorhinal cortex surface area (mm ²)
BA_exvivo_thresh_lh.entorhinal_exvivo_GrayVol.mm.3	Left hemisphere entorhinal cortex gray matter volume (mm ³)
BA_exvivo_thresh_lh.entorhinal_exvivo_ThickAvg.mm	Left hemisphere entorhinal cortex average thickness (mm)
BA_exvivo_thresh_rh.BA1_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 1 surface area (mm ²)
BA_exvivo_thresh_rh.BA1_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 1 gray matter volume (mm ³)
BA_exvivo_thresh_rh.BA1_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 1 average thickness (mm)
BA_exvivo_thresh_rh.BA2_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 2 surface area (mm ²)
BA_exvivo_thresh_rh.BA2_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 2 gray matter volume (mm ³)
BA_exvivo_thresh_rh.BA2_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 2 average thickness (mm)
BA_exvivo_thresh_rh.BA3a_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 3a surface area (mm ²)
BA_exvivo_thresh_rh.BA3a_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 3a gray matter volume (mm ³)
BA_exvivo_thresh_rh.BA3a_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 3a average thickness (mm)
BA_exvivo_thresh_rh.BA3b_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 3b surface area (mm ²)
BA_exvivo_thresh_rh.BA3b_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 3b gray matter volume (mm ³)
BA_exvivo_thresh_rh.BA3b_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 3b average thickness (mm)
BA_exvivo_thresh_rh.BA4a_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 4a surface area (mm ²)
BA_exvivo_thresh_rh.BA4a_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 4a gray matter volume (mm ³)
BA_exvivo_thresh_rh.BA4a_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 4a average thickness (mm)
BA_exvivo_thresh_rh.BA4p_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 4p surface area (mm ²)
BA_exvivo_thresh_rh.BA4p_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 4p gray matter volume (mm ³)
BA_exvivo_thresh_rh.BA4p_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 4p average thickness (mm)
BA_exvivo_thresh_rh.BA6_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 6 surface area (mm ²)
BA_exvivo_thresh_rh.BA6_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 6 gray matter volume (mm ³)

BA_exvivo_thresh_rh.BA6_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 6 average thickness (mm)
BA_exvivo_thresh_rh.BA44_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 44 surface area (mm ²)
BA_exvivo_thresh_rh.BA44_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 44 gray matter volume (mm ³)
BA_exvivo_thresh_rh.BA44_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 44 average thickness (mm)
BA_exvivo_thresh_rh.BA45_exvivo_SurfArea.mm.2	Right hemisphere Brodmann area 45 surface area (mm ²)
BA_exvivo_thresh_rh.BA45_exvivo_GrayVol.mm.3	Right hemisphere Brodmann area 45 gray matter volume (mm ³)
BA_exvivo_thresh_rh.BA45_exvivo_ThickAvg.mm	Right hemisphere Brodmann area 45 average thickness (mm)
BA_exvivo_thresh_rh.V1_exvivo_SurfArea.mm.2	Right hemisphere primary visual cortex surface area (mm ²)
BA_exvivo_thresh_rh.V1_exvivo_GrayVol.mm.3	Right hemisphere primary visual cortex gray matter volume (mm ³)
BA_exvivo_thresh_rh.V1_exvivo_ThickAvg.mm	Right hemisphere primary visual cortex average thickness (mm)
BA_exvivo_thresh_rh.V2_exvivo_SurfArea.mm.2	Right hemisphere secondary visual cortex surface area (mm ²)
BA_exvivo_thresh_rh.V2_exvivo_GrayVol.mm.3	Right hemisphere secondary visual cortex gray matter volume (mm ³)
BA_exvivo_thresh_rh.V2_exvivo_ThickAvg.mm	Right hemisphere secondary visual cortex average thickness (mm)
BA_exvivo_thresh_rh.MT_exvivo_SurfArea.mm.2	Right hemisphere middle temporal visual area surface area (mm ²)
BA_exvivo_thresh_rh.MT_exvivo_GrayVol.mm.3	Right hemisphere middle temporal visual area gray matter volume (mm ³)
BA_exvivo_thresh_rh.MT_exvivo_ThickAvg.mm	Right hemisphere middle temporal visual area average thickness (mm)
BA_exvivo_thresh_rh.perirhinal_exvivo_SurfArea.mm.2	Right hemisphere perirhinal cortex surface area (mm ²)
BA_exvivo_thresh_rh.perirhinal_exvivo_GrayVol.mm.3	Right hemisphere perirhinal cortex gray matter volume (mm ³)
BA_exvivo_thresh_rh.perirhinal_exvivo_ThickAvg.mm	Right hemisphere perirhinal cortex average thickness (mm)
BA_exvivo_thresh_rh.entorhinal_exvivo_SurfArea.mm.2	Right hemisphere entorhinal cortex surface area (mm ²)
BA_exvivo_thresh_rh.entorhinal_exvivo_GrayVol.mm.3	Right hemisphere entorhinal cortex gray matter volume (mm ³)
BA_exvivo_thresh_rh.entorhinal_exvivo_ThickAvg.mm	Right hemisphere entorhinal cortex average thickness (mm)

amygdalar_nuclei (lh,rh)

This collection holds the volumes of the ROIs in the amygdalar nuclei segmentation (Saygin et al., 2017).

This data comes from mri/amygdalar-nuclei.(hemi).T1.v22.stats as created by the segmentHA_T1.sh script.

<https://surfer.nmr.mgh.harvard.edu/fswiki/HippocampalSubfieldsAndNucleiOfAmygdala>

Variable Name	Description
amygdalar_nuclei_lh.Lateral.nucleus.mm.3	Lateral nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Basal.nucleus.mm.3	Basal nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Accessory.Basal.nucleus.mm.3	Accessory basal nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Anterior.amygdaloid.area.AAA.mm.3	Anterior amygdaloid area nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Central.nucleus.mm.3	Central nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Medial.nucleus.mm.3	Medial nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Cortical.nucleus.mm.3	Cortical nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Corticoamygdaloid.transitiono.mm.3	Cortico-amygdaloid transition area nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Paralaminar.nucleus.mm.3	Paralaminar nucleus of left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_lh.Whole_amygdala.mm.3	Whole left hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Lateral.nucleus.mm.3	Lateral nucleus of right hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Basal.nucleus.mm.3	Basal nucleus of right hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Accessory.Basal.nucleus.mm.3	Accessory basal nucleus of right hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Anterior.amygdaloid.area.AAA.mm.3	Anterior amygdaloid area nucleus of right hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Central.nucleus.mm.3	Central nucleus of right hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Medial.nucleus.mm.3	Medial nucleus of right hemisphere amygdala volume (mm ³)

amygdalar_nuclei_rh.Cortical.nucleus.mm.3	Cortical nucleus of right hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Corticoamygdaloid.transitio.mm.3	Cortico-amygdaloid transition area nucleus of right hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Paralaminar.nucleus.mm.3	Paralaminar nucleus of right hemisphere amygdala volume (mm ³)
amygdalar_nuclei_rh.Whole_amygdala.mm.3	Whole right hemisphere amygdala volume (mm ³)

hipposubfields

This collection holds the volumes of subfields of the hippocampus (Iglesias et al., 2015a).

This data comes from hipposubfields.(hemi).T1.v22.stats as created by the segmentHA_T1.sh script. <https://surfer.nmr.mgh.harvard.edu/fswiki/HippocampalSubfieldsAndNucleiOfAmygdala>

Variable Name	Description
hipposubfields_lh.Hippocampal_tail.mm.3	Left hemisphere hippocampal tail volume (mm ³)
hipposubfields_lh.subiculum.body.mm.3	Left hemisphere subiculum body volume (mm ³)
hipposubfields_lh.CA1.body.mm.3	Left hemisphere CA1 body volume (mm ³)
hipposubfields_lh.subiculum.head.mm.3	Left hemisphere subiculum head volume (mm ³)
hipposubfields_lh.hippocampal.fissure.mm.3	Left hemisphere hippocampal fissure volume (mm ³)
hipposubfields_lh.presubiculum.head.mm.3	Left hemisphere presubiculum head volume (mm ³)
hipposubfields_lh.CA1.head.mm.3	Left hemisphere CA1 head volume (mm ³)
hipposubfields_lh.presubiculum.body.mm.3	Left hemisphere presubiculum body volume (mm ³)
hipposubfields_lh.parasubiculum.mm.3	Left hemisphere parasubiculum volume (mm ³)
hipposubfields_lh.molecular_layer_HP.head.mm.3	Left hemisphere molecular layer of hippocampus head volume (mm ³)
hipposubfields_lh.molecular_layer_HP.body.mm.3	Left hemisphere molecular layer of hippocampus body volume (mm ³)
hipposubfields_lh.GC.ML.DG.head.mm.3	Left hemisphere granule cell and molecular layer of the dentate gyrus head volume (mm ³)
hipposubfields_lh.CA3.body.mm.3	Left hemisphere CA3 body volume (mm ³)
hipposubfields_lh.GC.ML.DG.body.mm.3	Left hemisphere granule cell and molecular layer of the dentate gyrus body volume (mm ³)
hipposubfields_lh.CA4.head.mm.3	Left hemisphere CA4 head volume (mm ³)
hipposubfields_lh.CA4.body.mm.3	Left hemisphere CA4 body volume (mm ³)
hipposubfields_lh.fimbria.mm.3	Left hemisphere fimbria volume (mm ³)
hipposubfields_lh.CA3.head.mm.3	Left hemisphere CA3 head volume (mm ³)
hipposubfields_lh.HATA.mm.3	Left hemisphere hippocampus-amygdala-transition-area volume (mm ³)
hipposubfields_lh.Whole_hippocampal_body.mm.3	Left hemisphere whole hippocampal body volume (mm ³)

hipposubfields_lh.Whole_hippocampal_head.mm.3	Left hemisphere whole hippocampal head volume (mm ³)
hipposubfields_lh.Whole_hippocampus.mm.3	Left hemisphere whole hippocampus volume (mm ³)
hipposubfields_rh.Hippocampal_tail.mm.3	Right hemisphere hippocampal tail volume (mm ³)
hipposubfields_rh.subiculum.body.mm.3	Right hemisphere subiculum body volume (mm ³)
hipposubfields_rh.CA1.body.mm.3	Right hemisphere CA1 body volume (mm ³)
hipposubfields_rh.subiculum.head.mm.3	Right hemisphere subiculum head volume (mm ³)
hipposubfields_rh.hippocampal.fissure.mm.3	Right hemisphere hippocampal fissure volume (mm ³)
hipposubfields_rh.presubiculum.head.mm.3	Right hemisphere presubiculum head volume (mm ³)
hipposubfields_rh.CA1.head.mm.3	Right hemisphere CA1 head volume (mm ³)
hipposubfields_rh.presubiculum.body.mm.3	Right hemisphere presubiculum body volume (mm ³)
hipposubfields_rh.parasubiculum.mm.3	Right hemisphere parasubiculum volume (mm ³)
hipposubfields_rh.molecular_layer_HP.head.mm.3	Right hemisphere molecular layer of hippocampus head volume (mm ³)
hipposubfields_rh.molecular_layer_HP.body.mm.3	Right hemisphere molecular layer of hippocampus body volume (mm ³)
hipposubfields_rh.GC.ML.DG.head.mm.3	Right hemisphere granule cell and molecular layer of the dentate gyrus head volume (mm ³)
hipposubfields_rh.CA3.body.mm.3	Right hemisphere CA3 body volume (mm ³)
hipposubfields_rh.GC.ML.DG.body.mm.3	Right hemisphere granule cell and molecular layer of the dentate gyrus body volume (mm ³)
hipposubfields_rh.CA4.head.mm.3	Right hemisphere CA4 head volume (mm ³)
hipposubfields_rh.CA4.body.mm.3	Right hemisphere CA4 body volume (mm ³)
hipposubfields_rh.fimbria.mm.3	Right hemisphere fimbria volume (mm ³)
hipposubfields_rh.CA3.head.mm.3	Right hemisphere CA3 head volume (mm ³)
hipposubfields_rh.HATA.mm.3	Right hemisphere hippocampus-amygdala-transition-area volume (mm ³)
hipposubfields_rh.Whole_hippocampal_body.mm.3	Right hemisphere whole hippocampal body volume (mm ³)
hipposubfields_rh.Whole_hippocampal_head.mm.3	Right hemisphere whole hippocampal head volume (mm ³)
hipposubfields_rh.Whole_hippocampus.mm.3	Right hemisphere whole hippocampus volume (mm ³)

thalamic_nuclei

This collection holds the volumes of subfields of the hippocampus (Iglesias et al., 2018).

This data comes from thalamic-nuclei.lh.v13.T1.stats created by the segmentThalamicNuclei.sh script.

Variable Name	Description
thalamic_nuclei_lh.AV.mm.3	Left hemisphere anteroventral nucleus volume (mm ³)
thalamic_nuclei_lh.CeM.mm.3	Left hemisphere central medial nucleus volume (mm ³)
thalamic_nuclei_lh.CL.mm.3	Left hemisphere central lateral nucleus volume (mm ³)
thalamic_nuclei_lh.CM.mm.3	Left hemisphere centromedian nucleus volume (mm ³)
thalamic_nuclei_lh.LD.mm.3	Left hemisphere laterodorsal nucleus volume (mm ³)
thalamic_nuclei_lh.LGN.mm.3	Left hemisphere lateral geniculate nucleus volume (mm ³)
thalamic_nuclei_lh.LP.mm.3	Left hemisphere lateral posterior nucleus volume (mm ³)
thalamic_nuclei_lh.L.Sg.mm.3	Left hemisphere nucleus limitans/suprageniculate nucleus volume (mm ³)
thalamic_nuclei_lh.MDI.mm.3	Left hemisphere mediodorsal lateral parvocellular nucleus volume (mm ³)
thalamic_nuclei_lh.MDm.mm.3	Left hemisphere mediodorsal medial magnocellular nucleus volume (mm ³)
thalamic_nuclei_lh.MGN.mm.3	Left hemisphere medial geniculate nucleus volume (mm ³)
thalamic_nuclei_lh.MV.Re..mm.3	Left hemisphere nucleus reuniens/medial ventral nucleus volume (mm ³)
thalamic_nuclei_lh.Pc.mm.3	Left hemisphere paracentral nucleus volume (mm ³)
thalamic_nuclei_lh.Pf.mm.3	Left hemisphere parafascicular nucleus volume (mm ³)
thalamic_nuclei_lh.Pt.mm.3	Left hemisphere paratenial nucleus volume (mm ³)
thalamic_nuclei_lh.PuA.mm.3	Left hemisphere pulvinar anterior nucleus volume (mm ³)
thalamic_nuclei_lh.PuI.mm.3	Left hemisphere pulvinar inferior nucleus volume (mm ³)
thalamic_nuclei_lh.PuL.mm.3	Left hemisphere pulvinar lateral nucleus volume (mm ³)

thalamic_nuclei_lh.PuM.mm.3	Left hemisphere pulvinar medial nucleus volume (mm ³)
thalamic_nuclei_lh.VA.mm.3	Left hemisphere ventral anterior nucleus volume (mm ³)
thalamic_nuclei_lh.VAmc.mm.3	Left hemisphere ventral anterior magnocellular nucleus volume (mm ³)
thalamic_nuclei_lh.VLa.mm.3	Left hemisphere ventral lateral anterior nucleus volume (mm ³)
thalamic_nuclei_lh.VLp.mm.3	Left hemisphere ventral lateral posterior nucleus volume (mm ³)
thalamic_nuclei_lh.VM.mm.3	Left hemisphere ventromedial nucleus volume (mm ³)
thalamic_nuclei_lh.VPL.mm.3	Left hemisphere ventral posterolateral nucleus volume (mm ³)
thalamic_nuclei_lh.Whole_thalamus.mm.3	Left hemisphere whole thalamus volume (mm ³)
thalamic_nuclei_rh.AV.mm.3	Right hemisphere anteroventral nucleus volume (mm ³)
thalamic_nuclei_rh.CeM.mm.3	Right hemisphere central medial nucleus volume (mm ³)
thalamic_nuclei_rh.CL.mm.3	Right hemisphere central lateral nucleus volume (mm ³)
thalamic_nuclei_rh.CM.mm.3	Right hemisphere centromedian nucleus volume (mm ³)
thalamic_nuclei_rh.LD.mm.3	Right hemisphere laterodorsal nucleus volume (mm ³)
thalamic_nuclei_rh.LGN.mm.3	Right hemisphere lateral geniculate nucleus volume (mm ³)
thalamic_nuclei_rh.LP.mm.3	Right hemisphere lateral posterior nucleus volume (mm ³)
thalamic_nuclei_rh.L.Sg.mm.3	Right hemisphere nucleus limitans/suprageniculate nucleus volume (mm ³)
thalamic_nuclei_rh.MDI.mm.3	Right hemisphere mediodorsal lateral parvocellular nucleus volume (mm ³)
thalamic_nuclei_rh.MDm.mm.3	Right hemisphere mediodorsal medial magnocellular nucleus volume (mm ³)
thalamic_nuclei_rh.MGN.mm.3	Right hemisphere medial geniculate nucleus volume (mm ³)
thalamic_nuclei_rh.MV.Re..mm.3	Right hemisphere nucleus reuniens/medial ventral nucleus volume (mm ³)
thalamic_nuclei_rh.Pc.mm.3	Right hemisphere paracentral nucleus volume (mm ³)
thalamic_nuclei_rh.Pf.mm.3	Right hemisphere parafascicular nucleus volume (mm ³)
thalamic_nuclei_rh.Pt.mm.3	Right hemisphere paratenial nucleus volume (mm ³)

thalamic_nuclei_rh.PuA.mm.3	Right hemisphere pulvinar anterior nucleus volume (mm ³)
thalamic_nuclei_rh.PuI.mm.3	Right hemisphere pulvinar inferior nucleus volume (mm ³)
thalamic_nuclei_rh.PuL.mm.3	Right hemisphere pulvinar lateral nucleus volume (mm ³)
thalamic_nuclei_rh.PuM.mm.3	Right hemisphere pulvinar medial nucleus volume (mm ³)
thalamic_nuclei_rh.VA.mm.3	Right hemisphere ventral anterior nucleus volume (mm ³)
thalamic_nuclei_rh.VAmc.mm.3	Right hemisphere ventral anterior magnocellular nucleus volume (mm ³)
thalamic_nuclei_rh.VLa.mm.3	Right hemisphere ventral lateral anterior nucleus volume (mm ³)
thalamic_nuclei_rh.VLp.mm.3	Right hemisphere ventral lateral posterior nucleus volume (mm ³)
thalamic_nuclei_rh.VM.mm.3	Right hemisphere ventromedial nucleus volume (mm ³)
thalamic_nuclei_rh.VPL.mm.3	Right hemisphere ventral posterolateral nucleus volume (mm ³)
thalamic_nuclei_rh.Whole_thalamus.mm.3	Right hemisphere whole thalamus volume (mm ³)

w_g_pct

This collection is the percent white/gray contrast in cortical ROIs (created by pctxsurfcon in recon-all, Salat et al., 2009b). The cortical ROIs are identical to that in the aparc collection.

The white/gray contrast is computed at each vertex on the cortical surface as $100 * (W - G) / ((W + G) / 2)$, where W is the intensity of the WM 1mm into the WM from the white surface and G is the intensity of GM in the middle of the cortical ribbon. This value is then averaged within each ROI in the aparc.

Variable Name	Description
w_g_pct_lh.bankssts_Mean.percentage	Left hemisphere banks of superior temporal sulcus white/gray contrast mean percentage
w_g_pct_lh.caudalanteriorcingulate_Mean.percentage	Left hemisphere caudal anterior cingulate cortex white/gray contrast mean percentage
w_g_pct_lh.caudalmiddlefrontal_Mean.percentage	Left hemisphere caudal middle frontal gyrus white/gray contrast mean percentage
w_g_pct_lh.cuneus_Mean.percentage	Left hemisphere cuneus cortex white/gray contrast mean percentage
w_g_pct_lh.entorhinal_Mean.percentage	Left hemisphere entorhinal cortex white/gray contrast mean percentage
w_g_pct_lh.fusiform_Mean.percentage	Left hemisphere fusiform gyrus white/gray contrast mean percentage
w_g_pct_lh.inferiorparietal_Mean.percentage	Left hemisphere inferior parietal cortex white/gray contrast mean percentage
w_g_pct_lh.inferiortemporal_Mean.percentage	Left hemisphere inferior temporal gyrus white/gray contrast mean percentage
w_g_pct_lh.isthmuscingulate_Mean.percentage	Left hemisphere isthmus-cingulate cortex white/gray contrast mean percentage
w_g_pct_lh.lateraloccipital_Mean.percentage	Left hemisphere lateral occipital cortex white/gray contrast mean percentage
w_g_pct_lh.lateralorbitofrontal_Mean.percentage	Left hemisphere lateral orbitofrontal cortex white/gray contrast mean percentage
w_g_pct_lh.lingual_Mean.percentage	Left hemisphere lingual gyrus white/gray contrast mean percentage
w_g_pct_lh.medialorbitofrontal_Mean.percentage	Left hemisphere medial orbitofrontal cortex white/gray contrast mean percentage
w_g_pct_lh.middletemporal_Mean.percentage	Left hemisphere middle temporal gyrus white/gray contrast mean percentage
w_g_pct_lh.parahippocampal_Mean.percentage	Left hemisphere parahippocampal gyrus white/gray contrast mean percentage
w_g_pct_lh.paracentral_Mean.percentage	Left hemisphere paracentral lobule white/gray contrast mean percentage

w_g_pct_lh.parsopercularis_Mean.percentage	Left hemisphere pars opercularis white/gray contrast mean percentage
w_g_pct_lh.parsorbitalis_Mean.percentage	Left hemisphere pars orbitalis white/gray contrast mean percentage
w_g_pct_lh.parstriangularis_Mean.percentage	Left hemisphere pars triangularis white/gray contrast mean percentage
w_g_pct_lh.pericalcarine_Mean.percentage	Left hemisphere pericalcarine cortex white/gray contrast mean percentage
w_g_pct_lh.postcentral_Mean.percentage	Left hemisphere postcentral gyrus white/gray contrast mean percentage
w_g_pct_lh.posteriorcingulate_Mean.percentage	Left hemisphere posterior-cingulate cortex white/gray contrast mean percentage
w_g_pct_lh.precentral_Mean.percentage	Left hemisphere precentral gyrus white/gray contrast mean percentage
w_g_pct_lh.precuneus_Mean.percentage	Left hemisphere precuneus cortex white/gray contrast mean percentage
w_g_pct_lh.rostralanteriorcingulate_Mean.percentage	Left hemisphere rostral anterior cingulate cortex white/gray contrast mean percentage
w_g_pct_lh.rostralmiddlefrontal_Mean.percentage	Left hemisphere rostral middle frontal gyrus white/gray contrast mean percentage
w_g_pct_lh.superiorfrontal_Mean.percentage	Left hemisphere superior frontal gyrus white/gray contrast mean percentage
w_g_pct_lh.superiorparietal_Mean.percentage	Left hemisphere superior parietal cortex white/gray contrast mean percentage
w_g_pct_lh.superiortemporal_Mean.percentage	Left hemisphere superior temporal gyrus white/gray contrast mean percentage
w_g_pct_lh.supramarginal_Mean.percentage	Left hemisphere supramarginal gyrus white/gray contrast mean percentage
w_g_pct_lh.frontalpole_Mean.percentage	Left hemisphere frontal pole white/gray contrast mean percentage
w_g_pct_lh.temporalpole_Mean.percentage	Left hemisphere temporal pole white/gray contrast mean percentage
w_g_pct_lh.transversetemporal_Mean.percentage	Left hemisphere transverse temporal cortex white/gray contrast mean percentage
w_g_pct_lh.insula_Mean.percentage	Left hemisphere insular cortex white/gray contrast mean percentage
w_g_pct_rh.bankssts_Mean.percentage	Right hemisphere banks of superior temporal sulcus white/gray contrast mean percentage
w_g_pct_rh.caudalanteriorcingulate_Mean.percentage	Right hemisphere caudal anterior cingulate cortex white/gray contrast mean percentage
w_g_pct_rh.caudalmiddlefrontal_Mean.percentage	Right hemisphere caudal middle frontal gyrus white/gray contrast mean percentage
w_g_pct_rh.cuneus_Mean.percentage	Right hemisphere cuneus cortex white/gray contrast mean percentage
w_g_pct_rh.entorhinal_Mean.percentage	Right hemisphere entorhinal cortex white/gray contrast mean percentage

w_g_pct_rh.fusiform_Mean.percentage	Right hemisphere fusiform gyrus white/gray contrast mean percentage
w_g_pct_rh.inferiorparietal_Mean.percentage	Right hemisphere inferior parietal cortex white/gray contrast mean percentage
w_g_pct_rh.inferiortemporal_Mean.percentage	Right hemisphere inferior temporal gyrus white/gray contrast mean percentage
w_g_pct_rh.isthmuscingulate_Mean.percentage	Right hemisphere isthmus-cingulate cortex white/gray contrast mean percentage
w_g_pct_rh.lateraloccipital_Mean.percentage	Right hemisphere lateral occipital cortex white/gray contrast mean percentage
w_g_pct_rh.lateralorbitofrontal_Mean.percentage	Right hemisphere lateral orbitofrontal cortex white/gray contrast mean percentage
w_g_pct_rh.lingual_Mean.percentage	Right hemisphere lingual gyrus white/gray contrast mean percentage
w_g_pct_rh.medialorbitofrontal_Mean.percentage	Right hemisphere medial orbitofrontal cortex white/gray contrast mean percentage
w_g_pct_rh.middletemporal_Mean.percentage	Right hemisphere middle temporal gyrus white/gray contrast mean percentage
w_g_pct_rh.parahippocampal_Mean.percentage	Right hemisphere parahippocampal gyrus white/gray contrast mean percentage
w_g_pct_rh.paracentral_Mean.percentage	Right hemisphere paracentral lobule white/gray contrast mean percentage
w_g_pct_rh.parsopercularis_Mean.percentage	Right hemisphere pars opercularis white/gray contrast mean percentage
w_g_pct_rh.parsorbitalis_Mean.percentage	Right hemisphere pars orbitalis white/gray contrast mean percentage
w_g_pct_rh.parsstriangularis_Mean.percentage	Right hemisphere pars triangularis white/gray contrast mean percentage
w_g_pct_rh.pericalcarine_Mean.percentage	Right hemisphere pericalcarine cortex white/gray contrast mean percentage
w_g_pct_rh.postcentral_Mean.percentage	Right hemisphere postcentral gyrus white/gray contrast mean percentage
w_g_pct_rh.posteriorcingulate_Mean.percentage	Right hemisphere posterior-cingulate cortex white/gray contrast mean percentage
w_g_pct_rh.precentral_Mean.percentage	Right hemisphere precentral gyrus white/gray contrast mean percentage
w_g_pct_rh.precuneus_Mean.percentage	Right hemisphere precuneus cortex white/gray contrast mean percentage
w_g_pct_rh.rostralanteriorcingulate_Mean.percentage	Right hemisphere rostral anterior cingulate cortex white/gray contrast mean percentage
w_g_pct_rh.rostralmiddlefrontal_Mean.percentage	Right hemisphere rostral middle frontal gyrus white/gray contrast mean percentage
w_g_pct_rh.superiorfrontal_Mean.percentage	Right hemisphere superior frontal gyrus white/gray contrast mean percentage
w_g_pct_rh.superiorparietal_Mean.percentage	Right hemisphere superior parietal cortex white/gray contrast mean percentage

w_g_pct_rh.superiortemporal_Mean.percentage	Right hemisphere superior temporal gyrus white/gray contrast mean percentage
w_g_pct_rh.supramarginal_Mean.percentage	Right hemisphere supramarginal gyrus white/gray contrast mean percentage
w_g_pct_rh.frontalpole_Mean.percentage	Right hemisphere frontal pole white/gray contrast mean percentage
w_g_pct_rh.temporalpole_Mean.percentage	Right hemisphere temporal pole white/gray contrast mean percentage
w_g_pct_rh.transversetemporal_Mean.percentage	Right hemisphere transverse temporal cortex white/gray contrast mean percentage
w_g_pct_rh.insula_Mean.percentage	Right hemisphere insular cortex white/gray contrast mean percentage

brainstem

This collection holds the volumes of the segmentation of the brainstem into medulla, pons, midbrain, and superior cerebellar peduncle (SCP) Iglesias et al., 2015b.

This data comes from brainstem.v13.stats as created by the segmentBS.sh script.

Variable Name	Description
brainstem.Medulla.mm.3	Medulla volume (mm ³)
brainstem.Pons.mm.3	Pons volume (mm ³)
brainstem.SCP.mm.3	SCP volume (mm ³)
brainstem.Midbrain.mm.3	Midbrain volume (mm ³)
brainstem.Whole_brainstem.mm.3	Whole brainstem volume (mm ³)

sclimbic

This collection reports on the volume of some subcortical limbic structures using a deep learning segmentation method (Greve et al., 2021).

See also <https://surfer.nmr.mgh.harvard.edu/fswiki/ScLimbic>

Variable Name	Description
sclimbic.Left.Nucleus.Accumbens.mm.3	Left nucleus accumbens volume (mm ³)
sclimbic.Right.Nucleus.Accumbens.mm.3	Right nucleus accumbens volume (mm ³)
sclimbic.Left.HypoThal.noMB.mm.3	Left hypothalamus without mamillary bodies volume (mm ³)
sclimbic.Right.HypoThal.noMB.mm.3	Right hypothalamus without mamillary bodies volume (mm ³)
sclimbic.Left.Fornix.mm.3	Left fornix volume (mm ³)
sclimbic.Right.Fornix.mm.3	Right fornix volume (mm ³)
sclimbic.Left.MammillaryBody.mm.3	Left mamillary bodies volume (mm ³)
sclimbic.Right.MammillaryBody.mm.3	Right mamillary bodies volume (mm ³)
sclimbic.Left.Basal.Forebrain.mm.3	Left basal forebrain volume (mm ³)
sclimbic.Right.Basal.Forebrain.mm.3	Right basal forebrain volume (mm ³)
sclimbic.Left.SeptalNuc.mm.3	Left septal nuclei volume (mm ³)
sclimbic.Right.SeptalNuc.mm.3	Right septal nuclei volume (mm ³)

wmparc

This collection comes from a segmentation of WM.

For each ROI in the aparc, the WM voxels closest to the given aparc ROI are assigned to a label associated with that ROI as long as the voxel is within 5mm of cortex (see Salat et al., 2009a).

This segments WM strictly by proximity to cortex. This collection reports on the volume of each ROI.

Variable Name	Description
wmparc.wm.lh.bankssts_Volume.mm.3	Left hemisphere banks of superior temporal sulcus white matter volume (mm ³)
wmparc.wm.lh.caudalanteriorcingulate_Volume.mm.3	Left hemisphere caudal anterior cingulate cortex white matter volume (mm ³)
wmparc.wm.lh.caudalmiddlefrontal_Volume.mm.3	Left hemisphere caudal middle frontal gyrus white matter volume (mm ³)
wmparc.wm.lh.cuneus_Volume.mm.3	Left hemisphere cuneus cortex white matter volume (mm ³)
wmparc.wm.lh.entorhinal_Volume.mm.3	Left hemisphere entorhinal cortex white matter volume (mm ³)
wmparc.wm.lh.fusiform_Volume.mm.3	Left hemisphere fusiform gyrus white matter volume (mm ³)
wmparc.wm.lh.inferiorparietal_Volume.mm.3	Left hemisphere inferior parietal cortex white matter volume (mm ³)
wmparc.wm.lh.inferiortemporal_Volume.mm.3	Left hemisphere inferior temporal gyrus white matter volume (mm ³)
wmparc.wm.lh.isthmuscingulate_Volume.mm.3	Left hemisphere isthmus-cingulate cortex white matter volume (mm ³)
wmparc.wm.lh.lateraloccipital_Volume.mm.3	Left hemisphere lateral occipital cortex white matter volume (mm ³)
wmparc.wm.lh.lateralorbitofrontal_Volume.mm.3	Left hemisphere lateral orbitofrontal cortex white matter volume (mm ³)
wmparc.wm.lh.lingual_Volume.mm.3	Left hemisphere lingual gyrus white matter volume (mm ³)
wmparc.wm.lh.medialorbitofrontal_Volume.mm.3	Left hemisphere medial orbitofrontal cortex white matter volume (mm ³)
wmparc.wm.lh.middletemporal_Volume.mm.3	Left hemisphere middle temporal gyrus white matter volume (mm ³)
wmparc.wm.lh.parahippocampal_Volume.mm.3	Left hemisphere parahippocampal gyrus white matter volume (mm ³)
wmparc.wm.lh.paracentral_Volume.mm.3	Left hemisphere paracentral lobule white matter volume (mm ³)

wmparc.wm.lh.parsopercularis_Volume.mm.3	Left hemisphere pars opercularis white matter volume (mm ³)
wmparc.wm.lh.parsorbitalis_Volume.mm.3	Left hemisphere pars orbitalis white matter volume (mm ³)
wmparc.wm.lh.parstriangularis_Volume.mm.3	Left hemisphere pars triangularis white matter volume (mm ³)
wmparc.wm.lh.pericalcarine_Volume.mm.3	Left hemisphere pericalcarine cortex white matter volume (mm ³)
wmparc.wm.lh.postcentral_Volume.mm.3	Left hemisphere postcentral gyrus white matter volume (mm ³)
wmparc.wm.lh.posteriorcingulate_Volume.mm.3	Left hemisphere posterior-cingulate cortex white matter volume (mm ³)
wmparc.wm.lh.precentral_Volume.mm.3	Left hemisphere precentral gyrus white matter volume (mm ³)
wmparc.wm.lh.precuneus_Volume.mm.3	Left hemisphere precuneus cortex white matter volume (mm ³)
wmparc.wm.lh.rostralanteriorcingulate_Volume.mm.3	Left hemisphere rostral anterior cingulate cortex white matter volume (mm ³)
wmparc.wm.lh.rostralmiddlefrontal_Volume.mm.3	Left hemisphere rostral middle frontal gyrus white matter volume (mm ³)
wmparc.wm.lh.superiorfrontal_Volume.mm.3	Left hemisphere superior frontal gyrus white matter volume (mm ³)
wmparc.wm.lh.superiorparietal_Volume.mm.3	Left hemisphere superior parietal cortex white matter volume (mm ³)
wmparc.wm.lh.superiortemporal_Volume.mm.3	Left hemisphere superior temporal gyrus white matter volume (mm ³)
wmparc.wm.lh.supramarginal_Volume.mm.3	Left hemisphere supramarginal gyrus white matter volume (mm ³)
wmparc.wm.lh.frontalpole_Volume.mm.3	Left hemisphere frontal pole white matter volume (mm ³)
wmparc.wm.lh.temporalpole_Volume.mm.3	Left hemisphere temporal pole white matter volume (mm ³)
wmparc.wm.lh.transversetemporal_Volume.mm.3	Left hemisphere transverse temporal cortex white matter volume (mm ³)
wmparc.wm.lh.insula_Volume.mm.3	Left hemisphere insular cortex white matter volume (mm ³)
wmparc.wm.rh.bankssts_Volume.mm.3	Right hemisphere banks of superior temporal sulcus white matter volume (mm ³)
wmparc.wm.rh.caudalanteriorcingulate_Volume.mm.3	Right hemisphere caudal anterior cingulate cortex white matter volume (mm ³)
wmparc.wm.rh.caudalmiddlefrontal_Volume.mm.3	Right hemisphere caudal middle frontal gyrus white matter volume (mm ³)
wmparc.wm.rh.cuneus_Volume.mm.3	Right hemisphere cuneus cortex white matter volume (mm ³)

wmparc.wm.rh.entorhinal_Volume.mm.3	Right hemisphere entorhinal cortex white matter volume (mm ³)
wmparc.wm.rh.fusiform_Volume.mm.3	Right hemisphere fusiform gyrus white matter volume (mm ³)
wmparc.wm.rh.inferiorparietal_Volume.mm.3	Right hemisphere inferior parietal cortex white matter volume (mm ³)
wmparc.wm.rh.inferiortemporal_Volume.mm.3	Right hemisphere inferior temporal gyrus white matter volume (mm ³)
wmparc.wm.rh.isthmuscingulate_Volume.mm.3	Right hemisphere isthmus-cingulate cortex white matter volume (mm ³)
wmparc.wm.rh.lateraloccipital_Volume.mm.3	Right hemisphere lateral occipital cortex white matter volume (mm ³)
wmparc.wm.rh.lateralorbitofrontal_Volume.mm.3	Right hemisphere lateral orbitofrontal cortex white matter volume (mm ³)
wmparc.wm.rh.lingual_Volume.mm.3	Right hemisphere lingual gyrus white matter volume (mm ³)
wmparc.wm.rh.medialorbitofrontal_Volume.mm.3	Right hemisphere medial orbitofrontal cortex white matter volume (mm ³)
wmparc.wm.rh.middletemporal_Volume.mm.3	Right hemisphere middle temporal gyrus white matter volume (mm ³)
wmparc.wm.rh.parahippocampal_Volume.mm.3	Right hemisphere parahippocampal gyrus white matter volume (mm ³)
wmparc.wm.rh.paracentral_Volume.mm.3	Right hemisphere paracentral lobule white matter volume (mm ³)
wmparc.wm.rh.parsopercularis_Volume.mm.3	Right hemisphere pars opercularis white matter volume (mm ³)
wmparc.wm.rh.parsorbitalis_Volume.mm.3	Right hemisphere pars orbitalis white matter volume (mm ³)
wmparc.wm.rh.parsstriangularis_Volume.mm.3	Right hemisphere pars triangularis white matter volume (mm ³)
wmparc.wm.rh.pericalcarine_Volume.mm.3	Right hemisphere pericalcarine cortex white matter volume (mm ³)
wmparc.wm.rh.postcentral_Volume.mm.3	Right hemisphere postcentral gyrus white matter volume (mm ³)
wmparc.wm.rh.posteriorcingulate_Volume.mm.3	Right hemisphere posterior-cingulate cortex white matter volume (mm ³)
wmparc.wm.rh.precentral_Volume.mm.3	Right hemisphere precentral gyrus white matter volume (mm ³)
wmparc.wm.rh.precuneus_Volume.mm.3	Right hemisphere precuneus cortex white matter volume (mm ³)
wmparc.wm.rh.rostralanteriorcingulate_Volume.mm.3	Right hemisphere rostral anterior cingulate cortex white matter volume (mm ³)
wmparc.wm.rh.rostralmiddlefrontal_Volume.mm.3	Right hemisphere rostral middle frontal gyrus white matter volume (mm ³)
wmparc.wm.rh.superiorfrontal_Volume.mm.3	Right hemisphere superior frontal gyrus white matter volume (mm ³)

wmparc.wm.rh.superiorparietal_Volume.mm.3	Right hemisphere superior parietal cortex white matter volume (mm ³)
wmparc.wm.rh.superiortemporal_Volume.mm.3	Right hemisphere superior temporal gyrus white matter volume (mm ³)
wmparc.wm.rh.supramarginal_Volume.mm.3	Right hemisphere supramarginal gyrus white matter volume (mm ³)
wmparc.wm.rh.frontalpole_Volume.mm.3	Right hemisphere frontal pole white matter volume (mm ³)
wmparc.wm.rh.temporalpole_Volume.mm.3	Right hemisphere temporal pole white matter volume (mm ³)
wmparc.wm.rh.transversetemporal_Volume.mm.3	Right hemisphere transverse temporal cortex white matter volume (mm ³)
wmparc.wm.rh.insula_Volume.mm.3	Right hemisphere insular cortex white matter volume (mm ³)
wmparc.Left.UnsegmentedWhiteMatter_Volume.mm.3	Whole left hemisphere unsegmented white matter volume (mm ³)
wmparc.Right.UnsegmentedWhiteMatter_Volume.mm.3	Whole right hemisphere unsegmented white matter volume (mm ³)

hypothalamic_subunits

This collection reports on the volume of subunits of the hypothalamus using a deep learning segmentation method (Billot et al., 2020).

<https://surfer.nmr.mgh.harvard.edu/fswiki/HypothalamicSubunits>

Variable Name	Description
hypothalamic_subunits.Left.Anterior.Inferior.mm.3	Left anterior-inferior hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Left.Anterior.Superior.mm.3	Left anterior-superior hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Left.Posterior.mm.3	Left posterior hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Left.Tubular.Inferior.mm.3	Left inferior tubular hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Left.Tubular.Superior.mm.3	Left superior tubular hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Right.Anterior.Inferior.mm.3	Right anterior-inferior hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Right.Anterior.Superior.mm.3	Right anterior-superior hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Right.Posterior.mm.3	Right posterior hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Right.Tubular.Inferior.mm.3	Right inferior tubular hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Right.Tubular.Superior.mm.3	Right superior tubular hypothalamic subunit volume (mm ³)
hypothalamic_subunits.Whole.Left.mm.3	Whole left hypothalamus volume (mm ³)
hypothalamic_subunits.Whole.Right.mm.3	Whole right hypothalamus volume (mm ³)

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