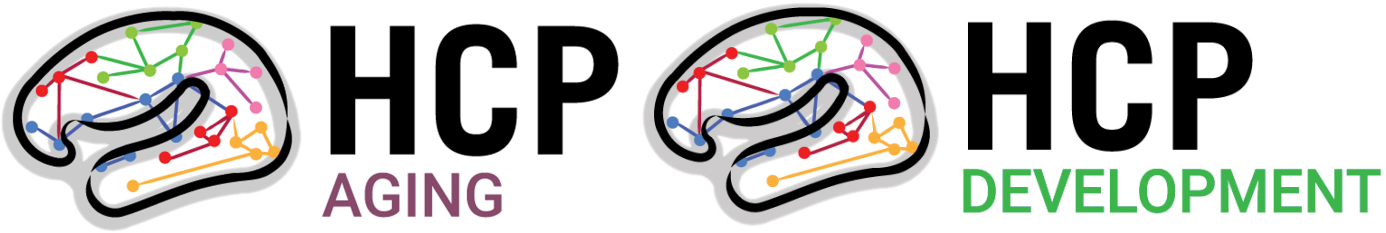

Lifespan HCP 1.0 Data Release: Reference Manual

Appendix – File Names and Directory Structure for HCP Aging and HCP Development Data

21 May 2019

Table of Contents

Introduction

This document lists all file names, directories, and subdirectories obtained when downloading available demographic, unprocessed, and structural preprocessed imaging data from an exemplar HCP Aging (HCA) and an exemplar HCP Development (HCD) subject from the Lifespan HCP Release 1.0 from the NIMH Data Archive. There are some differences in the data collected for each project so there are some differences in the files available for each.

The user may choose to download the MRI unprocessed data, preprocessed structural data, or both (and the corresponding demographic data) by creating your own custom package or by selecting prepackaged data. The prepackaged data are available as shared packages on your NDA Packages Dashboard:

Shared Package	Contents
HCPA	basic demographic and unprocessed image data (all modalities) for 689 subjects preprocessed structural MRI with MSM-Sulc registration for 128 subjects
HCPUnrelated	unprocessed image data (all modalities) for 656 unrelated HCP-A subjects preprocessed structural MRI with MSM-Sulc registration for 128 subjects
HCPAPreprocessed	preprocessed structural MRI with MSM-Sulc registration for 128 subjects (unrelated)
HCPAUnprocessed	unprocessed image data (all modalities) for 689 subjects
HCPD	basic demographic and unprocessed image data (all modalities) for 655 subjects preprocessed structural MRI with MSM-Sulc registration for 84 subjects
HCPDUnrelated	unprocessed image data (all modalities) for 545 unrelated HCP-D subjects preprocessed structural MRI with MSM-Sulc registration for 84 subjects
HCPDPreprocessed	preprocessed structural MRI with MSM-Sulc registration for 84subjects (unrelated)
HCPDUnprocessed	unprocessed image data (all modalities) for 655 subjects

To select a prepackaged dataset for download, select “Associate to my account” in the actions column for that dataset. This process may take a few minutes.

Click the Download Manager button to download the .jnlp Java launch file for the NDA Download manager. On Mac OS, you may need to set your System Preferences, Security & Privacy settings to allow the file to open. Follow prompts and set the Save to: directory where you want to download the data. When the package shows “Ready to download” check the checkbox next to the package name and click the “Start Download” button.

If you create your own package using filters under Option 2 on the Lifespan HCP featured datasets page, you will need to select Package/Add to Study, then Create Package. NDA will ask you to set a package name, be sure to click the checkbox to include associated files, and then you will need to wait for a package to be created. Check your NDA Packages Dashboard

page (click your username at the top right, then Packages) with “My Packages” selected in the dropdown on the left which will show if your package is still being created or is ready to download. Click the Download Manager button to download and launch the NDA Download Manager. Proceed as described above to download your package.

The package will download to the Save To: location on your file system with the top directory name matching the package name (<YourPkgName>, or, e.g., HCPAUnprocessed).

If your package contains Minimally Preprocessed Image Data, Unprocessed Image Data, and Basic Demographic Data, the high-level <YourPkgName> directory will contain:

<YourPkgName>/

edinburgh_hand01.txt	Edinburgh Handedness data for package subjects
experiments/	tfMRI and rsfMRI stimuli info and block design
fmriresults01/	Preprocessed data (currently only Structural MRI)
fmriresults01.txt	Info on preprocessing pipelines run (per subject)
imagingcollection01/	Unprocessed data
imagingcollection01.txt	Listing of per subject data (by modality) in collection
md5_values.txt	md5 checksums for download verification
ndar_subject01.txt	Basic demographics, family ID, and collection site
package_info.txt	Info on NDA filters used to create package
README.pdf	automatic README from NDA

We are using the NDA data structures **fmriresults01** and **imagingcollection01** and manifest files (described below) to organize the preprocessed and unprocessed, respectively, per subject Lifespan data into the same directory structure as that of previously released HCP Young Adult data, so that it is compatible with the expected inputs and outputs of processing through the HCP Pipelines.

The **fmriresults01/** directory contains the preprocessed data, currently structural preprocessing outputs only, for the subjects available.

The **imagingcollection01/** directory contains unprocessed data of all modalities

Under these two directories, are high level <SubjectID_V1_MR>, directories (e.g., HCA7226566_V1_MR or HCD2256651_V1_MR, as exemplified in the HCPA and HCPD sections below) and a manifests directory.

Manifests are JSON files (*.json) that organize related data (e.g. unprocessed REST1 data) into a structured set of files to be downloaded according to the directory structure specified. In this case, we have used the manifests to organize the data into per subject, unprocessed and processed “packages” as we did for the HCP Young Adult Study, that then download in the directory structure output by and required for input to the HCP pipelines.

Section A: HCP Aging Unprocessed MR Data Directory Structure

Unprocessed data for each HCP Aging (HCA) subject is in the <Packagename>/**imagingcollection01/<SubjectID_V1_MR>/unprocessed/** directory:

<SubjectID_V1_MR>/ (e.g., **HCA7226566_V1_MR/**)

unprocessed/

The V1_MR in the SubjectID signifies that these are MR data collected in Visit 1. In future releases, Visit 2 data will be available for some subjects.

JSON files (*.json) with the same name as corresponding NIFTI images contain scan level meta data pulled from the DICOM header.

Unprocessed data for exemplar subject HCA6018857_V1_MR has the following directory structure:

HCA7226566_V1_MR/unprocessed/
- **Diffusion/**
- **T1w_MPR1_vNav_4e_RMS/**
- **T2w_SPC_vNav/**
- **mbPCASLhr/**
- **TSE_HiResHp/**
- **rfMRI_REST1_AP/**
- **rfMRI_REST1_PA/**
- **rfMRI_REST2_AP/**
- **rfMRI_REST2_PA/**
- **tfMRI_CARIT_PA/**
- **tfMRI_FACENAME_PA/**
- **tfMRI_VISMOTOR_PA/**

Diffusion Data

HCA7226566_V1_MR/unprocessed/Diffusion/
- HCA7226566_V1_MR_dMRI_dir98_AP_SBRef.json
- HCA7226566_V1_MR_dMRI_dir98_AP_SBRef.nii.gz
- HCA7226566_V1_MR_dMRI_dir98_AP.bval
- HCA7226566_V1_MR_dMRI_dir98_AP.bvec

HCA7226566_V1_MR_dMRI_dir98_AP.json
HCA7226566_V1_MR_dMRI_dir98_AP.nii.gz
HCA7226566_V1_MR_dMRI_dir98_PA_SBRef.json
HCA7226566_V1_MR_dMRI_dir98_PA_SBRef.nii.gz
HCA7226566_V1_MR_dMRI_dir98_PA.bval
HCA7226566_V1_MR_dMRI_dir98_PA.bvec
HCA7226566_V1_MR_dMRI_dir98_PA.json
HCA7226566_V1_MR_dMRI_dir98_PA.nii.gz
HCA7226566_V1_MR_dMRI_dir99_AP_SBRef.json
HCA7226566_V1_MR_dMRI_dir99_AP_SBRef.nii.gz
HCA7226566_V1_MR_dMRI_dir99_AP.bval
HCA7226566_V1_MR_dMRI_dir99_AP.bvec
HCA7226566_V1_MR_dMRI_dir99_AP.json
HCA7226566_V1_MR_dMRI_dir99_AP.nii.gz
HCA7226566_V1_MR_dMRI_dir99_PA_SBRef.json
HCA7226566_V1_MR_dMRI_dir99_PA_SBRef.nii.gz
HCA7226566_V1_MR_dMRI_dir99_PA.bval
HCA7226566_V1_MR_dMRI_dir99_PA.bvec
HCA7226566_V1_MR_dMRI_dir99_PA.json
HCA7226566_V1_MR_dMRI_dir99_PA.nii.gz

OTHER_FILES/

HCA7226566_V1_MR_SpinEchoFieldMap4_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap4_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap4_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap4_PA.nii.gz

Structural Data

HCA7226566_V1_MR/unprocessed/T1w_MPR_vNav_4e_RMS

Multi-echo MPRAGE with volumetric navigators

HCA7226566_V1_MR_SpinEchoFieldMap1_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.nii.gz
HCA7226566_V1_MR_T1w_MPR_vNav_4e_RMS.json
HCA7226566_V1_MR_T1w_MPR_vNav_4e_RMS.nii.gz

RMS average of 4 echoes. Individual echoes in Other_Files/

OTHER_FILES/

HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_4e_e1.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_4e_e1.nii.gz
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_4e_e2.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_4e_e2.nii.gz

HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_4e_e3.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_4e_e3.nii.gz
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_4e_e4.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_4e_e4.nii.gz
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_e1.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_e1.nii.gz
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_e2.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_e2.nii.gz
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_e3.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_e3.nii.gz
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_e4.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_e4.nii.gz
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_RMS.json
HCA7226566_V1_MR_rfMRI_T1w_MPR_vNav_Norm_4e_RMS.nii.gz
HCA7226566_V1_MR_T1w_setter.json
HCA7226566_V1_MR_T1w_setter.nii.gz
session_report.csv

Individual echoes with pre-scan Normalize on

RMS Average of echoes with pre-scan Normalize on

Setter scans write parameters for volumetric navigators for T1w scan.

Summary report of all scans over the subject's 2 day data collection (usability, shim group, phase encoding direction, completeness).

HCA7226566_V1_MR/unprocessed/T2w_SPC_vNav

HCA7226566_V1_MR_SpinEchoFieldMap1_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.nii.gz
HCA7226566_V1_MR_T2w_SPC_vNav.json
HCA7226566_V1_ MR_T2w_SPC_vNav.nii.gz
OTHER_FILES/
HCA7226566_V1_MR_T2w_setter.json
HCA7226566_V1_MR_T2w_setter.nii.gz
HCA7226566_V1_MR_T2w_SPC_vNav_Norm.json
HCA7226566_V1_ MR_T2w_SPC_vNav_Norm.nii.gz

Variable-flip-angle turbo-spin-echo SPACE with volumetric navigators

Setter scans write parameters for volumetric navigators for T2w scan.

T2w scan with pre-scan Normalize on

HCA7226566_V1_MR/unprocessed/TSE_HiResHp

HCA7226566_V1_MR_SpinEchoFieldMap1_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.nii.gz
HCA7226566_V1_MR_TSE_HiResHp.json
HCA7226566_V1_ MR_TSE_HiResHp.nii.gz

T2w, turbo-spin-echo high resolution scan for identification of hippocampal and amygdalar subregions

OTHER_FILES/
HCA7226566_V1_MR_TSE_HiResHp_Norm.json
HCA7226566_V1_ MR_TSE_HiResHp_Norm.nii.gz

HiResHp scan with pre-scan Normalize on

Arterial Spin Labeling Data

HCA7226566_V1_MR/unprocessed/mbPCASLhr/
HCA7226566_V1_MR_mbPCASLhr_PA.json
HCA7226566_V1_MR_mbPCASLhr_PA.nii.gz
HCA7226566_V1_MR_PCASLhr_SpinEchoFieldMap_AP.json
HCA7226566_V1_MR_PCASLhr_SpinEchoFieldMap_AP.nii.gz
HCA7226566_V1_MR_PCASLhr_SpinEchoFieldMap_PA.json
HCA7226566_V1_MR_PCASLhr_SpinEchoFieldMap_PA.nii.gz
LINKED_DATA/
PSYCHOPY/
mbPCASL_HCA7226566_V1_B_run1_design.csv

Multiband Pseudo-continuous arterial spin labeling with high spatial resolution

Resting State rfMRI Data

HCA7226566_V1_MR/unprocessed/rfMRI_REST1_AP
HCA7226566_V1_MR_rfMRI_REST1_AP_SBRef.json
HCA7226566_V1_MR_rfMRI_REST1_AP_SBRef.nii.gz
HCA7226566_V1_MR_rfMRI_REST1_AP.json
HCA7226566_V1_MR_rfMRI_REST1_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap1_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_d647cf25-1d5b-47d6-be6b-9d32a51520b0.csv
PSYCHOPY/
REST_HCA7226566_V1_A_run1_design.csv
OTHER_FILES/
HCA7226566_V1_MR_rfMRI_REST1_AP_InitialFrames.nii.gz

Unique physio file names are generated for every subject/fMRI run. Keep the files in the file structure to link them to a particular subject/run.

Initial 10 frames/8 sec discarded from all fMRI runs due to non-steady state effects with T1-related signal recovery.

HCA7226566_V1_MR/unprocessed/rfMRI_REST1_PA
HCA7226566_V1_MR_rfMRI_REST1_PA_SBRef.json
HCA7226566_V1_MR_rfMRI_REST1_PA_SBRef.nii.gz
HCA7226566_V1_MR_rfMRI_REST1_PA.json

HCA7226566_V1_MR_rfMRI_REST1_PA.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap1_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap1_PA.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_109b8c5a-7a45-4dc9-b19f-60ae5f69ac60.csv
PSYCHOPY/
REST_HCA7226566_V1_A_run2_design.csv
OTHER_FILES/
HCA7226566_V1_MR_rfMRI_REST1_PA_InitialFrames.nii.gz

HCA7226566_V1_MR/unprocessed/rfMRI_REST2_AP
HCA7226566_V1_MR_rfMRI_REST2_AP_SBRef.json
HCA7226566_V1_MR_rfMRI_REST2_AP_SBRef.nii.gz
HCA7226566_V1_MR_rfMRI_REST2_AP.json
HCA7226566_V1_MR_rfMRI_REST2_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap3_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap3_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap3_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap3_PA.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_0bf05350-939a-4a46-8d5a-b200b2964a28.csv
PSYCHOPY/
REST_HCA7226566_V1_B_run1_design.csv
OTHER_FILES/
HCA7226566_V1_MR_rfMRI_REST2_AP_InitialFrames.nii.gz

HCA7226566_V1_MR/unprocessed/rfMRI_REST2_PA
HCA7226566_V1_MR_rfMRI_REST2_PA_SBRef.json
HCA7226566_V1_MR_rfMRI_REST2_PA_SBRef.nii.gz
HCA7226566_V1_MR_rfMRI_REST2_PA.json
HCA7226566_V1_MR_rfMRI_REST2_PA.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap3_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap3_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap3_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap3_PA.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_8506fff2-233d-4c28-8bc4-2f6377832d72.csv

PSYCHOPY/
REST_HCA7226566_V1_B_run2_design.csv
OTHER_FILES/
HCA7226566_V1_MR_rfMRI_REST2_PA_InitialFrames.nii.gz

Task tfMRI Data

CARIT (Go-NoGo, response inhibition without reward history)

HCA7226566_V1_MR/unprocessed/rfMRI_CARIT_PA
HCA7226566_V1_MR_SpinEchoFieldMap2_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap2_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap2_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap2_PA.nii.gz
HCA7226566_V1_MR_rfMRI_CARIT_PA_SBRef.json
HCA7226566_V1_MR_rfMRI_CARIT_PA_SBRef.nii.gz
HCA7226566_V1_MR_rfMRI_CARIT_PA.json
HCA7226566_V1_MR_rfMRI_CARIT_PA.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_14567e9a-4785-44d9-8a77-195ffa84ea1b.csv
PSYCHOPY/
CARIT_HCA7226566_V1_A_run1_wide.csv
EVs/
go.txt
miss.txt
nogoCR.txt
nogoFA.txt
OTHER_FILES/
HCA7226566_V1_MR_rfMRI_CARIT_PA _InitialFrames.nii.gz

Unique physio file names are generated for every subject/fMRI run. Keep the files in the file structure to link them to a particular subject/run.

Initial 10 frames/8 sec discarded from all fMRI runs due to non-steady state effects with T1-related signal recovery.

FACENAME (Memory)

HCA7226566_V1_MR/unprocessed/rfMRI_FACENAME_PA
HCA7226566_V1_MR_SpinEchoFieldMap2_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap2_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap2_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap2_PA.nii.gz
HCA7226566_V1_MR_rfMRI_FACENAME_PA_SBRef.json
HCA7226566_V1_MR_rfMRI_FACENAME_PA_SBRef.nii.gz

HCA7226566_V1_MR_rfMRI_FACENAME_PA.json
HCA7226566_V1_MR_rfMRI_FACENAME_PA.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_21ad6408-2e4e-40a3-ae2c-732d74d1a37d.csv
PSYCHOPY/
FACENAME_HCA7226566_V1_A_run1_wide.csv
EVs/
encoding.txt
recall.txt
OTHER_FILES/
HCA7226566_V1_MR_rfMRI_FACENAME_PA_InitialFrames.nii.gz

VISMOTOR (Motor-vision activation)

HCA7226566_V1_MR/unprocessed/rfMRI_VISMOTOR_PA
HCA7226566_V1_MR_SpinEchoFieldMap2_AP.json
HCA7226566_V1_MR_SpinEchoFieldMap2_AP.nii.gz
HCA7226566_V1_MR_SpinEchoFieldMap2_PA.json
HCA7226566_V1_MR_SpinEchoFieldMap2_PA.nii.gz
HCA7226566_V1_MR_rfMRI_VISMOTOR_PA_SBRef.json
HCA7226566_V1_MR_rfMRI_VISMOTOR_PA_SBRef.nii.gz
HCA7226566_V1_MR_rfMRI_VISMOTOR_PA.json
HCA7226566_V1_MR_rfMRI_VISMOTOR_PA.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_b903efcb-cac5-4552-9b50-5e69ca28b375.csv
PSYCHOPY/
VISMOTOR_HCA7226566_V1_A_run1_wide.csv
EVs/
vismotor.txt
OTHER_FILES/
HCA7226566_V1_MR_rfMRI_VISMOTOR_PA_InitialFrames.nii.gz

Section B: Preprocessed HCP Aging Structural MR Data Directory Structure

For the Lifespan 1.0 Release, minimally preprocessed structural MR data is available on a subset of HCP Aging (HCA) subjects in the

<Packagename>/**fmriresults01/<SubjectID_V1_MR>/** directory.

Note: The structural preprocessing for the Lifespan 1.0 Release does not include MSMAll registration, as processed functional data required for MSMAll is not yet available.

As in the HCP-YA data, the high level <SubjectID_V1_MR> directory (e.g., **HCA7226566_V1_MR/**, as exemplified here) includes these subdirectories produced by the HCP structural pipeline:

<**SubjectID_V1_MR**>**/** (e.g., **HCA7226566_V1_MR/**)

MNINonLinear/

T1w/

MNINonLinear/

BiasField.nii.gz
HCA7226566_V1_MR.164k_fs_LR.wb.spec
HCA7226566_V1_MR.ArealDistortion_FS.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.ArealDistortion_MSMSulc.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.EdgeDistortion_FS.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.EdgeDistortion_MSMSulc.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.L.ArealDistortion_FS.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.ArealDistortion_MSMSulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.EdgeDistortion_FS.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.EdgeDistortion_MSMSulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.MyelinMap.164k_fs_LR.func.gii
HCA7226566_V1_MR.L.MyelinMap_BC.164k_fs_LR.func.gii
HCA7226566_V1_MR.L.RefMyelinMap.164k_fs_LR.func.gii
HCA7226566_V1_MR.L.SmoothedMyelinMap.164k_fs_LR.func.gii
HCA7226566_V1_MR.L.SmoothedMyelinMap_BC.164k_fs_LR.func.gii
HCA7226566_V1_MR.L.StrainJ_FS.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.StrainJ_MSMSulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.StrainR_FS.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.StrainR_MSMSulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.aparc.164k_fs_LR.label.gii

HCA7226566_V1_MR.L.aparc.a2009s.164k_fs_LR.label.gii
HCA7226566_V1_MR.L.atlasroi.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.corrThickness.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.curvature.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.flat.164k_fs_LR.surf.gii
HCA7226566_V1_MR.L.inflated.164k_fs_LR.surf.gii
HCA7226566_V1_MR.L.midthickness.164k_fs_LR.surf.gii
HCA7226566_V1_MR.L.pial.164k_fs_LR.surf.gii
HCA7226566_V1_MR.L.refsulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.sphere.164k_fs_LR.surf.gii
HCA7226566_V1_MR.L.sulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.thickness.164k_fs_LR.shape.gii
HCA7226566_V1_MR.L.very_inflated.164k_fs_LR.surf.gii
HCA7226566_V1_MR.L.white.164k_fs_LR.surf.gii
HCA7226566_V1_MR.MyelinMap.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.MyelinMap_BC.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.R.ArealDistortion_FS.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.ArealDistortion_MSMSulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.EdgeDistortion_FS.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.EdgeDistortion_MSMSulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.MyelinMap.164k_fs_LR.func.gii
HCA7226566_V1_MR.R.MyelinMap_BC.164k_fs_LR.func.gii
HCA7226566_V1_MR.R.RefMyelinMap.164k_fs_LR.func.gii
HCA7226566_V1_MR.R.SmoothedMyelinMap.164k_fs_LR.func.gii
HCA7226566_V1_MR.R.SmoothedMyelinMap_BC.164k_fs_LR.func.gii
HCA7226566_V1_MR.R.StrainJ_FS.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.StrainJ_MSMSulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.StrainR_FS.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.StrainR_MSMSulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.aparc.164k_fs_LR.label.gii
HCA7226566_V1_MR.R.aparc.a2009s.164k_fs_LR.label.gii
HCA7226566_V1_MR.R.atlasroi.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.corrThickness.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.curvature.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.flat.164k_fs_LR.surf.gii
HCA7226566_V1_MR.R.inflated.164k_fs_LR.surf.gii
HCA7226566_V1_MR.R.midthickness.164k_fs_LR.surf.gii
HCA7226566_V1_MR.R.pial.164k_fs_LR.surf.gii
HCA7226566_V1_MR.R.refsulc.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.sphere.164k_fs_LR.surf.gii
HCA7226566_V1_MR.R.sulc.164k_fs_LR.shape.gii

HCA7226566_V1_MR.R.thickness.164k_fs_LR.shape.gii
HCA7226566_V1_MR.R.very_inflated.164k_fs_LR.surf.gii
HCA7226566_V1_MR.R.white.164k_fs_LR.surf.gii
HCA7226566_V1_MR.SmoothedMyelinMap.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.SmoothedMyelinMap_BC.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.StrainJ_FS.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.StrainJ_MSMSulc.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.StrainR_FS.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.StrainR_MSMSulc.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.aparc.164k_fs_LR.dlabel.nii
HCA7226566_V1_MR.aparc.a2009s.164k_fs_LR.dlabel.nii
HCA7226566_V1_MR.corrThickness.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.curvature.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.sulc.164k_fs_LR.dscalar.nii
HCA7226566_V1_MR.thickness.164k_fs_LR.dscalar.nii
Native/
ROIs/
T1w.nii.gz
T1w_restore.2.nii.gz
T1w_restore.nii.gz
T1w_restore_brain.nii.gz
T2w.nii.gz
T2w_restore.2.nii.gz
T2w_restore.nii.gz
T2w_restore_brain.nii.gz
aparc+aseg.nii.gz
aparc.a2009s+aseg.nii.gz
brainmask_fs.nii.gz
fsaverage_LR32k/
ribbon.nii.gz
wmparc.nii.gz
xfms/

MNINonLinear/Native/
HCA7226566_V1_MR.ArealDistortion_FS.native.dscalar.nii
HCA7226566_V1_MR.ArealDistortion_MSMSulc.native.dscalar.nii
HCA7226566_V1_MR.EdgeDistortion_FS.native.dscalar.nii
HCA7226566_V1_MR.EdgeDistortion_MSMSulc.native.dscalar.nii
HCA7226566_V1_MR.L.ArealDistortion_FS.native.shape.gii
HCA7226566_V1_MR.L.ArealDistortion_MSMSulc.native.shape.gii
HCA7226566_V1_MR.L.BiasField.native.func.gii
HCA7226566_V1_MR.L.EdgeDistortion_FS.native.shape.gii

HCA7226566_V1_MR.L.EdgeDistortion_MSMSulc.native.shape.gii
HCA7226566_V1_MR.L.MyelinMap.native.func.gii
HCA7226566_V1_MR.L.MyelinMap_BC.native.func.gii
HCA7226566_V1_MR.L.RefMyelinMap.native.func.gii
HCA7226566_V1_MR.L.SmoothedMyelinMap.native.func.gii
HCA7226566_V1_MR.L.SmoothedMyelinMap_BC.native.func.gii
HCA7226566_V1_MR.L.StrainJ_FS.native.shape.gii
HCA7226566_V1_MR.L.StrainJ_MSMSulc.native.shape.gii
HCA7226566_V1_MR.L.StrainR_FS.native.shape.gii
HCA7226566_V1_MR.L.StrainR_MSMSulc.native.shape.gii
HCA7226566_V1_MR.L.aparc.a2009s.native.label.gii
HCA7226566_V1_MR.L.aparc.native.label.gii
HCA7226566_V1_MR.L.atlasroi.native.shape.gii
HCA7226566_V1_MR.L.corrThickness.native.shape.gii
HCA7226566_V1_MR.L.curvature.native.shape.gii
HCA7226566_V1_MR.L.inflated.native.surf.gii
HCA7226566_V1_MR.L.midthickness.native.surf.gii
HCA7226566_V1_MR.L.pial.native.surf.gii
HCA7226566_V1_MR.L.roi.native.shape.gii
HCA7226566_V1_MR.L.sphere.MSMSulc.native.surf.gii
HCA7226566_V1_MR.L.sphere.native.surf.gii
HCA7226566_V1_MR.L.sphere.reg.native.surf.gii
HCA7226566_V1_MR.L.sphere.reg.reg_LR.native.surf.gii
HCA7226566_V1_MR.L.sphere.rot.native.surf.gii
HCA7226566_V1_MR.L.sulc.native.shape.gii
HCA7226566_V1_MR.L.thickness.native.shape.gii
HCA7226566_V1_MR.L.very_inflated.native.surf.gii
HCA7226566_V1_MR.L.white.native.surf.gii
HCA7226566_V1_MR.MyelinMap.native.dscalar.nii
HCA7226566_V1_MR.MyelinMap_BC.native.dscalar.nii
HCA7226566_V1_MR.R.ArealDistortion_FS.native.shape.gii
HCA7226566_V1_MR.R.ArealDistortion_MSMSulc.native.shape.gii
HCA7226566_V1_MR.R.BiasField.native.func.gii
HCA7226566_V1_MR.R.EdgeDistortion_FS.native.shape.gii
HCA7226566_V1_MR.R.EdgeDistortion_MSMSulc.native.shape.gii
HCA7226566_V1_MR.R.MyelinMap.native.func.gii
HCA7226566_V1_MR.R.MyelinMap_BC.native.func.gii
HCA7226566_V1_MR.R.RefMyelinMap.native.func.gii
HCA7226566_V1_MR.R.SmoothedMyelinMap.native.func.gii
HCA7226566_V1_MR.R.SmoothedMyelinMap_BC.native.func.gii
HCA7226566_V1_MR.R.StrainJ_FS.native.shape.gii

HCA7226566_V1_MR.R.StrainJ_MSMSulc.native.shape.gii
HCA7226566_V1_MR.R.StrainR_FS.native.shape.gii
HCA7226566_V1_MR.R.StrainR_MSMSulc.native.shape.gii
HCA7226566_V1_MR.R.aparc.a2009s.native.label.gii
HCA7226566_V1_MR.R.aparc.native.label.gii
HCA7226566_V1_MR.R.atlasroi.native.shape.gii
HCA7226566_V1_MR.R.corrThickness.native.shape.gii
HCA7226566_V1_MR.R.curvature.native.shape.gii
HCA7226566_V1_MR.R.inflated.native.surf.gii
HCA7226566_V1_MR.R.midthickness.native.surf.gii
HCA7226566_V1_MR.R.pial.native.surf.gii
HCA7226566_V1_MR.R.roi.native.shape.gii
HCA7226566_V1_MR.R.sphere.MSMSulc.native.surf.gii
HCA7226566_V1_MR.R.sphere.native.surf.gii
HCA7226566_V1_MR.R.sphere.reg.native.surf.gii
HCA7226566_V1_MR.R.sphere.reg.reg_LR.native.surf.gii
HCA7226566_V1_MR.R.sphere.rot.native.surf.gii
HCA7226566_V1_MR.R.sulc.native.shape.gii
HCA7226566_V1_MR.R.thickness.native.shape.gii
HCA7226566_V1_MR.R.very_inflated.native.surf.gii
HCA7226566_V1_MR.R.white.native.surf.gii
HCA7226566_V1_MR.SmoothedMyelinMap.native.dscalar.nii
HCA7226566_V1_MR.SmoothedMyelinMap_BC.native.dscalar.nii
HCA7226566_V1_MR.StrainJ_FS.native.dscalar.nii
HCA7226566_V1_MR.StrainJ_MSMSulc.native.dscalar.nii
HCA7226566_V1_MR.StrainR_FS.native.dscalar.nii
HCA7226566_V1_MR.StrainR_MSMSulc.native.dscalar.nii
HCA7226566_V1_MR.aparc.a2009s.native.dlabel.nii
HCA7226566_V1_MR.aparc.native.dlabel.nii
HCA7226566_V1_MR.corrThickness.native.dscalar.nii
HCA7226566_V1_MR.curvature.native.dscalar.nii
HCA7226566_V1_MR.native.wb.spec
HCA7226566_V1_MR.sulc.native.dscalar.nii
HCA7226566_V1_MR.thickness.native.dscalar.nii

MNINonLinear/ ROIs/

Atlas_ROIs.2.nii.gz
Atlas_wmparc.2.nii.gz
ROIs.2.nii.gz
wmparc.2.nii.gz

MNINonLinear/fsaverage_LR32k

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HCA7226566_V1_MR.ArealDistortion_FS.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.ArealDistortion_MSMSulc.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.EdgeDistortion_FS.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.EdgeDistortion_MSMSulc.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.L.ArealDistortion_FS.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.ArealDistortion_MSMSulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.EdgeDistortion_FS.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.EdgeDistortion_MSMSulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.MyelinMap.32k_fs_LR.func.gii
HCA7226566_V1_MR.L.MyelinMap_BC.32k_fs_LR.func.gii
HCA7226566_V1_MR.L.SmoothedMyelinMap.32k_fs_LR.func.gii
HCA7226566_V1_MR.L.SmoothedMyelinMap_BC.32k_fs_LR.func.gii
HCA7226566_V1_MR.L.StrainJ_FS.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.StrainJ_MSMSulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.StrainR_FS.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.StrainR_MSMSulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.aparc.32k_fs_LR.label.gii
HCA7226566_V1_MR.L.aparc.a2009s.32k_fs_LR.label.gii
HCA7226566_V1_MR.L.atlasroi.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.corrThickness.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.curvature.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.flat.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.inflated.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.midthickness.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.pial.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.sphere.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.sulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.thickness.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.very_inflated.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.white.32k_fs_LR.surf.gii
HCA7226566_V1_MR.MyelinMap.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.MyelinMap_BC.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.R.ArealDistortion_FS.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.ArealDistortion_MSMSulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.EdgeDistortion_FS.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.EdgeDistortion_MSMSulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.MyelinMap.32k_fs_LR.func.gii
HCA7226566_V1_MR.R.MyelinMap_BC.32k_fs_LR.func.gii
HCA7226566_V1_MR.R.SmoothedMyelinMap.32k_fs_LR.func.gii

HCA7226566_V1_MR.R.SmoothedMyelinMap_BC.32k_fs_LR.func.gii
HCA7226566_V1_MR.R.StrainJ_FS.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.StrainJ_MSMSulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.StrainR_FS.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.StrainR_MSMSulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.aparc.32k_fs_LR.label.gii
HCA7226566_V1_MR.R.aparc.a2009s.32k_fs_LR.label.gii
HCA7226566_V1_MR.R.atlasroi.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.corrThickness.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.curvature.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.flat.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.inflated.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.midthickness.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.pial.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.sphere.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.sulc.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.thickness.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.very_inflated.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.white.32k_fs_LR.surf.gii
HCA7226566_V1_MR.SmoothedMyelinMap.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.SmoothedMyelinMap_BC.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.StrainJ_FS.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.StrainJ_MSMSulc.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.StrainR_FS.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.StrainR_MSMSulc.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.aparc.32k_fs_LR.dlabel.nii
HCA7226566_V1_MR.aparc.a2009s.32k_fs_LR.dlabel.nii
HCA7226566_V1_MR.corrThickness.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.curvature.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.sulc.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.thickness.32k_fs_LR.dscalar.nii

MNINonLinear/xfms/

NonlinearRegJacobians.nii.gz
acpc_dc2standard.nii.gz
standard2acpc_dc.nii.gz

T1w/

BiasField_acpc_dc.nii.gz
HCA7226566_V1_MR/
Native/
T1wDividedByT2w.nii.gz

Directory only present if Structural_extended package included

T1wDividedByT2w_ribbon.nii.gz
T1w_acpc_dc.nii.gz
T1w_acpc_dc_restore.nii.gz
T1w_acpc_dc_restore_brain.nii.gz
T2w_acpc_dc.nii.gz
T2w_acpc_dc_restore.nii.gz
T2w_acpc_dc_restore_brain.nii.gz
aparc+aseg.nii.gz
aparc.a2009s+aseg.nii.gz
brainmask_fs.nii.gz
fsaverage_LR32k/
ribbon.nii.gz
wmparc.nii.gz
xfms/

T1w/HCA7226566_V1_MR/

Structural_extended intermediate FreeSurfer outputs. Files in subdirectories not listed here for brevity.

label/
mri/
scripts/
stats/
surf/
touch/

T1w/Native/

HCA7226566_V1_MR.L.inflated.native.surf.gii
HCA7226566_V1_MR.L.midthickness.native.surf.gii
HCA7226566_V1_MR.L.pial.native.surf.gii
HCA7226566_V1_MR.L.very_inflated.native.surf.gii
HCA7226566_V1_MR.L.white.native.surf.gii
HCA7226566_V1_MR.R.inflated.native.surf.gii
HCA7226566_V1_MR.R.midthickness.native.surf.gii
HCA7226566_V1_MR.R.pial.native.surf.gii
HCA7226566_V1_MR.R.very_inflated.native.surf.gii
HCA7226566_V1_MR.R.white.native.surf.gii
HCA7226566_V1_MR.native.wb.spec

T1w/fsaverage_LR32k/

HCA7226566_V1_MR.32k_fs_LR.wb.spec
HCA7226566_V1_MR.L.inflated.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.midthickness.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.midthickness_va.32k_fs_LR.shape.gii
HCA7226566_V1_MR.L.pial.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.very_inflated.32k_fs_LR.surf.gii
HCA7226566_V1_MR.L.white.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.inflated.32k_fs_LR.surf.gii

HCA7226566_V1_MR.R.midthickness.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.midthickness_va.32k_fs_LR.shape.gii
HCA7226566_V1_MR.R.pial.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.very_inflated.32k_fs_LR.surf.gii
HCA7226566_V1_MR.R.white.32k_fs_LR.surf.gii
HCA7226566_V1_MR.midthickness_va.32k_fs_LR.dscalar.nii
HCA7226566_V1_MR.midthickness_va_norm.32k_fs_LR.dscalar.nii

T1w/xfms/

acpc.mat

Section C: HCP Development Unprocessed MR Data Directory Structure

Unprocessed data for each HCP Development (HCD) subject is in the <Packagename>/**imagingcollection01/<SubjectID_V1_MR>/unprocessed/** directory:

<SubjectID_V1_MR>/ (e.g., **HCD2256651_V1_MR/**)

unprocessed/

The V1_MR in the SubjectID signifies that these are MR data collected in Visit 1. In future releases, Visit 2 data will be available for some subjects.

JSON files (*.json) with the same name as corresponding NIFTI images contain scan level meta data pulled from the DICOM header.

Unprocessed data for exemplar subject HCD2256651_V1_MR has the following directory structure:

HCD2256651_V1_MR/unprocessed/
- **Diffusion/**
- **T1w_MPR1_vNav_4e_RMS/**
- **T2w_SPC_vNav/**
- **mbPCASLhr/**
- **rfMRI_REST1_AP/**
- **rfMRI_REST1_PA/**
- **rfMRI_REST2_AP/**
- **rfMRI_REST2_PA/**
- **tfMRI_CARIT_AP/**
- **tfMRI_CARIT_PA/**
- **tfMRI_EMOTION_PA/**
- **tfMRI_GUESSING_AP/**
- **tfMRI_GUESSING_PA/**

Diffusion Data

HCD2256651_V1_MR/unprocessed/Diffusion/
- HCD2256651_V1_MR_dMRI_dir98_AP.bval
- HCD2256651_V1_MR_dMRI_dir98_AP.bvec
- HCD2256651_V1_MR_dMRI_dir98_AP.json

HCD2256651_V1_MR_dMRI_dir98_AP.nii.gz
HCD2256651_V1_MR_dMRI_dir98_AP_SBRef.json
HCD2256651_V1_MR_dMRI_dir98_AP_SBRef.nii.gz
HCD2256651_V1_MR_dMRI_dir98_PA.bval
HCD2256651_V1_MR_dMRI_dir98_PA.bvec
HCD2256651_V1_MR_dMRI_dir98_PA.json
HCD2256651_V1_MR_dMRI_dir98_PA.nii.gz
HCD2256651_V1_MR_dMRI_dir98_PA_SBRef.json
HCD2256651_V1_MR_dMRI_dir98_PA_SBRef.nii.gz
HCD2256651_V1_MR_dMRI_dir99_AP.bval
HCD2256651_V1_MR_dMRI_dir99_AP.bvec
HCD2256651_V1_MR_dMRI_dir99_AP.json
HCD2256651_V1_MR_dMRI_dir99_AP.nii.gz
HCD2256651_V1_MR_dMRI_dir99_AP_SBRef.json
HCD2256651_V1_MR_dMRI_dir99_AP_SBRef.nii.gz
HCD2256651_V1_MR_dMRI_dir99_PA.bval
HCD2256651_V1_MR_dMRI_dir99_PA.bvec
HCD2256651_V1_MR_dMRI_dir99_PA.json
HCD2256651_V1_MR_dMRI_dir99_PA.nii.gz
HCD2256651_V1_MR_dMRI_dir99_PA_SBRef.json
HCD2256651_V1_MR_dMRI_dir99_PA_SBRef.nii.gz

OTHER_FILES/

HCD2256651_V1_MR_SpinEchoFieldMap4_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap4_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap4_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap4_PA.nii.gz

Structural Data

HCD2256651_V1_MR/unprocessed/T1w_MPR_vNav_4e_RMS

HCD2256651_V1_MR_SpinEchoFieldMap1_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap1_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap1_PA.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_4e_RMS.json
HCD2256651_V1_MR_T1w_MPR_vNav_4e_RMS.nii.gz

Multi-echo MPRAGE with volumetric navigators

RMS average of 4 echoes. Individual echoes in Other_Files/

OTHER_FILES/

HCD2256651_V1_MR_T1w_MPR_vNav_4e_e1.json
HCD2256651_V1_MR_T1w_MPR_vNav_4e_e1.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_4e_e2.json

HCD2256651_V1_MR_T1w_MPR_vNav_4e_e2.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_4e_e3.json
HCD2256651_V1_MR_T1w_MPR_vNav_4e_e3.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_4e_e4.json
HCD2256651_V1_MR_T1w_MPR_vNav_4e_e4.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_RMS.json
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_RMS.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_e1.json
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_e1.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_e2.json
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_e2.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_e3.json
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_e3.nii.gz
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_e4.json
HCD2256651_V1_MR_T1w_MPR_vNav_Norm_4e_e4.nii.gz

RMS Average of echoes with pre-scan Normalize on

Individual echoes with pre-scan Normalize on

HCD2256651_V1_MR_T1w_setter.json
HCD2256651_V1_MR_T1w_setter.nii.gz

Setter scans write parameters for volumetric navigators for T1w scan.

session_report.csv

Summary report of all scans over the subject's 2 day data collection (shim group, phase encoding direction, completeness).

HCD2256651_V1_MR/unprocessed/T2w_SPC_vNav

HCD2256651_V1_MR_SpinEchoFieldMap1_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap1_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap1_PA.nii.gz
HCD2256651_V1_MR_T2w_SPC_vNav.json
HCD2256651_V1_MR_T2w_SPC_vNav.nii.gz

Variable-flip-angle turbo-spin-echo SPACE with volumetric navigators

OTHER_FILES/

HCD2256651_V1_MR_T2w_SPC_vNav_Norm.json
HCD2256651_V1_MR_T2w_SPC_vNav_Norm.nii.gz

T2w scan with pre-scan Normalize on

HCD2256651_V1_MR_T2w_setter.json
HCD2256651_V1_MR_T2w_setter.nii.gz

Setter scans write parameters for volumetric navigators for T2w scan.

Arterial Spin Labeling Data

HCD2256651_V1_MR/unprocessed/mbPCASLhr/

HCD2256651_V1_MR_PCASLhr_SpinEchoFieldMap_AP.json
HCD2256651_V1_MR_PCASLhr_SpinEchoFieldMap_AP.nii.gz
HCD2256651_V1_MR_PCASLhr_SpinEchoFieldMap_PA.json
HCD2256651_V1_MR_PCASLhr_SpinEchoFieldMap_PA.nii.gz

Multiband Pseudo-continuous artiteral spin labeling with high spatial resolution

HCD2256651_V1_MR_mbPCASLhr_PA.json
HCD2256651_V1_MR_mbPCASLhr_PA.nii.gz
LINKED_DATA/
PSYCHOPY/
mbPCASL_HCD2256651_V1_B_run1_design.csv

Resting State rfMRI Data

HCD2256651_V1_MR/unprocessed/rfMRI_REST1_AP
HCD2256651_V1_MR_SpinEchoFieldMap1_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap1_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap1_PA.nii.gz
HCD2256651_V1_MR_rfMRI_REST1_AP.json
HCD2256651_V1_MR_rfMRI_REST1_AP.nii.gz
HCD2256651_V1_MR_rfMRI_REST1_AP_SBRef.json
HCD2256651_V1_MR_rfMRI_REST1_AP_SBRef.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_3cf09018-aaf7-4a9c-bc5a-62b83febd913.csv
PSYCHOPY/
REST_HCD2256651_V1_A_run1_design.csv
OTHER_FILES/
HCD2256651_V1_MR_rfMRI_REST1_AP_InitialFrames.nii.gz

Unique physio file names are generated for every subject/fMRI run. Keep the files in the file structure to link them to a particular subject/run.

Initial 10 frames/8 sec discarded from all fMRI runs due to non-steady state effects with T1-related signal recovery.

HCD2256651_V1_MR/unprocessed/rfMRI_REST1_PA
HCD2256651_V1_MR_SpinEchoFieldMap1_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap1_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap1_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap1_PA.nii.gz
HCD2256651_V1_MR_rfMRI_REST1_PA.json
HCD2256651_V1_MR_rfMRI_REST1_PA.nii.gz
HCD2256651_V1_MR_rfMRI_REST1_PA_SBRef.json
HCD2256651_V1_MR_rfMRI_REST1_PA_SBRef.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_aa35f5f9-c2a1-4666-b1e8-e955afbb45c1.csv
PSYCHOPY/
REST_HCD2256651_V1_A_run2_design.csv
OTHER_FILES/
HCD2256651_V1_MR_rfMRI_REST1_PA_InitialFrames.nii.gz

HCD2256651_V1_MR/unprocessed/rfMRI_REST2_AP

HCD2256651_V1_MR_SpinEchoFieldMap3_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap3_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap3_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap3_PA.nii.gz
HCD2256651_V1_MR_rfMRI_REST2_AP.json
HCD2256651_V1_MR_rfMRI_REST2_AP.nii.gz
HCD2256651_V1_MR_rfMRI_REST2_AP_SBRef.json
HCD2256651_V1_MR_rfMRI_REST2_AP_SBRef.nii.gz

LINKED_DATA/

PHYSIO/

Physio_combined_0c9c471a-72ab-4d7c-8876-bfe5e87fc511.csv

PSYCHOPY/

REST_HCD2256651_V1_B_run1_design.csv

OTHER_FILES/

HCD2256651_V1_MR_rfMRI_REST2_AP_InitialFrames.nii.gz

HCA7226566_V1_MR/unprocessed/rfMRI_REST2_PA

HCD2256651_V1_MR_SpinEchoFieldMap3_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap3_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap3_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap3_PA.nii.gz
HCD2256651_V1_MR_rfMRI_REST2_PA.json
HCD2256651_V1_MR_rfMRI_REST2_PA.nii.gz
HCD2256651_V1_MR_rfMRI_REST2_PA_SBRef.json
HCD2256651_V1_MR_rfMRI_REST2_PA_SBRef.nii.gz

LINKED_DATA/

PHYSIO/

Physio_combined_86820b18-9c1d-42d9-b07b-ec66aa2fb52d.csv

PSYCHOPY/

REST_HCD2256651_V1_B_run2_design.csv

OTHER_FILES/

HCD2256651_V1_MR_rfMRI_REST2_PA_InitialFrames.nii.gz

Task tfMRI Data

CARIT (Go-NoGo, response inhibition with reward history from GUESSING)

HCD2256651_V1_MR/unprocessed/rfMRI_CARIT_AP

HCD2256651_V1_MR_SpinEchoFieldMap2_AP.json

HCD2256651_V1_MR_SpinEchoFieldMap2_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.nii.gz
HCD2256651_V1_MR_tfMRI_CARIT_AP.json
HCD2256651_V1_MR_tfMRI_CARIT_AP.nii.gz
HCD2256651_V1_MR_tfMRI_CARIT_AP_SBRef.json
HCD2256651_V1_MR_tfMRI_CARIT_AP_SBRef.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_eaf0f70c-f4f6-4495-ab72-5579ef37a987.csv
PSYCHOPY/
CARIT_HCD2256651_V1_A_run2_wide.csv
EVs/
go.txt
miss.txt
nogoCRLose.txt
nogoCRWin.txt
nogoFALose.txt
nogoFAWin.txt
OTHER_FILES/
HCD2256651_V1_MR_tfMRI_CARIT_AP_InitialFrames.nii.gz

Unique physio file names are generated for every subject/fMRI run. Keep the files in the file structure to link them to a particular subject/run.

Initial 10 frames/8 sec discarded from all fMRI runs due to non-steady state effects with T1-related signal recovery.

HCD2256651_V1_MR/unprocessed/rfMRI_CARIT_PA
HCD2256651_V1_MR_SpinEchoFieldMap2_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap2_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.nii.gz
HCD2256651_V1_MR_tfMRI_CARIT_PA.json
HCD2256651_V1_MR_tfMRI_CARIT_PA.nii.gz
HCD2256651_V1_MR_tfMRI_CARIT_PA_SBRef.json
HCD2256651_V1_MR_tfMRI_CARIT_PA_SBRef.nii.gz
LINKED_DATA/
PHYSIO/
Physio_combined_b1a72a94-84fd-431f-bf72-daf0481454a3.csv
PSYCHOPY/
CARIT_HCD2256651_V1_A_run1_wide.csv
EVs/
go.txt
miss.txt
nogoCRLose.txt
nogoCRWin.txt

nogoFALose.txt
nogoFAWin.txt

OTHER_FILES/

HCD2256651_V1_MR_tfMRI_CARIT_PA_InitialFrames.nii.gz

EMOTION

HCD2256651_V1_MR/unprocessed/rfMRI_EMOTION_PA

HCD2256651_V1_MR_SpinEchoFieldMap2_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap2_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.nii.gz
HCD2256651_V1_MR_tfMRI_EMOTION_PA.json
HCD2256651_V1_MR_tfMRI_EMOTION_PA.nii.gz
HCD2256651_V1_MR_tfMRI_EMOTION_PA_SBRef.json
HCD2256651_V1_MR_tfMRI_EMOTION_PA_SBRef.nii.gz

LINKED_DATA/

PHYSIO/

Physio_combined_d3dfce14-51ce-4636-8bc3-b62a28bdf84e.csv

PSYCHOPY/

EMOTION_HCD2256651_V1_A_run1_wide.csv

EVs/

faces.txt
shapes.txt

OTHER_FILES/

HCD2256651_V1_MR_tfMRI_EMOTION_PA_InitialFrames.nii.gz

GUESSING (Reward Reactivity)

HCD2256651_V1_MR/unprocessed/rfMRI_GUESSING_AP

HCD2256651_V1_MR_SpinEchoFieldMap2_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap2_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.nii.gz
HCD2256651_V1_MR_tfMRI_GUESSING_AP.json
HCD2256651_V1_MR_tfMRI_GUESSING_AP.nii.gz
HCD2256651_V1_MR_tfMRI_GUESSING_AP_SBRef.json
HCD2256651_V1_MR_tfMRI_GUESSING_AP_SBRef.nii.gz

LINKED_DATA/

PHYSIO/

Physio_combined_80235588-61b0-495a-8ae2-de70dd898b8a.csv

PSYCHOPY/

EVs/

cueHigh.txt
cueLow.txt
feedbackHighLose.txt
feedbackHighWin.txt
feedbackLowLose.txt
feedbackLowWin.txt
guess.txt

GUESSING_HCD2256651_V1_A_run2_wide.csv

OTHER_FILES/

HCD2256651_V1_MR_tfMRI_GUESSING_AP_InitialFrames.nii.gz

HCD2256651_V1_MR/unprocessed/rfMRI_GUESSING_PA

HCD2256651_V1_MR_SpinEchoFieldMap2_AP.json
HCD2256651_V1_MR_SpinEchoFieldMap2_AP.nii.gz
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.json
HCD2256651_V1_MR_SpinEchoFieldMap2_PA.nii.gz
HCD2256651_V1_MR_tfMRI_GUESSING_PA.json
HCD2256651_V1_MR_tfMRI_GUESSING_PA.nii.gz
HCD2256651_V1_MR_tfMRI_GUESSING_PA_SBRef.json
HCD2256651_V1_MR_tfMRI_GUESSING_PA_SBRef.nii.gz

LINKED_DATA/

PHYSIO/

Physio_combined_67398464-1adf-41f8-9baf-893723554945.csv

PSYCHOPY/

EVs/

cueHigh.txt
cueLow.txt
feedbackHighLose.txt
feedbackHighWin.txt
feedbackLowLose.txt
feedbackLowWin.txt
guess.txt

GUESSING_HCD2256651_V1_A_run1_wide.csv

OTHER_FILES/

HCD2256651_V1_MR_tfMRI_GUESSING_PA_InitialFrames.nii.gz

Section D: Preprocessed HCP Development Structural MR Data Directory Structure

For the Lifespan 1.0 Release, minimally preprocessed structural MR data is available on a subset of HCP Development (HCD) subjects in the

<Packagename>/**fmriresults01/<SubjectID_V1_MR>/** directory.

Note: The structural preprocessing for the Lifespan 1.0 Release does not include MSMAll registration, as processed functional data required for MSMAll is not yet available.

As in the HCP-YA data, the high level <SubjectID_V1_MR> directory (e.g., **HCD2256651_V1_MR/**, as exemplified here) includes these subdirectories produced by the HCP structural pipeline:

<**SubjectID_V1_MR**>/ (e.g., **HCD2256651_V1_MR/**)

MNINonLinear/

T1w/

MNINonLinear/

BiasField.nii.gz
HCD2256651_V1_MR.164k_fs_LR.wb.spec
HCD2256651_V1_MR.ArealDistortion_FS.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.ArealDistortion_MSMSulc.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.EdgeDistortion_FS.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.EdgeDistortion_MSMSulc.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.L.ArealDistortion_FS.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.ArealDistortion_MSMSulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.EdgeDistortion_FS.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.EdgeDistortion_MSMSulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.MyelinMap.164k_fs_LR.func.gii
HCD2256651_V1_MR.L.MyelinMap_BC.164k_fs_LR.func.gii
HCD2256651_V1_MR.L.RefMyelinMap.164k_fs_LR.func.gii
HCD2256651_V1_MR.L.SmoothedMyelinMap.164k_fs_LR.func.gii
HCD2256651_V1_MR.L.SmoothedMyelinMap_BC.164k_fs_LR.func.gii
HCD2256651_V1_MR.L.StrainJ_FS.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.StrainJ_MSMSulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.StrainR_FS.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.StrainR_MSMSulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.aparc.164k_fs_LR.label.gii

HCD2256651_V1_MR.L.aparc.a2009s.164k_fs_LR.label.gii
HCD2256651_V1_MR.L.atlasroi.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.corrThickness.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.curvature.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.flat.164k_fs_LR.surf.gii
HCD2256651_V1_MR.L.inflated.164k_fs_LR.surf.gii
HCD2256651_V1_MR.L.midthickness.164k_fs_LR.surf.gii
HCD2256651_V1_MR.L.pial.164k_fs_LR.surf.gii
HCD2256651_V1_MR.L.refsulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.sphere.164k_fs_LR.surf.gii
HCD2256651_V1_MR.L.sulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.thickness.164k_fs_LR.shape.gii
HCD2256651_V1_MR.L.very_inflated.164k_fs_LR.surf.gii
HCD2256651_V1_MR.L.white.164k_fs_LR.surf.gii
HCD2256651_V1_MR.MyelinMap.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.MyelinMap_BC.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.R.ArealDistortion_FS.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.ArealDistortion_MSMSulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.EdgeDistortion_FS.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.EdgeDistortion_MSMSulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.MyelinMap.164k_fs_LR.func.gii
HCD2256651_V1_MR.R.MyelinMap_BC.164k_fs_LR.func.gii
HCD2256651_V1_MR.R.RefMyelinMap.164k_fs_LR.func.gii
HCD2256651_V1_MR.R.SmoothedMyelinMap.164k_fs_LR.func.gii
HCD2256651_V1_MR.R.SmoothedMyelinMap_BC.164k_fs_LR.func.gii
HCD2256651_V1_MR.R.StrainJ_FS.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.StrainJ_MSMSulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.StrainR_FS.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.StrainR_MSMSulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.aparc.164k_fs_LR.label.gii
HCD2256651_V1_MR.R.aparc.a2009s.164k_fs_LR.label.gii
HCD2256651_V1_MR.R.atlasroi.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.corrThickness.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.curvature.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.flat.164k_fs_LR.surf.gii
HCD2256651_V1_MR.R.inflated.164k_fs_LR.surf.gii
HCD2256651_V1_MR.R.midthickness.164k_fs_LR.surf.gii
HCD2256651_V1_MR.R.pial.164k_fs_LR.surf.gii
HCD2256651_V1_MR.R.refsulc.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.sphere.164k_fs_LR.surf.gii
HCD2256651_V1_MR.R.sulc.164k_fs_LR.shape.gii

HCD2256651_V1_MR.R.thickness.164k_fs_LR.shape.gii
HCD2256651_V1_MR.R.very_inflated.164k_fs_LR.surf.gii
HCD2256651_V1_MR.R.white.164k_fs_LR.surf.gii
HCD2256651_V1_MR.SmoothedMyelinMap.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.SmoothedMyelinMap_BC.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.StrainJ_FS.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.StrainJ_MSMSulc.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.StrainR_FS.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.StrainR_MSMSulc.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.aparc.164k_fs_LR.dlabel.nii
HCD2256651_V1_MR.aparc.a2009s.164k_fs_LR.dlabel.nii
HCD2256651_V1_MR.corrThickness.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.curvature.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.sulc.164k_fs_LR.dscalar.nii
HCD2256651_V1_MR.thickness.164k_fs_LR.dscalar.nii
Native/
ROIs/
T1w.nii.gz
T1w_restore.2.nii.gz
T1w_restore.nii.gz
T1w_restore_brain.nii.gz
T2w.nii.gz
T2w_restore.2.nii.gz
T2w_restore.nii.gz
T2w_restore_brain.nii.gz
aparc+aseg.nii.gz
aparc.a2009s+aseg.nii.gz
brainmask_fs.nii.gz
fsaverage_LR32k/
ribbon.nii.gz
wmparc.nii.gz
xfms/

MNINonLinear/Native/
HCD2256651_V1_MR.ArealDistortion_FS.native.dscalar.nii
HCD2256651_V1_MR.ArealDistortion_MSMSulc.native.dscalar.nii
HCD2256651_V1_MR.EdgeDistortion_FS.native.dscalar.nii
HCD2256651_V1_MR.EdgeDistortion_MSMSulc.native.dscalar.nii
HCD2256651_V1_MR.L.ArealDistortion_FS.native.shape.gii
HCD2256651_V1_MR.L.ArealDistortion_MSMSulc.native.shape.gii
HCD2256651_V1_MR.L.BiasField.native.func.gii
HCD2256651_V1_MR.L.EdgeDistortion_FS.native.shape.gii

HCD2256651_V1_MR.L.EdgeDistortion_MSMSulc.native.shape.gii
HCD2256651_V1_MR.L.MyelinMap.native.func.gii
HCD2256651_V1_MR.L.MyelinMap_BC.native.func.gii
HCD2256651_V1_MR.L.RefMyelinMap.native.func.gii
HCD2256651_V1_MR.L.SmoothedMyelinMap.native.func.gii
HCD2256651_V1_MR.L.SmoothedMyelinMap_BC.native.func.gii
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HCD2256651_V1_MR.L.StrainJ_MSMSulc.native.shape.gii
HCD2256651_V1_MR.L.StrainR_FS.native.shape.gii
HCD2256651_V1_MR.L.StrainR_MSMSulc.native.shape.gii
HCD2256651_V1_MR.L.aparc.a2009s.native.label.gii
HCD2256651_V1_MR.L.aparc.native.label.gii
HCD2256651_V1_MR.L.atlasroi.native.shape.gii
HCD2256651_V1_MR.L.corrThickness.native.shape.gii
HCD2256651_V1_MR.L.curvature.native.shape.gii
HCD2256651_V1_MR.L.inflated.native.surf.gii
HCD2256651_V1_MR.L.midthickness.native.surf.gii
HCD2256651_V1_MR.L.pial.native.surf.gii
HCD2256651_V1_MR.L.roi.native.shape.gii
HCD2256651_V1_MR.L.sphere.MSMSulc.native.surf.gii
HCD2256651_V1_MR.L.sphere.native.surf.gii
HCD2256651_V1_MR.L.sphere.reg.native.surf.gii
HCD2256651_V1_MR.L.sphere.reg.reg_LR.native.surf.gii
HCD2256651_V1_MR.L.sphere.rot.native.surf.gii
HCD2256651_V1_MR.L.sulc.native.shape.gii
HCD2256651_V1_MR.L.thickness.native.shape.gii
HCD2256651_V1_MR.L.very_inflated.native.surf.gii
HCD2256651_V1_MR.L.white.native.surf.gii
HCD2256651_V1_MR.MyelinMap.native.dscalar.nii
HCD2256651_V1_MR.MyelinMap_BC.native.dscalar.nii
HCD2256651_V1_MR.R.ArealDistortion_FS.native.shape.gii
HCD2256651_V1_MR.R.ArealDistortion_MSMSulc.native.shape.gii
HCD2256651_V1_MR.R.BiasField.native.func.gii
HCD2256651_V1_MR.R.EdgeDistortion_FS.native.shape.gii
HCD2256651_V1_MR.R.EdgeDistortion_MSMSulc.native.shape.gii
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HCD2256651_V1_MR.R.RefMyelinMap.native.func.gii
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HCD2256651_V1_MR.R.aparc.native.label.gii
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HCD2256651_V1_MR.R.pial.native.surf.gii
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HCD2256651_V1_MR.R.thickness.native.shape.gii
HCD2256651_V1_MR.R.very_inflated.native.surf.gii
HCD2256651_V1_MR.R.white.native.surf.gii
HCD2256651_V1_MR.SmoothedMyelinMap.native.dscalar.nii
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HCD2256651_V1_MR.native.wb.spec
HCD2256651_V1_MR.sulc.native.dscalar.nii
HCD2256651_V1_MR.thickness.native.dscalar.nii

MNINonLinear/ ROIs/

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ROIs.2.nii.gz
wmparc.2.nii.gz

MNINonLinear/fsaverage_LR32k

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HCD2256651_V1_MR.L.ArealDistortion_MSMSulc.32k_fs_LR.shape.gii
HCD2256651_V1_MR.L.EdgeDistortion_FS.32k_fs_LR.shape.gii
HCD2256651_V1_MR.L.EdgeDistortion_MSMSulc.32k_fs_LR.shape.gii
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HCD2256651_V1_MR.L.MyelinMap_BC.32k_fs_LR.func.gii
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HCD2256651_V1_MR.L.SmoothedMyelinMap_BC.32k_fs_LR.func.gii
HCD2256651_V1_MR.L.StrainJ_FS.32k_fs_LR.shape.gii
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HCD2256651_V1_MR.L.curvature.32k_fs_LR.shape.gii
HCD2256651_V1_MR.L.flat.32k_fs_LR.surf.gii
HCD2256651_V1_MR.L.inflated.32k_fs_LR.surf.gii
HCD2256651_V1_MR.L.midthickness.32k_fs_LR.surf.gii
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HCD2256651_V1_MR.L.thickness.32k_fs_LR.shape.gii
HCD2256651_V1_MR.L.very_inflated.32k_fs_LR.surf.gii
HCD2256651_V1_MR.L.white.32k_fs_LR.surf.gii
HCD2256651_V1_MR.MyelinMap.32k_fs_LR.dscalar.nii
HCD2256651_V1_MR.MyelinMap_BC.32k_fs_LR.dscalar.nii
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HCD2256651_V1_MR.R.EdgeDistortion_FS.32k_fs_LR.shape.gii
HCD2256651_V1_MR.R.EdgeDistortion_MSMSulc.32k_fs_LR.shape.gii
HCD2256651_V1_MR.R.MyelinMap.32k_fs_LR.func.gii
HCD2256651_V1_MR.R.MyelinMap_BC.32k_fs_LR.func.gii
HCD2256651_V1_MR.R.SmoothedMyelinMap.32k_fs_LR.func.gii

HCD2256651_V1_MR.R.SmoothedMyelinMap_BC.32k_fs_LR.func.gii
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HCD2256651_V1_MR.SmoothedMyelinMap_BC.32k_fs_LR.dscalar.nii
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HCD2256651_V1_MR.StrainJ_MSMSulc.32k_fs_LR.dscalar.nii
HCD2256651_V1_MR.StrainR_FS.32k_fs_LR.dscalar.nii
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MNINonLinear/xfms/

NonlinearRegJacobians.nii.gz
acpc_dc2standard.nii.gz
standard2acpc_dc.nii.gz

T1w/

BiasField_acpc_dc.nii.gz
HCD2256651_V1_MR/
Native/

Directory only present if Structural_extended package included

T1wDividedByT2w.nii.gz
T1wDividedByT2w_ribbon.nii.gz
T1w_acpc_dc.nii.gz
T1w_acpc_dc_restore.nii.gz
T1w_acpc_dc_restore_brain.nii.gz
T2w_acpc_dc.nii.gz
T2w_acpc_dc_restore.nii.gz
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aparc+aseg.nii.gz
aparc.a2009s+aseg.nii.gz
brainmask_fs.nii.gz
fsaverage_LR32k/
ribbon.nii.gz
wmparc.nii.gz
xfms/

T1w/HCD2256651_V1_MR /
label/
mri/
scripts/
stats/
surf/
touch/

Structural_extended intermediate FreeSurfer outputs. Files in subdirectories not listed here for brevity.

T1w/Native/
HCD2256651_V1_MR.L.inflated.native.surf.gii
HCD2256651_V1_MR.L.midthickness.native.surf.gii
HCD2256651_V1_MR.L.pial.native.surf.gii
HCD2256651_V1_MR.L.very_inflated.native.surf.gii
HCD2256651_V1_MR.L.white.native.surf.gii
HCD2256651_V1_MR.R.inflated.native.surf.gii
HCD2256651_V1_MR.R.midthickness.native.surf.gii
HCD2256651_V1_MR.R.pial.native.surf.gii
HCD2256651_V1_MR.R.very_inflated.native.surf.gii
HCD2256651_V1_MR.R.white.native.surf.gii
HCD2256651_V1_MR.native.wb.spec

T1w/fsaverage_LR32k/
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HCD2256651_V1_MR.L.midthickness.32k_fs_LR.surf.gii
HCD2256651_V1_MR.L.midthickness_va.32k_fs_LR.shape.gii
HCD2256651_V1_MR.L.pial.32k_fs_LR.surf.gii

HCD2256651_V1_MR.L.very_inflated.32k_fs_LR.surf.gii
HCD2256651_V1_MR.L.white.32k_fs_LR.surf.gii
HCD2256651_V1_MR.R.inflated.32k_fs_LR.surf.gii
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HCD2256651_V1_MR.R.pial.32k_fs_LR.surf.gii
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T1w/xfms/

acpc.mat