

NACC MRI DATA

Research structural MRI data submission

Requested scan types

Based on feedback from the Imaging Subcommittee of the ADC Clinical Task Force, NACC is seeking the following types of scans, in DICOM format, for ADC Clinical Core subjects:

- **3D T1-weighted**. e.g., MPRAGE, FSPGR
- **FLAIR**. e.g., turbo, fast, TSE
- **DTI**. e.g., 2.5mm/1300b/40dir, plus applicable gradient table

Please note, however, that **you need not submit all three types**. For Centers that do not routinely collect each of these scans, or in cases where one or two types were not done for a subset of subjects, you may upload only the available series. Please be sure that the series are easily identifiable within the sub-directory structure of submitted files, or in the DICOM header (i.e., in the Series Description tag).

Additional image types are also encouraged, but we ask that you let us know what kinds of scans you plan to upload so that we can configure the system appropriately. *Note: We cannot accept functional MRIs at this time.*

Before uploading structural MRIs:

1. IRB APPROVAL AND CONSENT — Please check your most current consent form and ensure that de-identified MRI data are permitted to be shared with NACC and other researchers, either implicitly (e.g., as “all ADC research data”) or explicitly, as imaging or MRI data in the consent form. Please email a copy of your most recent ADC consent form to Maggie Dean (connorm@uw.edu), highlighting the relevant section.
2. DICOM HEADER DE-IDENTIFICATION — Please remove patient name and SSN (if applicable) before submitting images. NACC has developed software that will strip any remaining Center and patient-identifying information, inserting **NACCID** in place of Patient ID and Patient Name and **NACCADC** in place of Institution Name.
3. DTI — Before uploading DTI, please contact Duane Beekly (beekly@uw.edu, 206-543-8834), to discuss the different product sequences used at your Center and the applicable b-values and gradient tables for the scans.

Upload options for structural MRIs

Type of upload	Best for ...	Example	Formats accepted	File preparation	To get started
BATCH UPLOAD to a secure FTP site	Uploading large numbers of scans at once	Adding all previously acquired MRIs for a UDS subject from 2005 to the present)	.zip or tar.bz of DICOM (.dcm) files	Name subdirectories so that NACC can easily recognize PTID, acquisition date, and scan type.	NACC will work with you to set up a secure FTP and configure your image data for file transfer. Contact: Duane Beekly (beekly@uw.edu) Joylee Wu (joyleewu@uw.edu)
DIRECT UPLOAD to NACC's online submission system	Uploading a smaller number of scans	Adding images from recent subject visits; these could be uploaded once a week or twice a month, as new images become available	.zip of DICOM (.dcm) files only	Submit a separate .zip file for each subject and scan date. You can upload a separate .zip file for each scan type you have for that subject's session, or you can bundle all the scan types together in one .zip file.	Go to NACC's MRI Submission System page . Before uploading, you must enter: <ul style="list-style-type: none"> • PTID • scan date • scan type(s)