1. Date of scan:
2. Equipment:
3. Magnet Strength (choose one):

[ ]  1.5T [ ]  3T [ ]  4T [ ]  7T [ ]  Other, specify:

1. Coil (Choose one):

[ ]  Single Coil [ ]  8-ch [ ]  16-ch [ ]  32-ch [ ]  Other, specify:

1. Name of the scanner manufacturer:

[ ]  GE [ ]  Siemens [ ]  Philips [ ]  Toshiba [ ]  Other, specify

1. Number of different MRI scanners used:
2. Scanner software or hardware updates during study performance:
3. Quality Assurance:
4. What measures of quality assurance were used?
	1. Noise:
	2. Patient movement:
	3. Distortions:
	4. Examination of images for gross anatomical abnormalities:
5. Imaging Paradigm:
6. Pulse sequence: [ ]  High resolution anatomical [ ]  Diffusion imaging [ ]  Other, specify
7. Imaging parameters:
	1. Repetition time (TR): (ms)
	2. Echo time (TE): (ms)
	3. Flip angle (FA): **°**
	4. Voxel size: (mm)
	5. Number of averages:
	6. Matrix size: (mm)
	7. Field of view: (mm2)
	8. Slice thickness: (mm)
	9. Number of slices:
	10. Gap between slices: (mm or %)
	11. Diffusion imaging:
		1. Number of diffusion directions:
		2. b-values:
		3. Diffusion imaging type: [ ]  DTI [ ]  DSI [ ]  DKI [ ]  Other, specify
8. Scan time duration: (minutes)
9. Preprocessing:
10. What format was the data exported from the scanner to local workstations/computers?
11. Was QA performed on the data for artifact detection (including movement) and potential exclusion of the subject data from analysis? [ ]  Yes [ ] No
12. Were there any corrections for artifact removal (ex. Eddy current correction)? [ ]  Yes [ ]  No
13. Describe pass criteria for motion:
14. Processing and Analysis:
15. Was a registration technique used to calculate the transformation to a standard average brain space

[ ]  Yes [ ]  No

* 1. Registeration technique used: [ ]  Linear [ ] Non-Linear
	2. Report the standard average brain used:
1. Reconstruction method used:
2. What processing tool(s)/package(s) type and version was used for analyzing the data? (Choose all that apply)

[ ]  FSL, Version

[ ]  SPM, Version

[ ]  FREESURFER, Version

[ ]  3D SLICER, Version

[ ]  TrackVis, Version

[ ]  Dipy, Version

[ ]  LC Model, Version

[ ]  Other specify, Version

1. Analysis approach:
	1. Morphometry: [ ]  Voxel Based Morphometry [ ]  Cortical Thickness [ ]  Cortical Surface Area [ ]  Shape Analysis [ ]  Volumetry [ ]  White Matter Lesions [ ]  Other, specify:
	2. Diffusion: [ ]  Probabilistic [ ]  Deterministic White Matter Tractography [ ]  Other, specify:
	3. DTI measures: [ ]  Fractional Anisotropy [ ]  Mean Diffusivity [ ] Radial Diffusivity [ ]  Axial Diffusivity [ ]  Other, specify:
2. Reporting:
3. Thickness measures/comparison results:
4. Volumetric measures/comparison results:
5. Surface area measures/comparison results:
6. Shape measures/comparison results:
7. Diffusion measures/comparison results:
8. White matter lesions: location, number and size
9. Indicate the p-values used for comparisons between cohorts or the group averages:
10. Describe the rationale for choosing the statistical thresholds for the results:
11. Describe the method chosen for multiple comparisons correction:
12. If applicable, indicate the coordinates of significant clusters [ ]  N/A
13. If applicable, indicate the size of the significant clusters: [ ]  N/A
14. If applicable, indicate the p-values used for any correlative analysis [ ]  N/A

## General Instructions

This CRF contains data that would be collected when an anatomical brain imaging study is performed.

Headache or migraine specific elements/measures that are not captured on this form but are important to the imaging analysis should be collected on other study-specific source documentation (e.g. Headache Diary, Concomitant Medications).

Important note: All elements on this CRF are considered Supplemental and should only be collected if the research team considers them appropriate for their study.

## Specific Instructions

Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module.

The CRF includes all instructions available for the data elements at this time.

* Date of scan – Record the date/time according to the ISO 8601, the International Standard for the representation of dates and times ([The International Organization of Standardization Homepage](http://www.iso.org/iso/home.html)). The date/time should be recorded to the level of granularity known (e.g., year, year and month, complete date plus hours and minutes, etc.).
* Magnet Strength – Choose one.
* Coil – Choose one.
* Name of the scanner manufacturer – Choose one.
* Number of different MRI scanners used – Report the number of different MRI scanners that were used for imaging participants during the study.
* What measures of quality assurance scans were used? – Examples include visual inspection by radiologist/ radiology technician.
* Patient movement – Report the technique used for measuring head movement in the scanner .
* Distortions – Report the technique used to detect distortions within MR images.
* Examination of images for gross anatomical abnormalities – Report the technique used for detecting gross anatomical abnormalities (e.g. images inspected by neuroradiologist).
* Pulse sequence – No additional instructions.
* Imaging parameters – No additional instructions.
* Scan time duration – No additional instructions.
* What format was the data exported from the scanner to local workstations/computers? – No additional instructions.
* Was QA performed on the data for artifact detection and potential exclusion of the subject data from analysis? – No additional instructions.
* Were there any corrections for artifact removal (ex. Eddy current correction)? – No additional instructions.
* Describe pass criteria for motion – Describe parameters for excluding patient data due to excessive head movement.
* Was a registration technique used to calculate the transformation to a standard average brain space? –No additional instructions.
	+ Registration technique used – Choose all that apply.
	+ Report the standard average brain used – No additional instructions.
* Reconstruction method used – No additional instructions
* Processing –What processing tool(s)/package(s) type and version was used for analyzing the data? –Choose all that apply
* Analysis approach – No additional instructions
* Thickness measures/comparison results – No additional instructions
* Volumetric measures/comparison results – No additional instructions
* Surface area measures/ comparison results –No additional instructions
* Shape measures/comparison results – No additional instructions
* Diffusion measures/comparison results – No additional instructions
* White matter lesions: locations, number and size – No additional instructions
* Indicate the p-values used for comparisons between cohorts or the group averages – No additional instructions
* Describe the rationale for choosing the thresholds for thresholding the results – No additional instructions
* Describe the method chosen for correcting for multiple comparisons – No additional instructions
* If applicable, indicate the coordinate of significant clusters – If not applicable, select ‘N/A’
* If applicable, indicate the size of significant clusters – If not applicable, select ‘N/A’
* If applicable, indicate the p-values used for any correlative analysis – If not applicable, select ‘N/A’