MRI data sharing guide



Start here if you have identifiable data: raw MRI data (image data, not k-space data) either with or without other data (behavior, demographic, EEG, other timepoints, etc.) NO Have you asked your participants for informed consent or are you still able to do so? YES 1. Ask for **informed consent** to share the MRI and 2. Pseudonymize your data: **Deidentify the MRI data** Individual-level MRI data (spatially normalized possibly other data that may be identifiable after (deface MRI data, remove identifiable information, pseudonymization. Use **data sharing agreements** etc.), randomize the participant codes and anonymize to share data outside of your institute. possible other data as much as possible. Can your spatially normalized MRI data be After pseudonymization, individual cases are still identifiable (e.g., extreme cases, patient data, lack of randomization, etc.) considered anonymous? i.e. randomized participant codes, I AM NOT SURE YES no accompanying identifiable data, NO no extreme cases or patients, etc. NO Group-level MRI data (second-level) I AM NOT SURE YES

Talk with a data protection officer, information manager or trial officer at your institute

Share raw MRI data

You can share your data publicly, but only if you are certain that they are unidentifiable.

Platforms

- <u>Openneuro</u> [please note: USA-based and always public + not for archiving] ~ risky
- Open Science Framework: max. 5 GB per file (zip per participant)

Institute-specific (NL):

- DANS EASY: max. 50 GB
- DataverseNL: belongs to publication, max. 10GB when zipped
- · XNAT
- Omero
- Case by case: <u>SURFdrive</u> / <u>SURF filesender</u> / SURF research drive

Always talk with a data protection officer, trial officer or information manager when in doubt!

Share raw MRI data with access restrictions

You can share your data, but you have to take confidentiality into account, e.g. by granting access after:

- signing a data sharing agreement
- accepting a research proposa
- a request in a repositor

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Share spatially normalized data

You can share your spatially normalized data, as long as they can be considered anonymous. Also consider adding details about the preprocessing pipeline and software used and think about how useful these data would be for other researchers.

Platforms:

- Open Science Framework: max. 5 GB per file (zip per participant)
- NeuroVault: allows adding subject-specific images

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Share group-level MRI data

You can share group data publicly, since they can never be traced to an individual participant

Platforms

- NeuroVault
- Open Science Framework: max. 5 GB per file (zip per participant)

Institute-specific (NL):

- <u>DataverseNL</u>: belongs to publication, max. 10GB when zipped
- DANS EASY: max. 50 GB
- SURF research drive
- Case by case: <u>SURFdrive</u> / <u>SURF</u> filesender / SURF research drive

Always talk with a data protection officer, rial officer or information manager when n doubt!



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