

What is the Anonymised Database?

The Anonymised Database is a secure IT environment that can be accessed by AI Centre Partners. AI Centre Partners are organisations that have signed up to the terms of the King's College London AI Centre via overarching contracts. The Anonymised Database contains anonymised images, and image related clinical reports, that can be used to develop prototype software that utilises advanced imaging and artificial intelligence to deliver improved healthcare. Example research areas include risk factors, patterns of health care use, predictors of good or poor outcomes for specific conditions.

Who can access the Anonymised Database?

Projects must:

- ✓ Only plan to use anonymised images, and image related clinical reports derived from the picture archiving and communication system (PACS) and electronic patient records (EPR).
- ✓ Have meaningful input from patient and public involvement.
- ✓ Plan to develop Artificial Intelligence.
- ✓ Have a scientific peer review that considers potential negative bias.
- ✓ Have an Academic Lead and a Clinical Lead.
- ✓ Intend to use XNAT and Cogstack software to anonymise the dataset.
- ✓ Agree to keep a Data Access Log and a Site File, which may be audited by the Data Review Committee.
- ✓ Contain researchers who:
 - Are employed by an AI Centre Partner.
 - Have an honorary, substantive or visiting contract with King's College London.
 - Have completed and can provide evidence of up-to-date Good Clinical Practice training.

Please note: as projects utilise central shared resources they will be given appropriate priority in order to ensure equitable access and the Centre achieves its aims in facilitating clinical pathway transformation.

How can I access the Anonymised Database?

1. Projects must complete:
 - A Project Initiation Document (specifying the details of the project, resources, patient and public involvement, and scientific peer review).
 - A Data Flow document (specifying the desired dataset).
 - A Data Protection Impact Assessment.
2. These three documents are reviewed by a Data Review Committee, which includes strong lay membership, who decide whether the project can go ahead. In the event that there are any concerns this will be fed back to the project team for review and re-submission, if appropriate, to the Committee.
3. The project is submitted to the Centre Management Committee for an Executive vote.
4. The Project Initiation Document is reviewed and signed by the Project Owner and the relevant Trust(s).
5. Fully approved projects are submitted to the relevant Trust(s) Clinical Data Engineer who will send a copy of the dataset through the anonymisation pipeline into the Anonymised Database. Only data that can be effectively anonymised will be accepted into the Anonymised Database.
6. The Database Administrator sets up the user access account, which will allow researchers to access the approved dataset for the duration of the project.

What data can be accessed?

Image data with associated clinical reports are available from NHS Trusts, such as Guy's and St Thomas' Hospital and King's College Hospital. For approved projects, the dataset is copied and anonymised within the Trust, and then transferred to the Anonymised Database.