Audit of ED wait time breach outliers

Administrative Information

- CMVM - Usher Institute

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Data Collection

This project will primarily involve the collection of hospital administrative data from from individual NHS trusts

- Data will be collected by hospital administrators updating an online form once a month
- Requested data will be provide information on the total amount of ED visits, 4hr wait time breaches, and admission
    - This will be crude, aggregate data, and will therefore not contain any patient identifiers
- Data will be stored in .csv format
- The volume of data is expected to be less than 100mb

Documentation & Metadata

- Data will be stored and described according to The FAIR guidelines (findable, accessible, interoperable, and reusable)
- A data dictionary will be developed to ensure data consistency and usability across its lifecycle. This will be stored together wit the RawData

Ethics & Legal Compliance

Data will be processed according to the Data Protection Act 2018 (DPA2018)

Storage and Back-Up

Data will be stored in the UoE's DataStore facility.

DataStore provides enterprise-class storage with guaranteed backup and resilience. Data is retained on DataStore until deletion by the data owner. The backups provide resilience in the case of accidental deletion and against incidents affecting the main DataStore storage. The data are automatically replicated to an off-site disaster recovery facility, with 10 days of file history visible online. Off-site tape backups keep 60 days of history of the filesystem. The 60 day rolling snapshots allow important data to be recovered to a prior state, by request if beyond the visible period.

Sensitive data stored on DataStore will be further protected by the use of 256 bit encryption as required by University policy

Selection and Preservation

The aggregate data will deposited and stored without time limit, on the UoE DataShare research data repository.

Raw data, R and Python scripts, along with summative reports will be stored

Data Sharing

- Yes: go to 12

Aata will be made available to internal and external researchers where they can demonstrate adequate training and expertise, have provided a research protocol and they have the required ethical and privacy permissions in place.

Responsibilities & Resources

The project lead (Student B203349) will be responsible for the research data management of this project.

The research lead is currently undergoing RDM training