Plan Overview

A Data Management Plan created using DMPonline

Title: Very Smart Cancer RATs - Phase 1

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Project abstract:

Our aim is to computer-aided risk tools that improve patient safety within primary care. Our objectives begin to address the research question by providing pilot case studies of implementing computer-aided risk tools in primary care: Delivering a computer-aided risk tool intervention for polypharmacy in primary care (Safe Use of Med theme) – April 2019; Delivering a computer-aided risk tool intervention for cancer in primary care, for a clinical trial (ERICA) – June 2019; A literature review of computer-aided decision support systems in primary care – Aug 2019.

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Copyright information:

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Very Smart Cancer RATs - Phase 1

Data Collection

What data will you collect or create?

PDF files of research publically-available research articles.
PDF files offer a ubiquitous format that can be handled by many software. The count of research articles that will be collected is unknown before the review is conducted but it not likely to be greater than 100, and far less than 500 MB of storage.

Meta-data relating to the collated research articles
Information extracted from the research articles will be tabulated in one page of a spreadsheet using Microsot Excel. File size is not likely to exceed double figures of MBs.

How will the data be collected or created?

PDF files of research publically-available research articles.
Research articles will be sourced from online databases or libraries. Physical articles will be scanned and saved as PDF files.

Meta-data relating to the collated research articles
THe principal investigator will extract meta-data via a literature review.

Documentation and Metadata

What documentation and metadata will accompany the data?

The search strategy used for the litature review will be recorded in a spreadsheet using Microsoft Excel. This will provide meta-data explaining how the research articles were found.
A single TXT file will be provided to provide a one-line description of:
- The review's search strategy;
- The contents of the review-data table;

Ethics and Legal Compliance

How will you manage any ethical issues?

The proposed work was not considered research by the Health Research Authority decision tool

(http://www.hra-decisiontools.org.uk/research/) nor by Integrated Research Application System. Approval from an ethical review board was not required because no participants or participant data will be reviewed. All research articles for the literature review are publically available. Ethical issues are not expected to arise.

Should they arise, they will be escalated through the University via standard pathways, i.e. to line manager and School Research Ethics Committee.

How will you manage copyright and Intellectual Property Rights (IPR) issues?

All research articles for the literature review are publically available. Copyright and Intellectual-Property-Rights issues are not expected to arise. Should any publication of the proposed work make use of material from the review research articles, express permission will be sought from the copyright owners.

Storage and Backup

How will the data be stored and backed up during the research?

All data will be stored on the university's network drive in the principal investigator's user folder. The university's network is backed up more than weekly.

The project files will also be stored on the university's Microsoft's OneDrive system, to provide an additional and off-site back up.

How will you manage access and security?

Access to the principal investigator's user folder will only be possible via a password protected machines directly connected to the university's network. Access to the aforementioned OneDrive will only be possible via a password protected login to the webservice.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

None of the data has long-term value and so will not be retained for longer than the life of the research centre for which the project is being undertaken (details in the next section).

What is the long-term preservation plan for the dataset?

All files relating to the literature review will be stored in the principal investigator's user folder on the university's network until the end of his current contract (2022). The files will then be stored on the

network of the Bradford Institute for Health Research, as hosts of the Yorkshire and Humber Patient Safety and Translational Research Centre (PSTRC). The PSTRC is the centre for which this research is being done. The files will be destroyed upon completion of the the PSTRC.

Research data associated with publications will be stored will the publications in the relevant repository associated with the publisher for however long the publisher deems suitable.

Data Sharing

How will you share the data?

Data will only be shared as supplementary material via publication. No other data is being collected.

Are any restrictions on data sharing required?

No.

Responsibilities and Resources

Who will be responsible for data management?

The principal investigator.

What resources will you require to deliver your plan?

The existing network infrastructure of the university and research centre.