Plan Overview

A Data Management Plan created using DMPonline

Title: User Trials of Standardised Interoperable COVID-19 Certificates

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Project abstract:
A digital passport containing individual's Covid credentials is seen as a key intergradient to alleviate the social and economic damage caused by Covid, and to allow everyone to return to a normal life sooner, and in a well-managed manner that will prevent the need of a second lockdown. A proof-of-concept (POC) based on FIDO (Fast IDentity Online) and W3C (World Wide Web Consortium) and tested in 2017 with a handful of NHS patients who all provided positive feedback (https://kar.kent.ac.uk/80304/). This project will convert the original POC into an operational prototype by integrating it with several Kent NHS COVID-19 test centres, test it in operational environments, compare its TCO (Total Cost of Ownership) with other COVID-19 certificate eco-systems, and facilitate interworking with them. Other goals include adherence to international open standards for privacy, social inclusion, and a strong connection to national public health policies. Some of the data captured could gauge herd immunity, inform vaccine trials and assess the accuracy of Covid and antibody tests. This work here could potentially have a huge impact in stopping us from entering a second lockdown, and to be more prepared for a future pandemic. The challenge is to design a Covid credential infrastructure that will facilitate these future work.

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Copyright information:

User Trials of Standardised Interoperable COVID-19 Certificates

Manchester Data Management Outline

1. Will this project be reviewed by any of the following bodies (please select all that apply)?

- Funder

2. Is The University of Manchester collaborating with other institutions on this project?

- Yes - Part of a collaboration and not handling data

3. What data will you use in this project (please select all that apply)?

- Generate textual supporting information only

The UoM contribution to the project is on framework design and models review. These works do not require real personal data. Any references to personal record will be based on simulated data only.

4. Where will the data be stored and backed-up during the project lifetime?

- Other storage system (please list below)

There will NOT be any real person data. Any simulated data will be stored on local hard disk, dropboxes, and research drive.

5. If you will be using Research Data Storage, how much storage will you require?

- 1 - 8 TB

6. Are you going to be working with a 3rd party data provider?

- No

Real person data is not key to the UoM's contribution to this project.

7. How long do you intend to keep your data for after the end of your project (in years)?

- 0-4 years

Questions about personal information

Personal information, also known as personal data, relates to identifiable living individuals. Special category personal data is more sensitive information such as medical records, ethnic background, religious beliefs, political opinions, sexual orientation and criminal convictions or offences information. If you are not using personal data then you can skip the rest of this section.

Please note that in line with data protection law (the General Data Protection Regulation and Data Protection Act 2018), personal information should only be stored in an identifiable form for as long as is necessary for the project; it should be pseudonymised (partially de-identified) and/or anonymised (completely de—identified) as soon as practically possible. You must obtain the appropriate ethical approval in order to use identifiable personal data.

8. What type of personal information will you be processing (please select all that apply)?

- No sensitive or personal data

9. Please briefly outline how you plan to store, protect and ensure confidentiality of the participants' information.

We will have no access to real person data.

10. If you are storing personal information (including contact details) will you need to keep it beyond the end of the project?

- Not applicable

11. Will the participants' information (personal and/or sensitive) be shared with or accessed by anyone outside of the University of Manchester?

- Not applicable

12. If you will be sharing personal information outside of the University of Manchester will the individual or organisation you are sharing with be outside the EEA?

- Not applicable

13. Are you planning to use the personal information for future purposes such as research?

- No

14. Who will act as the data custodian or information asset owner for this study?

The PI will be responsible for keep the data (all non personal)

15. Please provide the date on which this plan was last reviewed (dd/mm/yyyy).

2020-05-06

0. Proposal name

0. Enter the proposal name

User Trials of Standardised Interoperable COVID-19 Certificates

1. Description of the data

1.1 Type of study

Simulated data about individual's covid credentials such as covid test result, antibody test results and vaccination record. Some made up personal details such as name, age, gender, and ethnicity.

1.2 Types of data

Made up covid19 medical record of faked individuals.

1.3 Format and scale of the data

enough to build the software and to examine its provision.

2. Data collection / generation

2.1 Methodologies for data collection / generation

There is no real data in UoM's contribution.

2.2 Data quality and standards

Not applicable

3. Data management, documentation and curation

3.1 Managing, storing and curating data

Not applicable

3.2 Metadata standards and data documentation

Not applicable

3.3 Data preservation strategy and standards

Not applicable

4. Data security and confidentiality of potentially disclosive information

4.1 Formal information/data security standards

Not applicable

4.2 Main risks to data security

Not applicable

5. Data sharing and access

5.1 Suitability for sharing

Not applicable

5.2 Discovery by potential users of the research/innovation data

Not applicable

5.3 Governance of access

Not applicable

5.4 The study team's exclusive use of the data

Not applicable

5.5 Restrictions or delays to sharing, with planned actions to limit such restrictions

Not applicable

5.6 Regulation of responsibilities of users

Not applicable

6. Responsibilities

6. Responsibilities

Not applicable

7. Relevant policies

7. Relevant institutional, departmental or study policies on data sharing and data security

Policy	URL or Reference
Data Management Policy & Procedures	Not applicable
Data Security Policy	Not applicable
Data Sharing Policy	Not applicable
Institutional Information Policy	Not applicable
Other	
Other	

8. Author and contact details

8. Author of this Data Management Plan (Name) and, if different to that of the Principal Investigator, their telephone & email contact details

Ser-Huang Poon (Professor, Alliance Manchester Business School, University of Manchester) is responsible for the work to be delivered by UoM. This part of the work does not involve real person data.

The other part of the research is delivered by Professor David Chadwick (Professor of Information Systems Security, University of Kent). The focus of this work is on information system design.