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# User Trials of Standardised Interoperable COVID-19 Certificates

*A Data Management Plan created using DMPonline*

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**Funder:** UK Research and Innovation (UKRI)

**Template:** UKRI Template Customised By: University of Manchester

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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.

**Last modified:** 19-05-2020

## **Copyright information:**

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## Manchester Data Management Outline

- Funder
- Yes - Part of a collaboration and not handling data
- 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.

- 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.

- 1 - 8 TB
- No

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

- 0-4 years
- No sensitive or personal data

We will have no access to real person data.

- Not applicable
- Not applicable
- Not applicable
- No

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

2020-05-06

## 0. Proposal name

User Trials of Standardised Interoperable COVID-19 Certificates

## 1. Description of the data

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.

Made up covid19 medical record of faked individuals.

enough to build the software and to examine its provision.

## **2. Data collection / generation**

There is no real data in UoM's contribution.

Not applicable

## **3. Data management, documentation and curation**

Not applicable

Not applicable

Not applicable

## **4. Data security and confidentiality of potentially disclosive information**

Not applicable

Not applicable

## **5. Data sharing and access**

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

## 6. Responsibilities

Not applicable

## 7. Relevant policies

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

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.