

UK Longitudinal Linkage Collaboration (UK LLC): The national Trusted Research Environment for data linkage in longitudinal research



Stela McLachlan¹, Katharine Evans², Rebecca Whitehorn¹, Rachel Calkin², Emma Turner², Jacqueline Oakley², Andy Boyd², Robin Flaig¹

¹ UK Longitudinal Linkage Collaboration, Usher Institute, University of Edinburgh;
² UK Longitudinal Linkage Collaboration, Population Health Sciences, University of Bristol.

UK Longitudinal Population Studies (LPS)

A unique UK scientific tradition and resource

Participants are selected by shared characteristics

Participants followed up and observed repeatedly over time

Participants provide data within a consented relationship

300+ LPS; >5 million UK residents

Unparalleled depth and diversity of data collection

UK Longitudinal Linkage Collaboration

Trusted Research Environment

(data linkage as a service)

>20 LPS & >400,000 participants

Interdisciplinary & four nations follow up

NHS records

NHS England linked
NHS Wales linked
NHS Scotland Approved
HSC NI pending

Socio-economic records

Permissions agreed and linkage being developed

Environmental, neighbourhood and property data

Powered by: **SeRP** | UK

FREE TO USE

- De-identified data
- Free to ONS accredited UK-based researchers
- Access based on Five Safes model
- Public good with public review
- Requirements for reproducible research
- Data Access Agreement with all institutions

Accredited by:

ISO27001 Certified:

Approved by:
NHS Digital Data Security & Protection Toolkit
org code: EE133799-LLC

Public involvement throughout our design & decision making

Application & Review Process

Stage 1: Expression of interest

REVIEW: Applicant UK-based
Project: scientifically sound, data available, public good

Stage 2: Full application

REVIEW: Five Safes access model
ONS accredited
Organisational Information Security evidence: ISO, DSPT, SLSP

Stage 3: Present to public

REVIEW: Longitudinal Population Studies Data Access Committees
Data Access Public Review
Linked Data Review

Stage 4: Administrative data

ONS Research Accreditation Panel

Contracts

Data Access Agreement
Data User Responsibility Agreement

Data provision

Data provisioned in the TRE

Partner LPS:

Our thanks to all the participants and staff in our contributing Longitudinal Population Studies and our NHS, Office for National Statistics and wider UK Government data providers.

Led by:

In partnership with:

Funded by:

Co-developed with our partner studies (Principal Investigators and Data Managers).

or email info@ukllc.ac.uk to join our mailing list

Find us at:

<https://ukllc.ac.uk/>

linkedin.com/company/ukllc/

github.com/UKLLC

Apply: <https://apply.ukllc.ac.uk/>
Explore data: <https://explore.ukllc.ac.uk/>
Data Documentation: <https://guidebook.ukllc.ac.uk/>