

# CLOSER – UK LLC webinar : a step- by- step guide to applying and accessing linked data in the UK LLC Trusted Research Environment

## Introduction

Robin Flaig  
Deputy Director  
5 April 2022

# AGENDA



Introduction  
Application process  
Data Request

Robin Flaig  
Stela McLachlan  
Sammy Berman

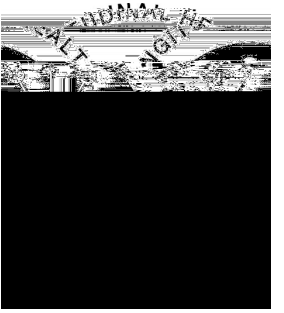
Break for questions

Data Access  
Public Involvement  
Legal Documentation

Rich Thomas  
Kirsteen Campbell



# UK Longitudinal Linkage Collaboration



A four -nations infrastructure for secure cross -cohort analysis

Align complex and divergent governance frameworks into a streamlined and predictable linkage/access route

Develop a sustainable four -nations data science infrastructure

A new way of working for record linkage

Watch our animation: <https://youtu.be/zFkvpKD3jvs>

UK LLC Design Decisions:

Interdisciplinary

Four nations approach

Pre -pandemic & pandemic data

Trusted Research Environment

Five Safes access model

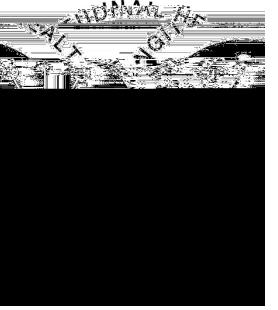
De -personalised data only

Distributed governance

Transparent in its operations

Public Involvement programme

# A globally unique cross-cutting resource



## 20+ Longitudinal Population Studies

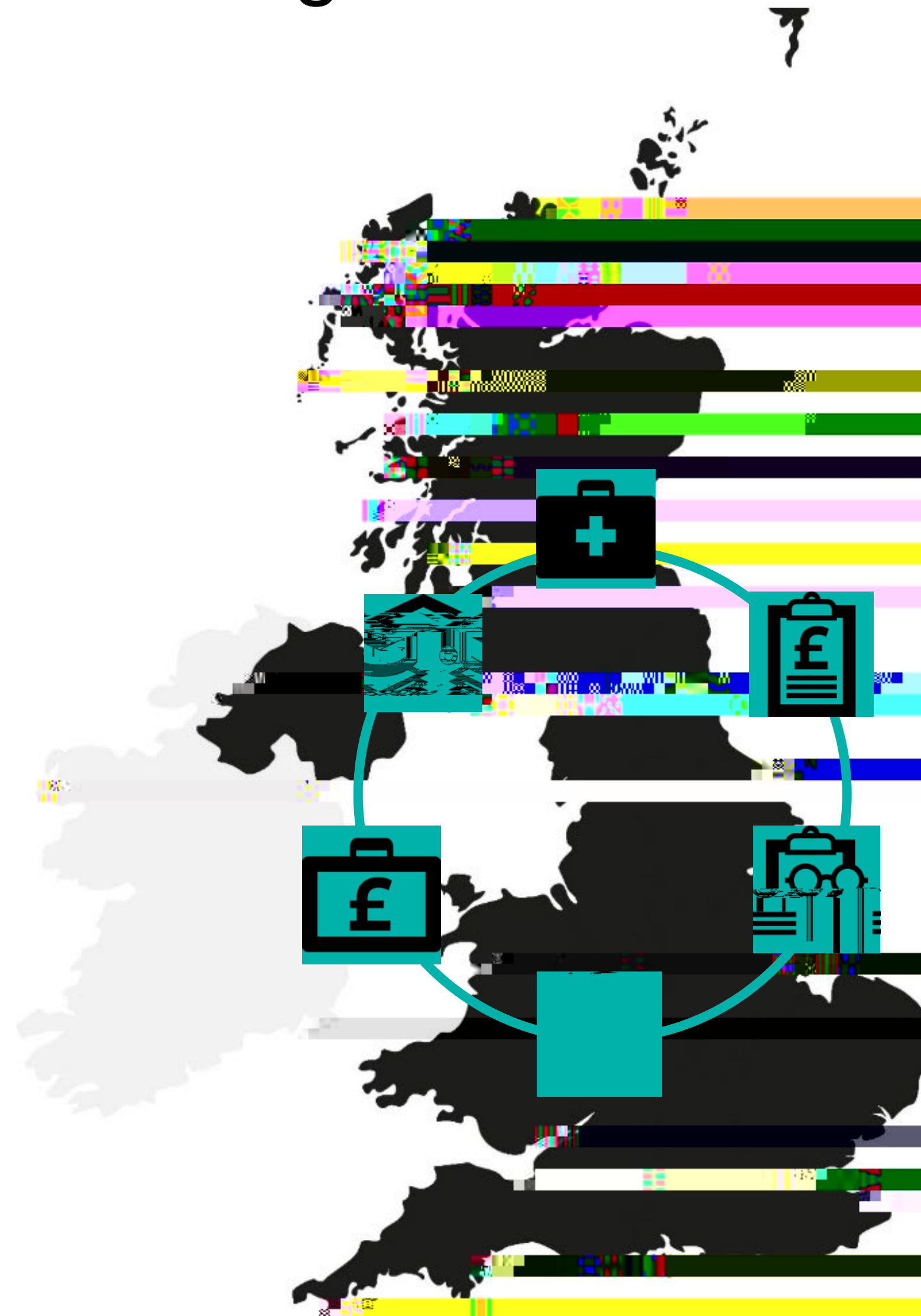
- COVID -19 collections (Questionnaires, Serology)
- SES & demographic
- Baseline physical & mental health
- Baseline family, SES and life-course indicators
- Genetics

## NHS COVID -19 datasets

- GP Data
- Vaccinations
- COVID -19 test data (Pillar 1 -3)
- Accident & Emergency
- CHES

## Wider NHS datasets

- Hospital Inpatient data
- Cancer & mortality registers
- Community Mental Health (MHSDS, IAPT)
- Prescribing data



## Administrative records

- HMRC
  - DWP
  - DfE
- } Negotiating data access

## Environmental & neighbourhood

- Air pollution
  - Noise
  - Greenspace
  - SES & demographic
  - Service provision
- } Being modelled

# Public Involvement

4 touchpoints for involving study participants and members of the public:

Strategic Advisory Committee

Data Access Public Review Panel

Public Advisory Group

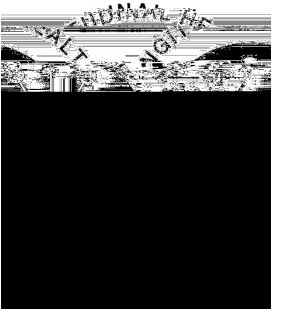
Public Involvement Network.4164 699.6</M2







# Linked Data – currently available



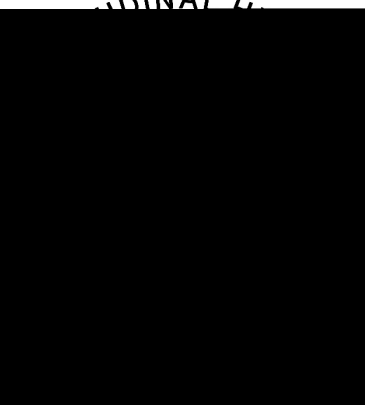
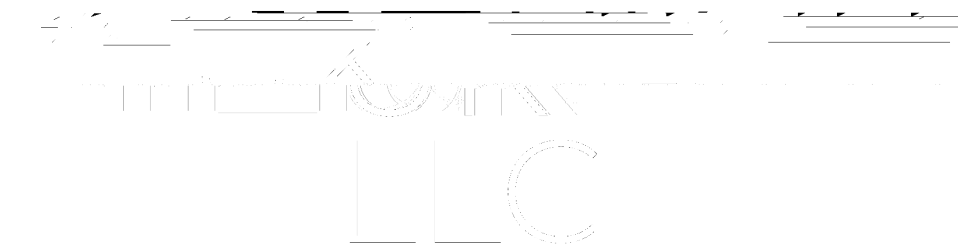
## NHS Digital

- Primary Care GPES: Data for Pandemic Planning and Research
- COVID-19 Vaccination Status & COVID-19 Adverse Reaction
- NPex (pillar 2) Mental Health Services Data Set
- Medicines Dispensed in Primary Care (NHSBSA data)
- Hospital Episode Statistics: Admitted Patient Care, Critical Care, Outpatients, A&E
- Demographics data set
- COVID-19 SARI-Watch (formerly CHES) COVID-19
- Second Generation Surveillance System (Pillars 1 & 2)
- COVID-19 UK Non-hospital Antibody Testing Results (Pillar 3) Civil Registration – Deaths (England & Wales)
- Cancer Registration Data (England & Wales)

## Generation Scotland

- PHS - NHS Vaccination data
- Electronic Communication of Surveillance in Scotland - testing
- PHS - NHS Prescription data
- PHS - Acute Inpatient and Day Case
- Civil Registration - Deaths

# UK LLC Trusted Research Environment (TRE)

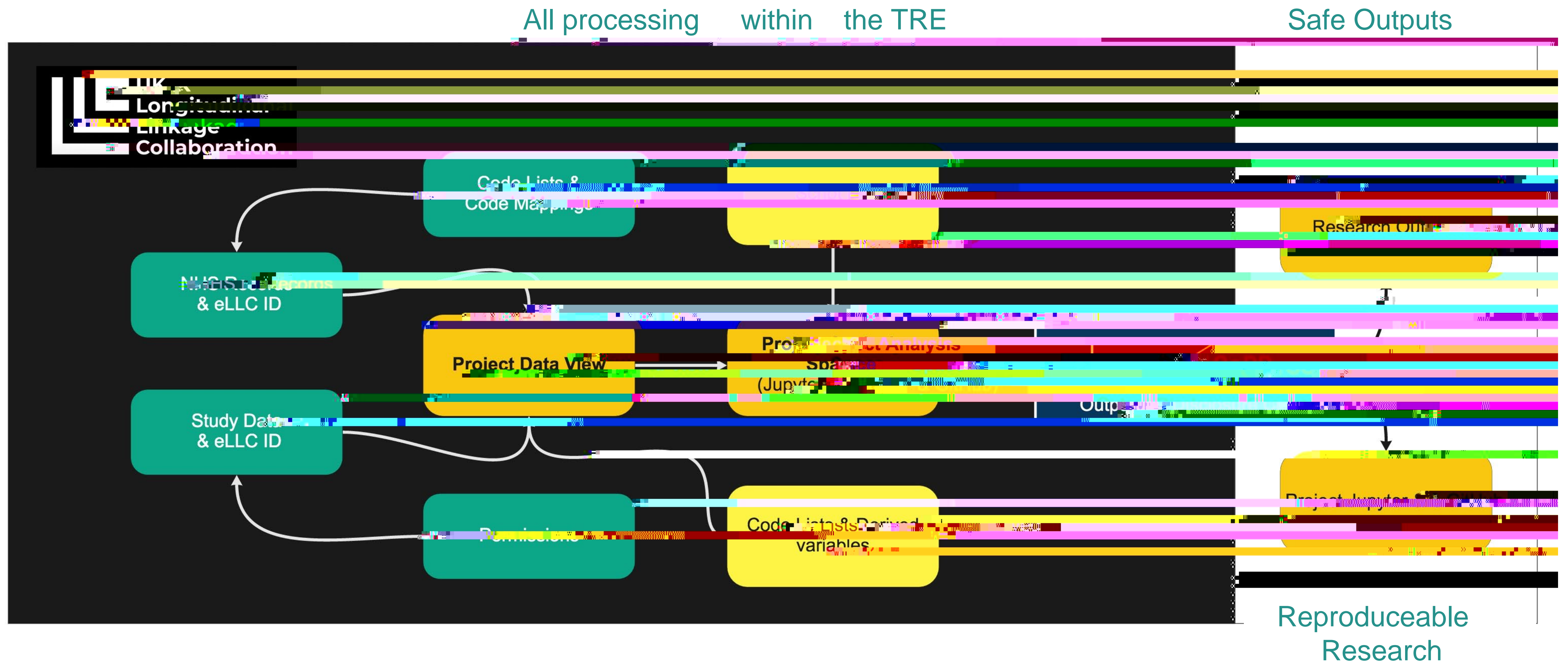
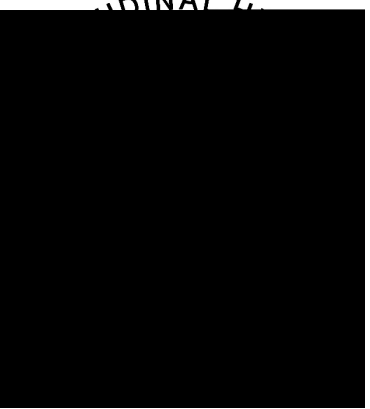




# UK LLC Access – after approval

- Each research institution must sign the Data Access Agreement (DAA) and have IG covered
- Each researcher must sign a Data User 6273-0.7 (i)-1 (on )Art5..9670 c0.6 (ra )]TJ g-0.7

# User experience & reproducible research



# Future plans

User experience & reproducible research

Enhance with administrative records

Efficient and predictable data access for analysts