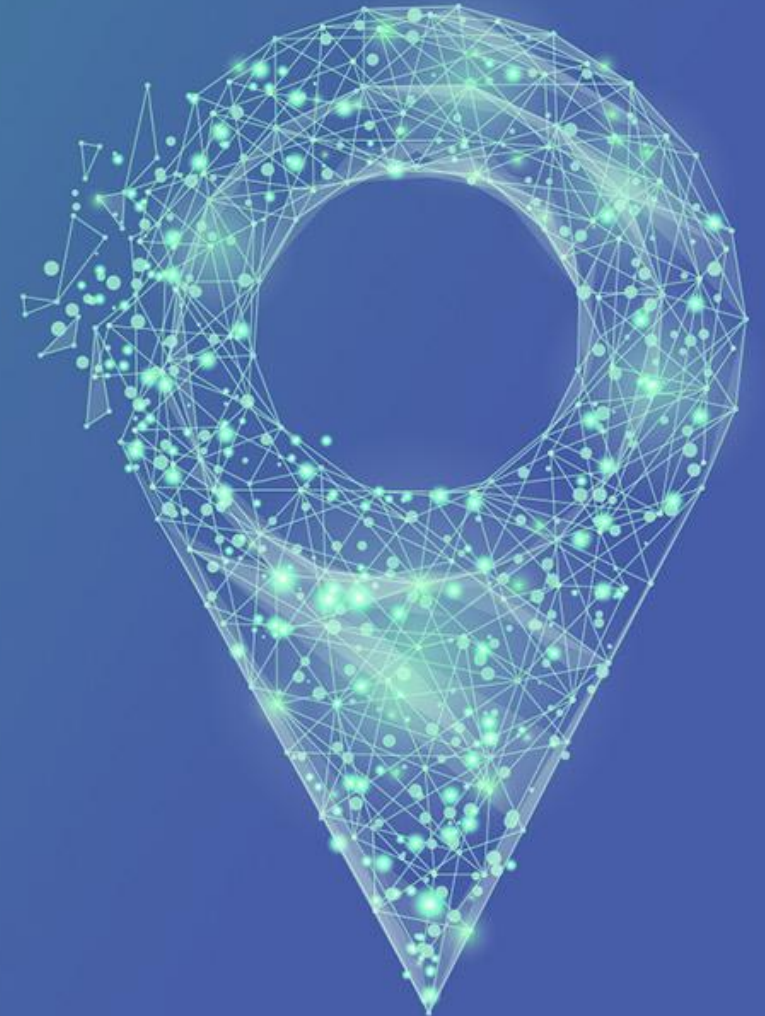


HDRUK
Health Data Research UK



OHDSI UK

Alex Knight



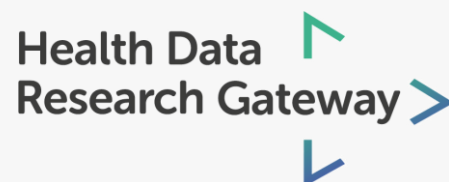
UK OMOP Landscape – some of the players



UK's research institute for health data



117+ UK organisations in health data



Central repository of metadata

Universities



Oxford Health Data Sciences



University of Dundee

Health Informatics Centre



University of Nottingham
UK | CHINA | MALAYSIA

Carrot

Data Custodians



NHS England SDE Network

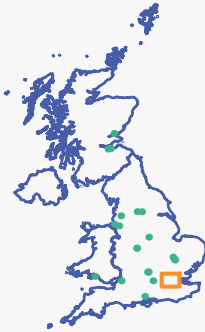


Public Health Scotland

HDR UK and OHDSI UK



- Data standards white paper recommends OMOP adoption
- CO-CONNECT project, which creates Gateway and Carrot tools, completed
- EHDEN call #7 recruits 5 new UK data partners
- OHDSI UK established
- OMOP SIG inaugurated
- NHSE SDE Network Adopts OMOP
- Preliminary results of OMOP Survey
- Real World Evidence Network Established
- OHDSI UK 2024
- RWE Data Partners selected
- OHDSI UK 2025
- HERON-UK Phase 2



HERON-UK Data network

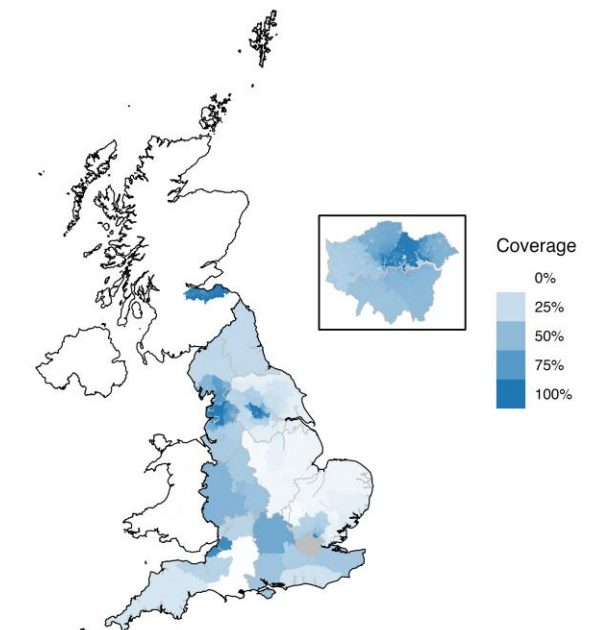
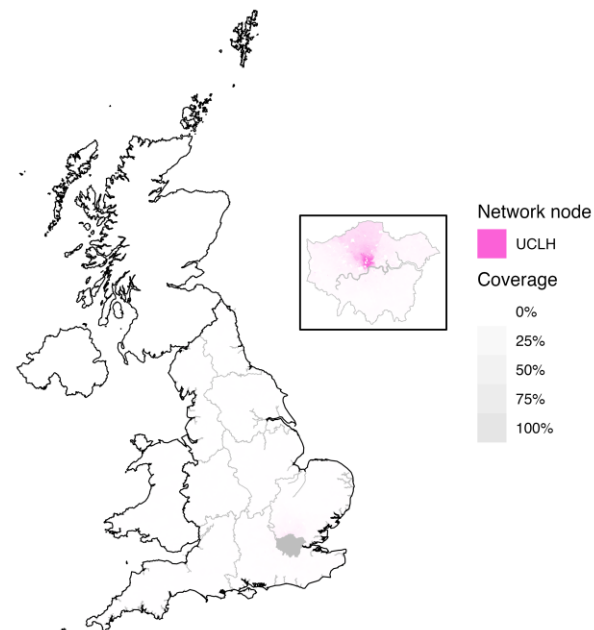
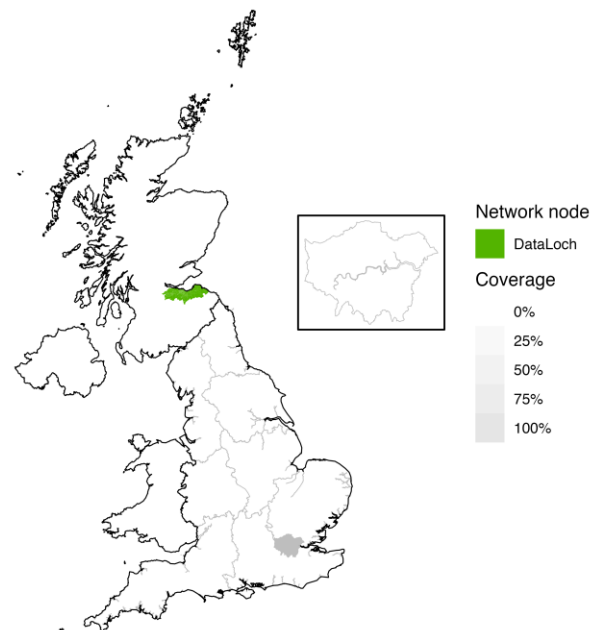
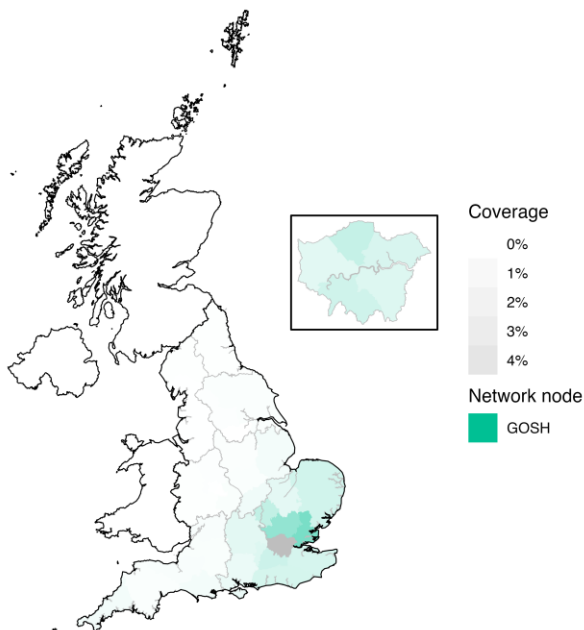
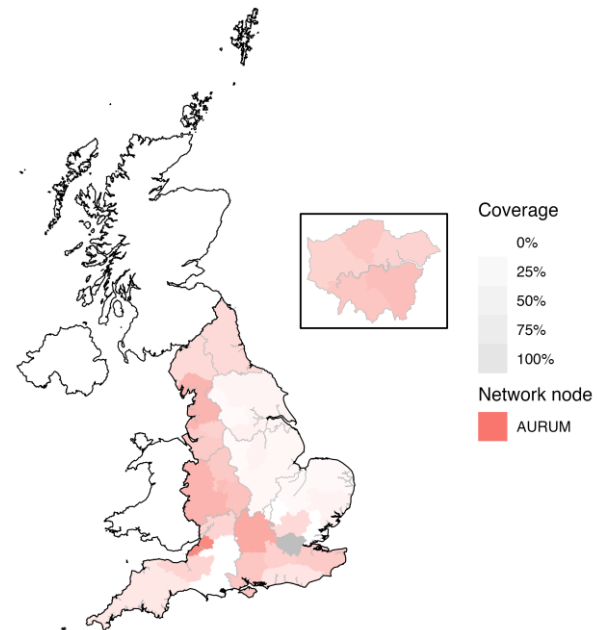
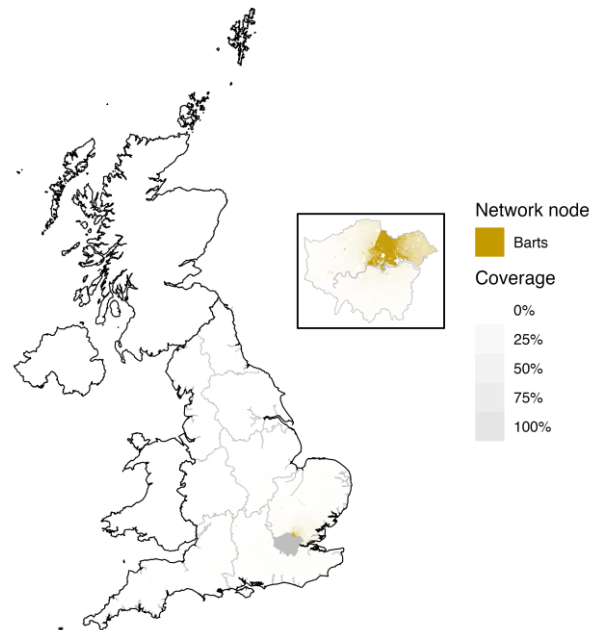
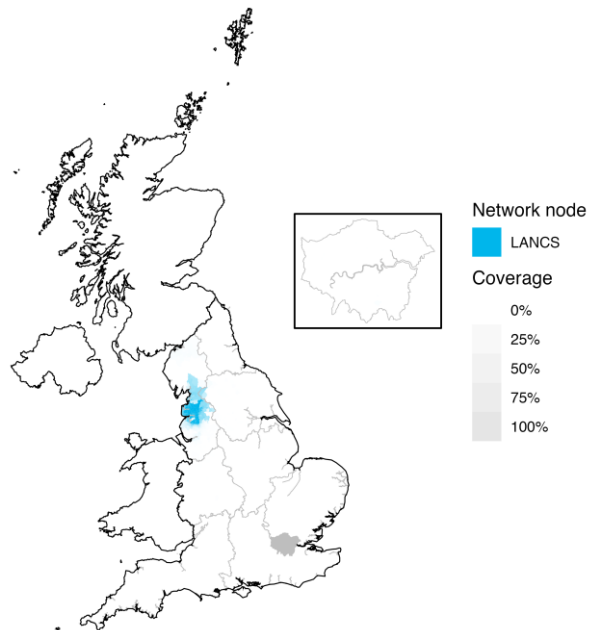
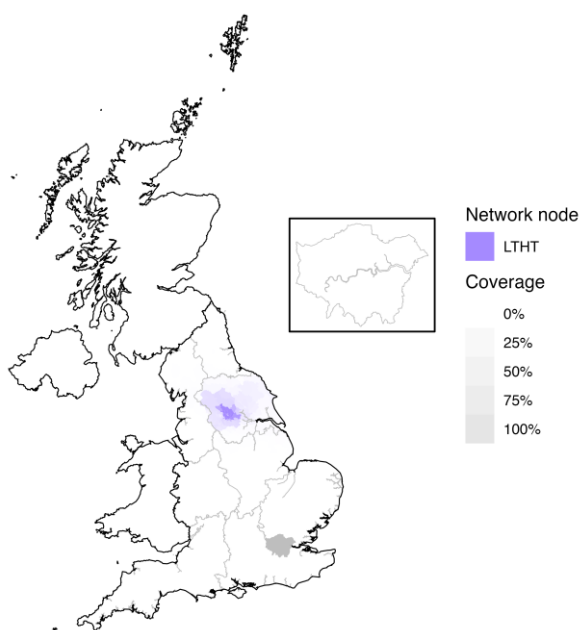
Data Partners



- Across the HERON-UK network*:
- 850 million condition occurrence records
 - 1.7 billion drug exposure records
 - 1.3 billion procedure occurrence records

	Population
CPRD AURUM	49,359,991
Barts Health	3,212,801
Lancashire Teaching Hospitals	1,533,222
University College London Hospitals	1,379,618
Great Ormond Street Hospital for Children	204,159
The Leeds teaching hospitals	1,475,561
DataLoch NHS Lothian	413,971
HERON-UK	57,579,323*

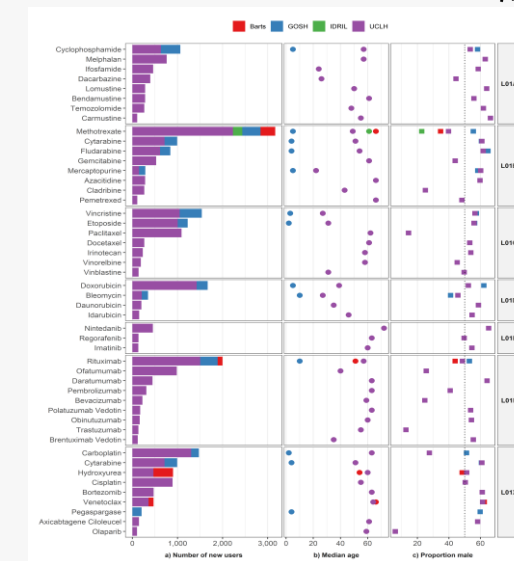
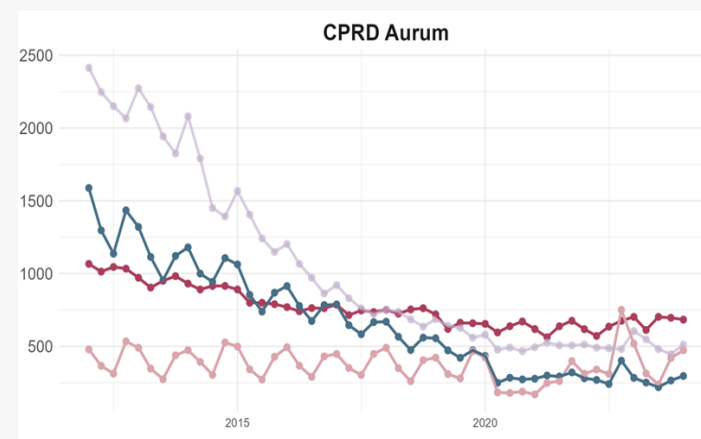
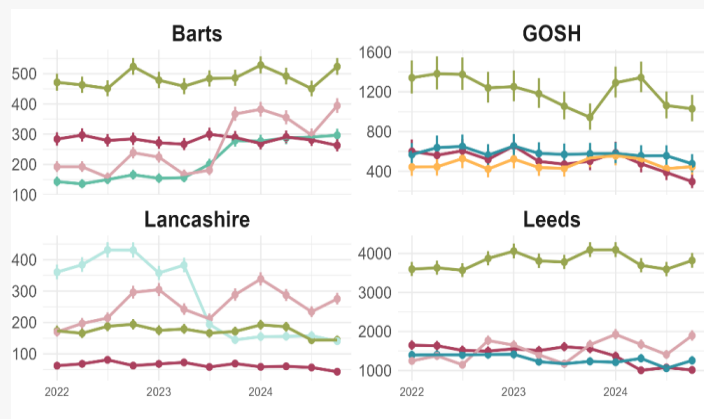
*Overlap between patients in English hospital data and CPRD Aurum expected



HERON UK Network Studies (Year 1)



HDRUK
Health Data Research UK



• Study 1: Antibiotics

- Aim: Describe the use of high-cost medicines in English NHS secondary care settings and characterise the patients receiving them.
- Major concerns regarding the risk of antimicrobial resistance (AMR) through the inappropriate use of antibiotics.
- The WHO AWaRE Classification of Antibiotics classifies antibiotics into three categories; Access (low resistance potential), Watch (high resistance potential), Reserve (last resort options)

• Study 2: High-Cost Medicines

- Aim: Describe and compare prescribing patterns, indications, and patient characteristics of Watch antibiotics across primary and secondary care settings in the UK.
- Some medicines are notable for their disproportionately high cost, with many of these expensive medicines given in secondary care.
- In the English National Health Service (NHS) high-cost medicines are excluded from national prices.

WG1: Data Network



CPRD

NHS
Barts Health
NHS Trust



DataLoch

NHS
The Leeds
Teaching Hospitals
NHS Trust



NHS

**Great Ormond Street
Hospital for Children**
NHS Foundation Trust

NHS
Lancashire Teaching
Hospitals
NHS Foundation Trust

NHS

University College London Hospitals
NHS Foundation Trust



WG2: Network Studies

1. Cardiovascular disease



**British Heart Foundation
Data Science Centre**

Led by Health Data Research UK

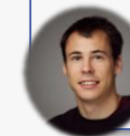
WG4: Network Sustainability

- Oversight
- Framework for external studies
- Partnerships



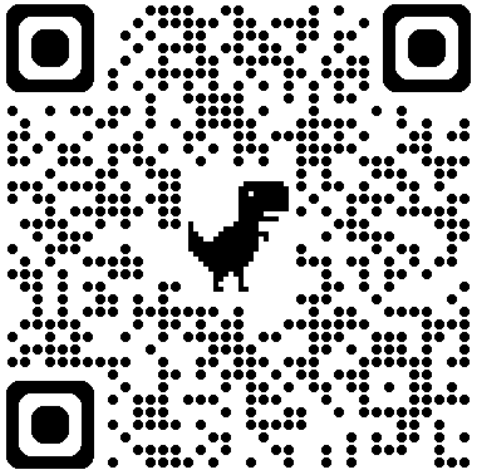
WG3: Network Innovation

1. OmopSketch
2. OmopConstructor
3. ACRO
4. Data Enrichment



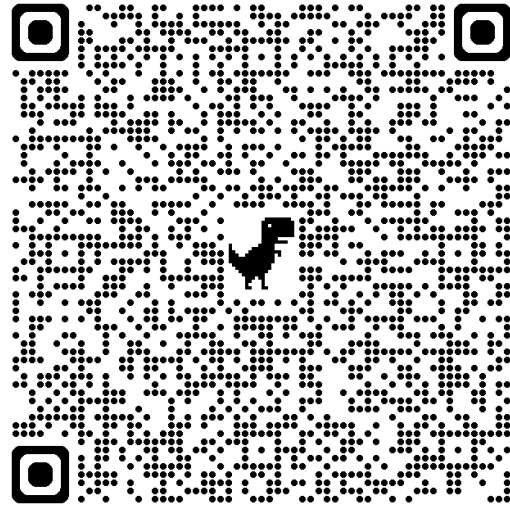
For more information...

**OMOP Training on Futures
(coming soon!)**



<https://hdruklearn>

**Cancer OMOP
Symposium**



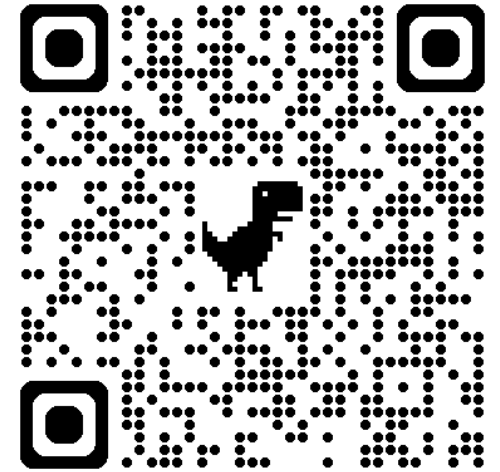
18th November

OHDSI UK



<https://ohdsi.github.io/ohdsi-uk>

HERON-UK



<https://heron-uk.github.io/heron-uk/>