

HDR UK

Health Data Research UK



OHDSI UK

Alex Knight



UK OMOP Landscape – some of the players



HDRUK
Health Data Research UK



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



University of
Nottingham
UK | CHINA | MALAYSIA



Data Custodians



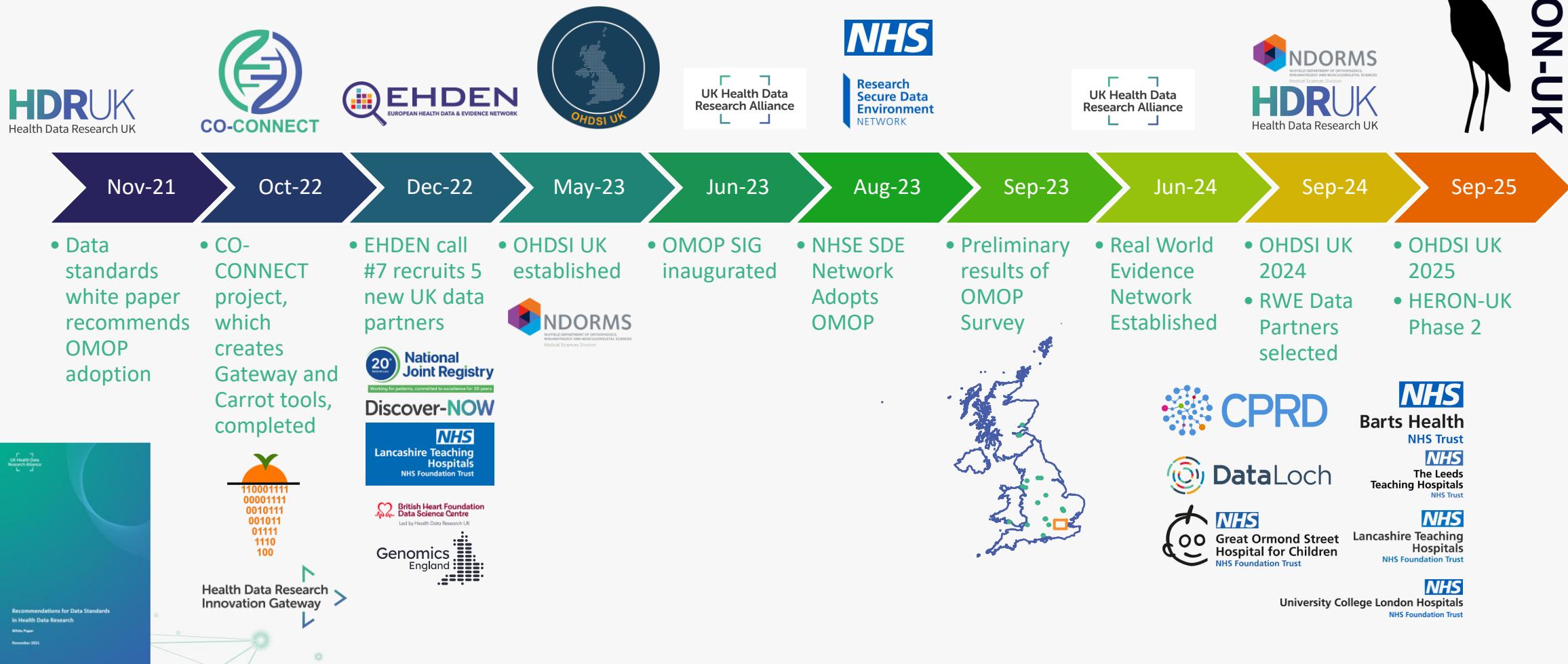
Research
Secure Data
Environment
NETWORK

NHS England SDE Network



Public Health Scotland

HDR UK and OHDSI UK



HERON-UK Data network

Data Partners



HERON-UK

Across the HERON-UK network*:

- 850 million condition occurrence records
- 1.7 billion drug exposure records
- 1.3 billion procedure occurrence records



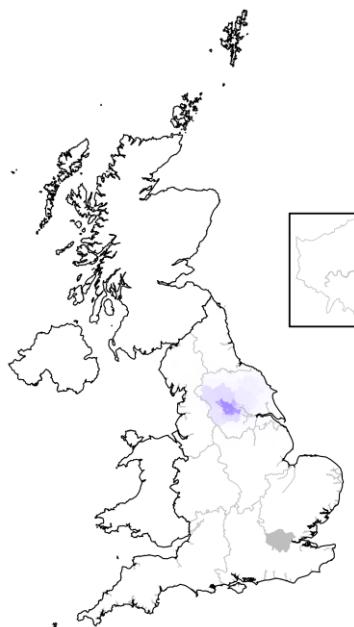
Population	
CPRD AURUM	49,359,991
Barts Health	3,212,801
Lancashire Teaching Hospitals	1,533,222
University College London Hospitals	1,379,618
Great Ormond Street Hospital for Children	204,159
The Leeds teaching hospitals	1,475,561
DataLoch NHS Lothian	413,971
HERON-UK	57,579,323*

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



HDRUK
Health Data Research UK





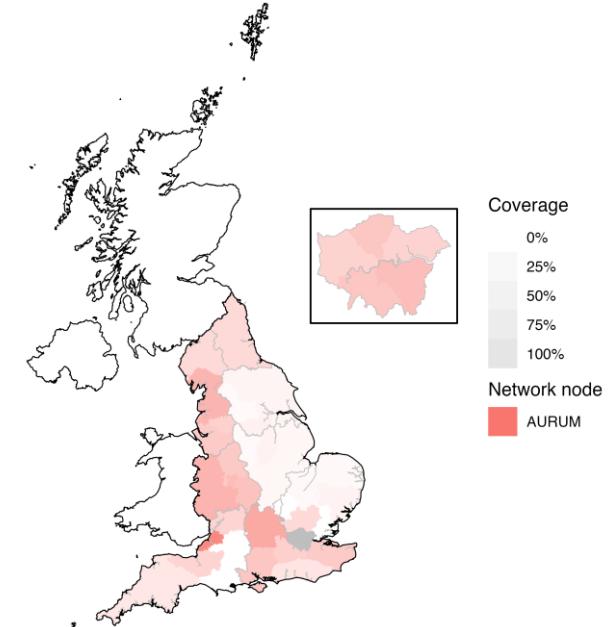
Network node
LTHT
Coverage
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25%
50%
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Network node
LANCS
Coverage
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Network node
Barts
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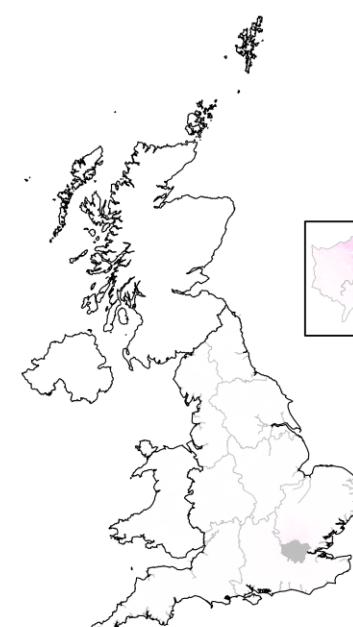
Coverage
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Network node
AURUM



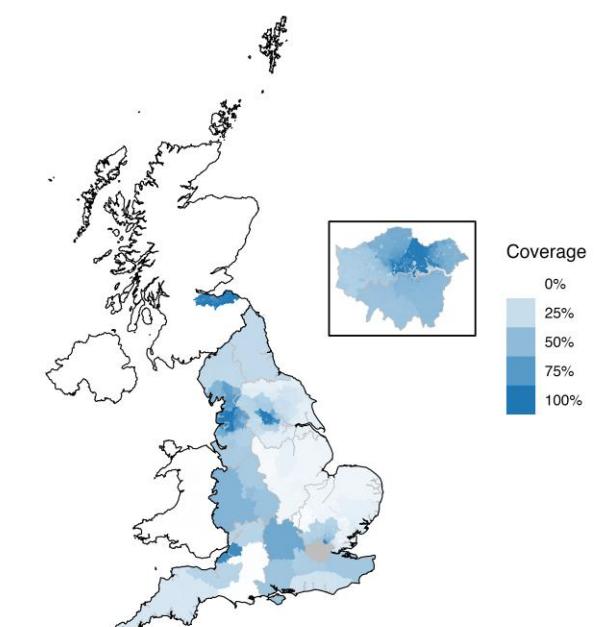
Coverage
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Network node
GOSH



Network node
DataLoch
Coverage
0%
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100%

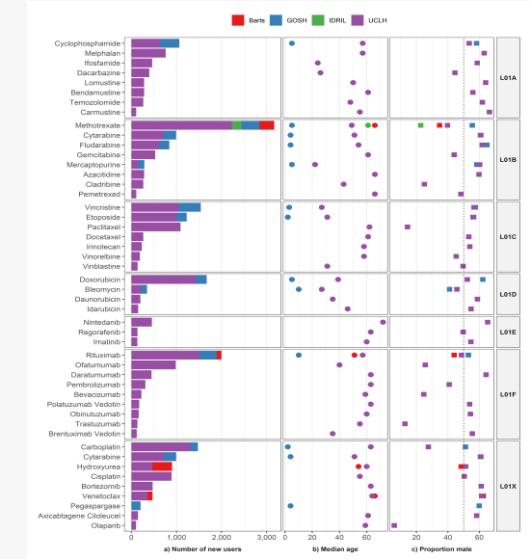
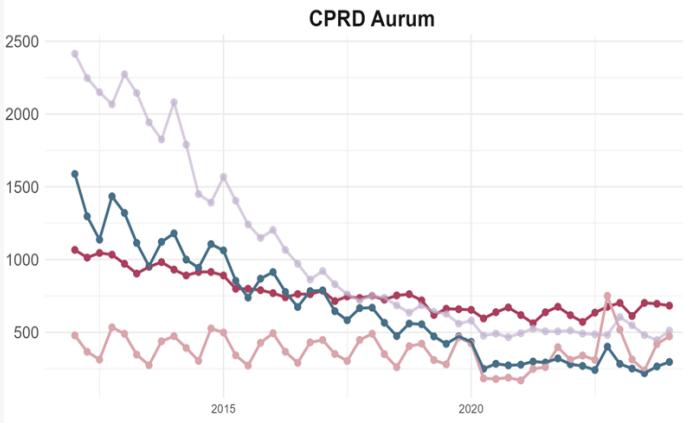
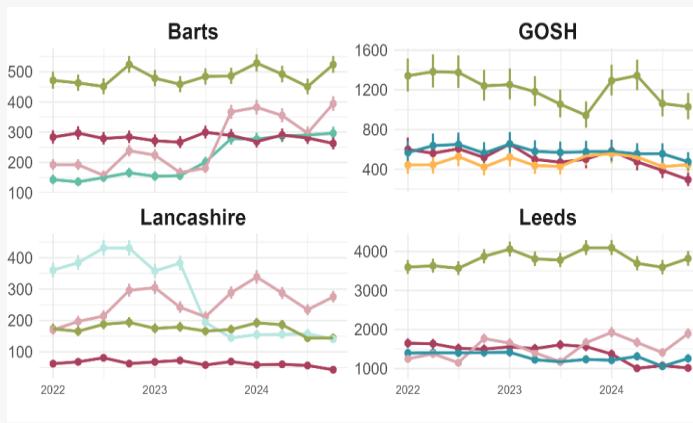


Network node
UCLH
Coverage
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Coverage
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HERON UK Network Studies (Year 1)



- **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.

HERON-UK (Year 2)

Network coordinators



WG1: Data Network



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

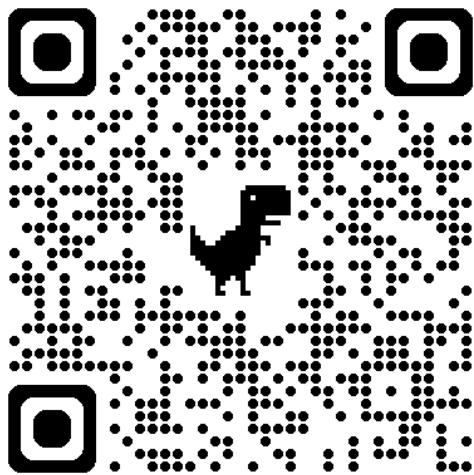


<https://ukhealthdata.org/data-standards/common-data-models/rwe-network/>

For more information...

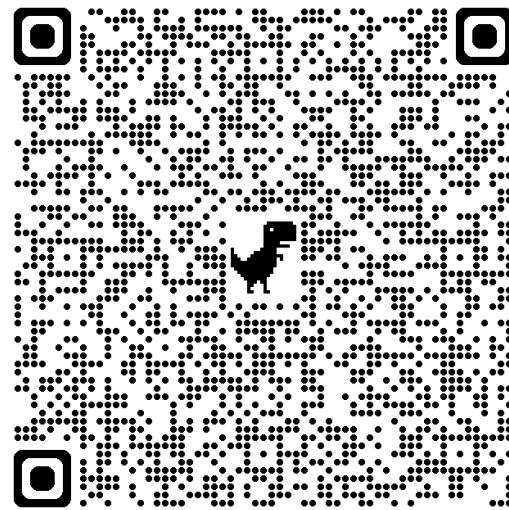


**OMOP Training on Futures
(coming soon!)**



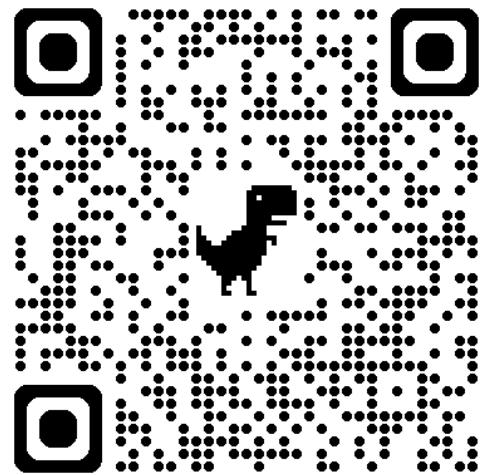
<https://hdruklearn>

**Cancer OMOP
Symposium**



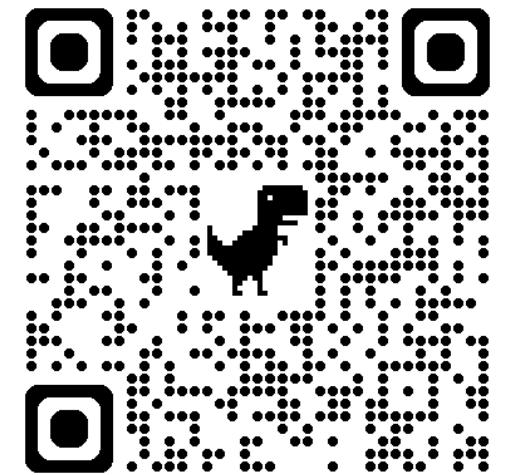
18th November

OHDSI UK



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

HERON-UK



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