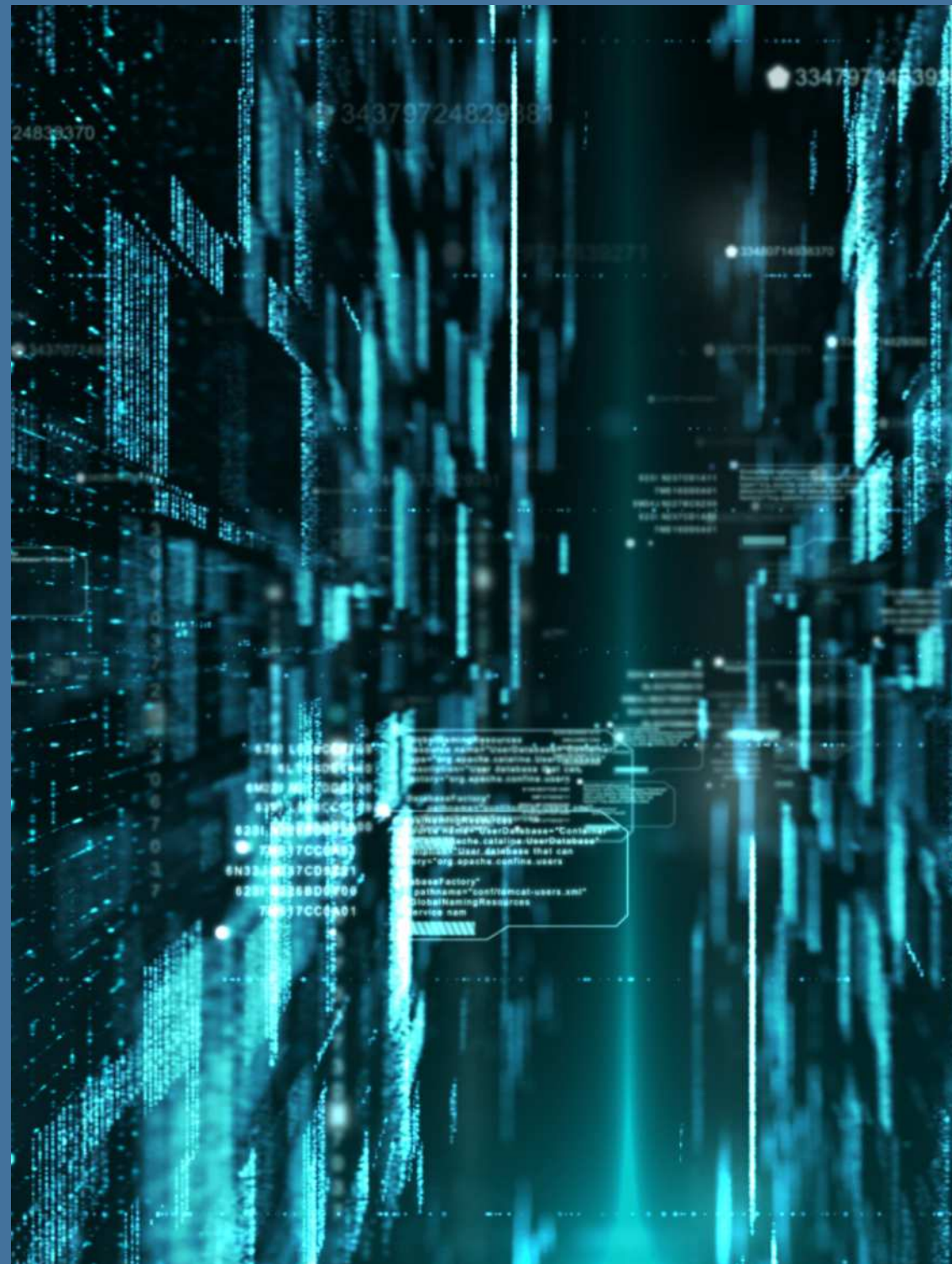




DATA MIND

Prof Ann John

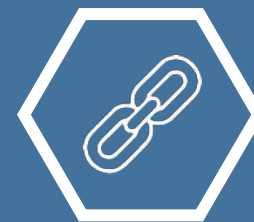
What is DATAMIND?



DRIVING RESEARCH & INNOVATION THROUGH MENTAL HEALTH DATA



- UK-wide research platform, curating and hosting MH datasets



- Securely linking and harmonising data for research and analytics.



- Embedded across initiatives HDR UK, Regional SDEs; aligned with national research priorities.

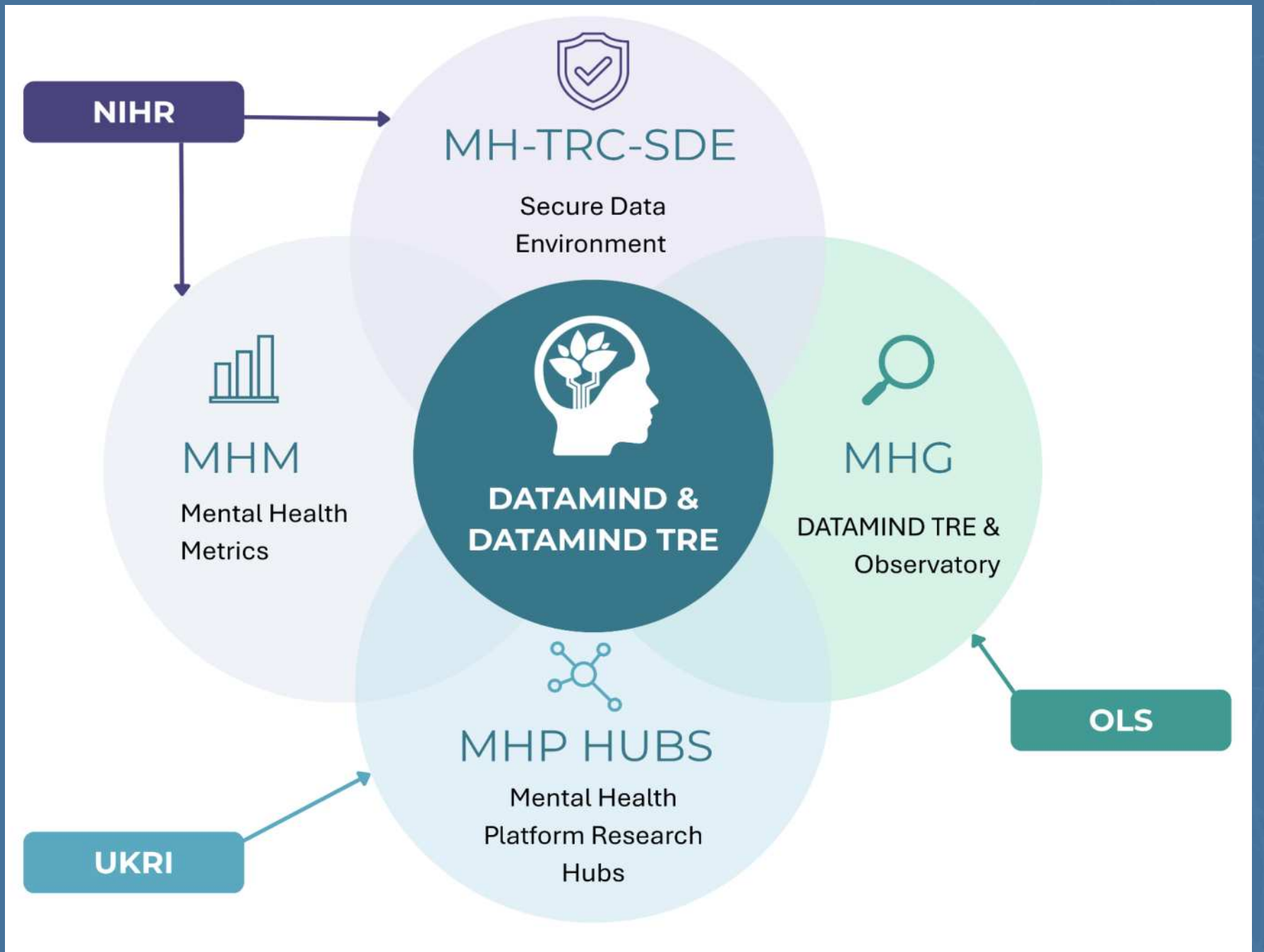


- Major investment from Office of Life Sciences & Medical Research Council (MRC), part of UK Research and Innovation (UKRI).



- Over 40 partners including 17 universities

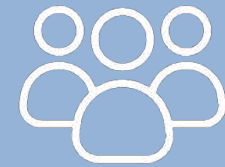
Ecosystem





Trusted Research Environment

Secure platform for mental health data analysis.



PWLE Advisory Panel (LEAG)

Patients and public shaping ethical mental health data science.



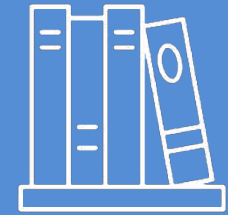
Glossary

200+ standardised mental health research terms and definitions.



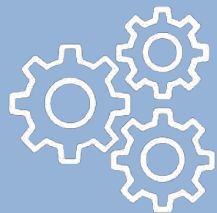
Metadata Catalogue

Standardised metadata for data discovery and integration.



Phenotype Library & PHENOMIND

Currently 46 DATAMIND Collection phenotypes.



Governance Framework

Standardised protocols for secure cross-hub data sharing.



Industry Forum

Forum for collaboration on mental health research challenges.



Open Science (GitHub)

Secure platform for sensitive mental health data analysis.



Data Science Meetings

Bi-annual meetings and conferences.



Research Tools

REDCap templates and tools for mental health studies.

Our Tools and Services

Secure access
and
governance

Research community
and
support

Data collection
and
standardisation

Secure. Trusted. Governed.



Trusted Research Environment



Secure Environment

ISO 27001 accredited infrastructure. Secure, isolated project workspaces.



Independent Oversight

Independent project approval process with patient and public representation.



Governance and Audit

Structured application and review pathways. Full audit trails and monitored access.



Controlled Outputs

Airlocked workspaces with robust output checking process.

Our Data & Assets



Datasets

- Multi modal data
- Linked cohort data
- Longitudinal mental health data
- Phenotypes & harmonised datasets
- Standardisation
- OMOP



Tools and infrastructure

- Integrated AI tooling
- Data harmonisation frameworks
- Metadata / discovery tools
- Analytics support
- PHENOMIND (launching soon)



Expertise

- Domain experts
- Data scientists
- Governance specialists
- Technical expertise
- Specialist AI expertise and project support



Analysis

- Data federation
- Statistical computing
- Natural Language Processing
- Visualisation & reporting
- Output management

Key Datasets and Data Types

A growing portfolio of mental health datasets, bringing together rich, multi-modal data



Currently in the TRE

EPICare

The first dataset of the NIHR MH-TRC SDE programme, providing data from England's national psychosis platform



Clinical NHS Data

Secondary care + multi-site national dataset



Additional datasets (currently being onboarded)

Multiple datasets from nationally-funded programmes, including:

- Mood Disorders
- GLAD
- Early Psychosis
- Mental Health Platform hubs

These datasets include:

Imaging
data



EMA
data



Clinical
data



Wearables
data



Genomics and
biomarker data



Geospatial
data



And
more...

Industry Use Cases

What might you need?
Our data assets, cohorts
Support with ethics and consent
Real world evidence
Validation tools/analytical methods



Pharmaceutical companies

Research question

How do treatment pathways and outcomes vary?

Potential benefit

Access to deeply phenotyped cohorts.

Generate real-world evidence.



Digital health companies

Research question

Does a digital intervention improve outcomes?

Potential benefit

Established multi-modal data pipelines.

Evaluate interventions with relevant measures.



AI companies

Research question

Can a model predict worsening outcomes?

Potential benefit

Develop and validate machine-learning models to support earlier identification.



Research partnerships

Research question

What are the long-term outcomes?

Potential benefit

Collaborate with academic and clinical researchers

THANK YOU



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DATAMIND



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