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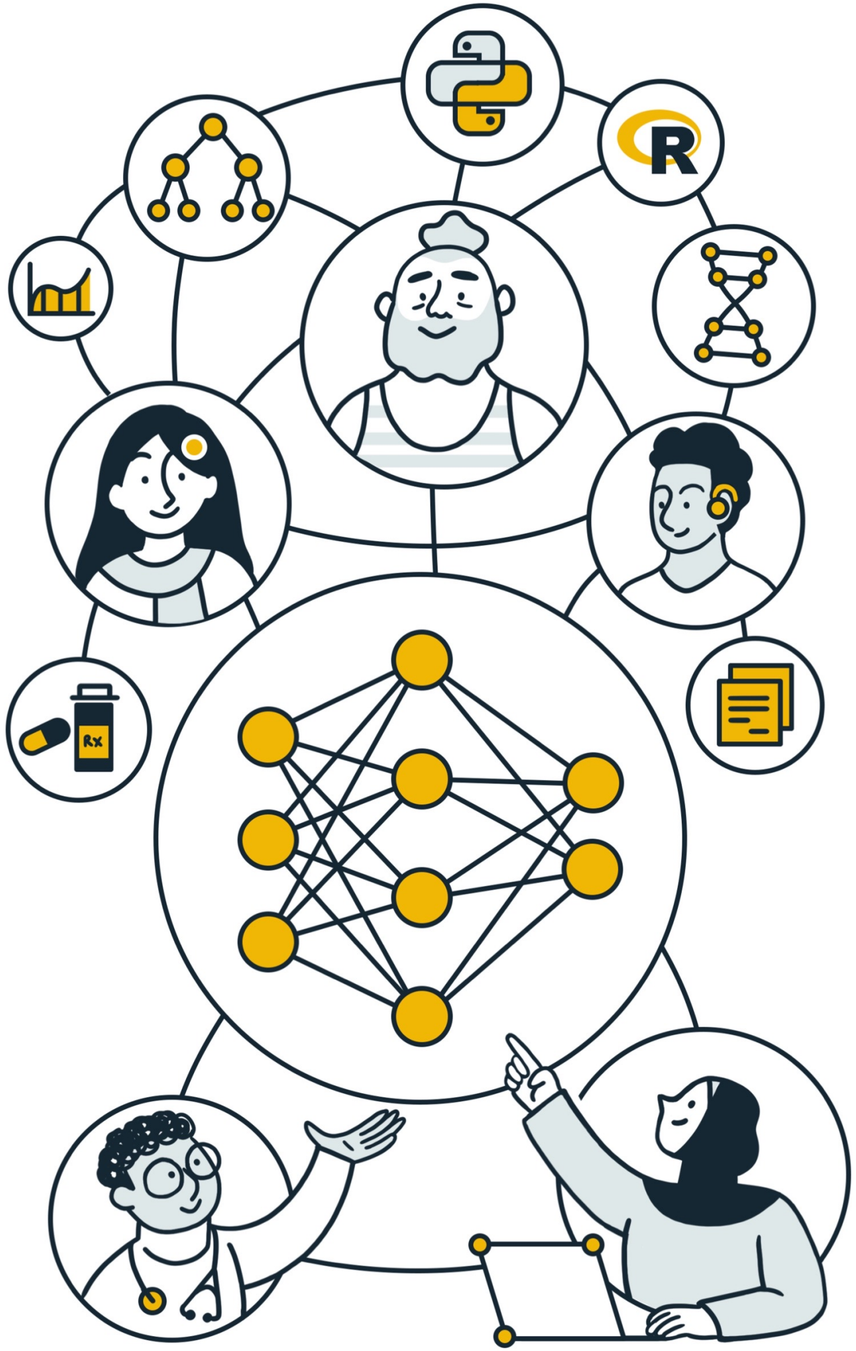
AI for Multiple Long-term Conditions Research Support Facility



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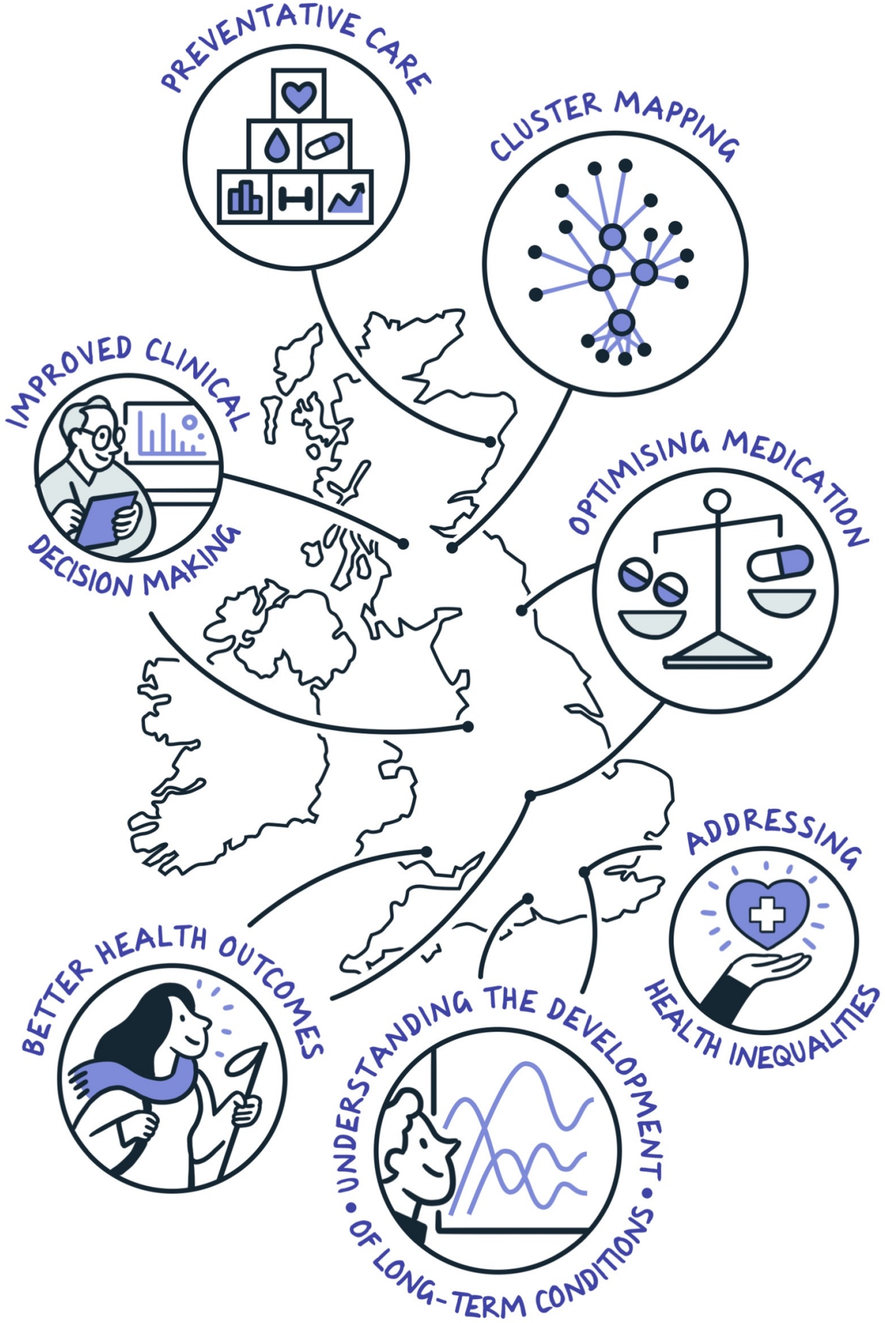
AI for Multiple Long-term Conditions (AIM).

NIHR AIM Programme

The AIM programme combines data science and AI methods with health care and social science expertise to identify new clusters of disease and understand how multiple long-term conditions develop over the life course.



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AIM Research Consortia.

AIM CISC

Using AI to analyse and understand available information so as to establish the patterns of MLTC that are most common and affect people's lives most, with the goal of improving the quality and safety of care.

University of Edinburgh
The Roslin Institute
NHS Lothian
University College London

AI MULTIPLY

Characterising the dynamic relationships of MLTC and polypharmacy and inform healthcare pathways

Newcastle University
Queen Mary University London

Cluster AIM

Developing and validating population clusters to integrate health and social care using mixed methods.

University of Southampton
University of Oxford
University of Kent
University of Nottingham
University of Leicester

DECODE

Mapping the challenges and requirements for Data-driven, machinE learning-aided stratification and management of multiple long-term COnditions in adults with intellectual DisabilitiEs.

Leicestershire NHS Trust
Loughborough University
University of Leicester
De Montfort University

DynAIRx

Developing new, easy-to-use AI and data viz tools that help GPs and pharmacists treat patients with MLTC.

University of Liverpool
University of Leeds
University of Manchester
University of Glasgow

MELD-B

Using AI-enhanced analyses of birth cohort data and electronic health records to identify life-course time points and targets for the prevention of early-onset, burdensome MLTC.

University of Southampton
University of Glasgow
Swansea University
Southampton City Council
University of Aberdeen
King's College London

OPTIMAL

OPTIMising therapies, discovering therapeutic targets and AI-assisted clinical management for patients living with complex multiple long-term conditions.

University of Birmingham
University of Manchester
University Hospitals Birmingham
NHS Greater Glasgow & Clyde
University of St. Andrews
MHRA

AIM Research Support Facility (RSF).

AIM Research Support Facility

The goal of the AIM RSF is to help embed best practices in data security and standards, reproducibility, and public and patient engagement across the AIM consortia, ensuring effective knowledge sharing.

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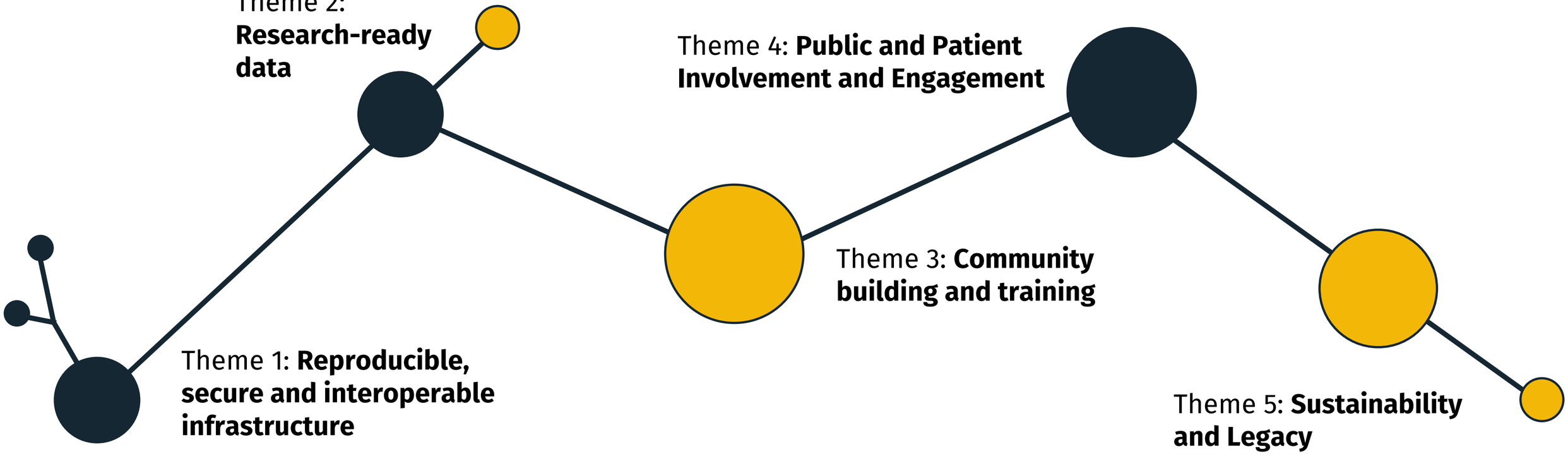
Interconnected Research Themes.



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Theme 1: Reproducible, secure and interoperable infrastructure

Linking research collaborations across the UK within a trusted research environment for data, software and analysis sharing.

Examples: Horizon scan

Theme 3: Community building and training

Building connections between early career researchers across AIM and providing training and in computational skills to deliver reproducible research outputs.

Examples: training, events

Theme 2: Research-ready data

Experts in data curation work with AIM researchers to align datasets and standards.

Example: drug-coding lists, synthetic data

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Theme 4: Public and patient involvement and engagement

Enhancing existing PPI networks to support those with lived experience of MLTC through events series

Examples: combined PPIE MLTC community

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Theme 5: Sustainability and legacy

Embed outputs in existing communities, engage with policymakers to coordinate a long-term investment in MLTC research to impact as many people as possible.

Examples: engagement with CPRD on data access

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EVENTS

ECR Lunchtime Sessions

Workshops

Collaboration Cafes

PPIE Community Calls

Internal

External

Seminar Series

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