

PRESS RELEASE

King's College London begins work on standardising its research data to OMOP CDM

Imosphere is pleased to announce that it is partnering with King's College London to standardise data from three of its health research registries, by mapping it to the Observational Medical Outcomes Partnership (OMOP) Common Data Model (CDM).

The project, funded by the European Health Data & Evidence Network (EHDEN), an IMI 2 consortium, will support King's College London to enhance and accelerate their research by harmonising the infrastructure of some of its major healthcare datasets.

Several of the datasets to be mapped into OMOP as part of the initial work include the South London Stroke Register, the NHIC Renal Data Set and Lambeth Datanet, all of which are supported by the National Institute for Health Research (NIHR) Biomedical Research Centre (BRC) at Guy's and St Thomas'.

The South London Stroke Register includes people with a first in a lifetime stroke, covering the north of the London Boroughs of Lambeth and Southwark. The study is looking to understand the epidemiology of the interplay of cardiovascular diseases and capture incidence and risk factors for heart disease within stroke patients.

The second is the NHIC Renal dataset, which includes data from renal transplant patients. The goal here is to map the data into OMOP to help identify clinical improvements in renal transplantation and detect incidences of recurrent or de novo Glomerulonephritis (GN) post-transplant.

Imosphere will also be supporting King's College London to map Lambeth Datanet, which is a primary care database supporting studies into defining a standardised Diabetes Type 2 phenotype.

Dr Vasa Curcin, Informatics Group Lead at School of Population Health and Environmental Sciences at King's College London and Co-Lead for the Data Analytics cluster at the NIHR BRC at Guy's and St Thomas', said, "We're excited to get started on this project alongside the team at Imosphere. We are anticipating some real transformational benefits of having research datasets harmonised to a standardised vocabulary, which will allow our researchers a more systematic and faster way of analysing our population's data and lower the barrier to entry for future collaborative projects around these datasets. We selected Imosphere due to its many years of experience working with a variety of patient-level research datasets and having already successfully worked with some early adopters of the OMOP CDM."

David Burton, Imosphere's Solutions Architect, commented, "We're proud to be an EHDEN certified SME and are looking forward to starting our first EHDEN funded OMOP project with King's College London. We believe that it will bring some great opportunities for advancing patient outcomes by improving their access to standardised tooling and resources."

An EHDEN Project

This project forms part of a wider project by EHDEN, whose main objective is to address the current challenges in generating insights and evidence from real-world clinical data at scale, to support patients, clinicians, payers, regulators, governments, and the pharmaceutical industry in better understanding well-being, disease, treatments, outcomes and new therapeutics and devices through a federated network of many million patient data records.

This project has received funding from the Innovative Medicines Initiative 2 Joint Undertaking (JU) under grant agreement No 806968. The JU receives support from the European Union's Horizon 2020 research and innovation programme and EFPIA.

Notes to editors

About the NIHR Guy's and St Thomas' Biomedical Research Centre

The National Institute for Health Research (NIHR) Biomedical Research Centre (BRC) at Guy's and St Thomas' NHS Foundation Trust and King's College London works to develop and deliver new medicines and diagnostics to patients, drive research and innovation into the NHS, and provide national systems leadership for maximum impact to patients.

With our research activity organised into nine themes, each holding an individual Athena Swan Silver award highlighting our commitment to equality and diversity, and supported by our interdisciplinary, world leading infrastructure, we are poised to deliver the next step change for the health and wealth of our nation. Find out more at www.guysandstthomasbrc.nihr.ac.uk/

About the NIHR

The National Institute for Health Research (NIHR) is the nation's largest funder of health and care research. The NIHR:

- Funds, supports and delivers high quality research that benefits the NHS, public health and social care
- Engages and involves patients, carers and the public in order to improve the reach, quality and impact of research
- Attracts, trains and supports the best researchers to tackle the complex health and care challenges of the future
- Invests in world-class infrastructure and a skilled delivery workforce to translate discoveries into improved treatments and services
- Partners with other public funders, charities and industry to maximise the value of research to patients and the economy

The NIHR was established in 2006 to improve the health and wealth of the nation through research, and is funded by the Department of Health and Social Care. In addition to its national role, the NIHR supports applied health research for the direct and primary benefit of people in low- and middle-income countries, using UK aid from the UK government.

This work uses data provided by patients and collected by the NHS as part of their care and support and would not have been possible without access to this data. The NIHR recognises and values the role of patient data, securely accessed and stored, both in underpinning and leading to improvements in research and care. Find out more at www.nihr.ac.uk/patientdata

About Imosphere

Imosphere | Health and Research Analytics is a people-centric software company specialising in health and care analytics and data capture systems.

Its mission is to make health and care profoundly better by bringing people's information to life by working collaboratively with its healthcare customers to deliver analytics tools that are easy to access, easy to use and easy to distribute.

Based in Nottingham, UK and San Francisco, US, Imosphere's self-service analytics and data capture tools are being used across the globe by researchers and healthcare professionals each day. These tools have become well established within clinical research centres across the US, and the NHS in the UK.

As part of its data services, Imosphere is an EHDPEN Certified SME, and is helping organisations map their healthcare data to the OMOP Common Data Model.

Find out more at <https://imosphere.com/health-and-research-analytics/omop-data-harmonisation/>

