

## HDR UK Midlands: Quarterly Insight Sharing Webinar

*In partnership with Keele University*

# Healthcare Data from Different Sources

## AGENDA

**Date:** Tuesday 4<sup>th</sup> November 2025

**Time:** 1pm to 4pm

**Location:** Online (via Teams)

Time	Session	Who
<b>13:00</b> (10 min)	Welcome, introductions and overview of the webinar	Fiona Pearce, Co-Director of HDR UK Midlands and Kelvin Jordan, Professor of Biostatistics at Keele University.
<b>13:10</b> (15 min)	Data to improve Musculoskeletal Medicine (MSK)  MIDAS & MSK National Audit	Jonathan Hill, Professor of Physiotherapy, Keele University.
<b>13:25</b> (15 min)	Using EHR data to improve care for patients with inflammatory arthritis	Ian Scott Senior Lecturer at Keele University and Consultant Rheumatologist at the Haywood Hospital
<b>13:40</b> (15 min)	Data to support research across health and social care	Paul Campbell, Senior Researcher at Midlands Partnership University NHS Trust
<b>13:55</b> (15 min)	Panel Q&A	Chair: Kelvin Jordan.

<b>14:10</b>	<b>Early Career Research Takeover Session</b> <i>Research using and linking novel datasets</i>	<b>Chair: Fiona Pearce</b>
<b>14:10</b> (5 min)	The Impact of Regulatory Intervention on Fluoroquinolone Prescribing in Community-Acquired Pneumonia	Chris Hatton, Clinical Research Fellow at the University of Birmingham
<b>14:15</b> (5 min)	Breathing through the years: how children asthma outcomes have changed	Aleksandra Gawlik-Lipinski, PhD Candidate, University of Leicester
<b>14:20</b> (5 min)	Beyond the Basket: Shopping Data and AI in Disease Forecasting and Women's Health	Elizabeth Dolan, Research Fellow in Health Data Science, The University of Nottingham
<b>14:25</b> (5 min)	The benefit and harms of directly acting oral anticoagulants over the Covid-19 period	Yvonne Nartey, Epidemiologist - Population Health Sciences at the Bristol Medical School, University of Bristol.
<b>14:30</b> (10 min)	Panel Q&A – Audience and ECR Presenters	Chair: Fiona Pearce.
<b>14:40 (10 min)</b>	<b>BREAK</b>	
<b>14:50</b> (15 min)	The National Health Data Research Service (HDRS)	John Chevers, Technology Lead, Data for Science and Health at Wellcome Trust
<b>15:05</b> (10 min)	Q&A Session	Chair: Kelvin Jordan
<b>15:15</b> (10 min)	The UK Longitudinal Linkage Collaboration (UK LLC)	Andy Boyd, Director of UK Longitudinal Linkage Collaboration (UK LLC)
<b>15:25</b> (10 min)	CPRD SPRINT (Speedy Patient Recruitment INto Trials) & CPRD Prove	Brooke Jackson, CPRD Real World Planning Team Lead at Medicines and Healthcare products Regulatory Agency (MHRA)
<b>15:35</b> (10 min)	The SAIL database and mapping for better care in MSK	Sinead Brophy, Co-Director of HDRUK Wales and Co-Director of the Institute of Health Aging and Chronic Conditions in Swansea University
<b>15:45</b> (10 min)	Panel Q&A Session	Chair: Kevin Dunn, Co-Director of HDR UK Midlands
<b>15:55</b> (5 min)	Summary of the day and next steps	Fiona Pearce, Co-Director of HDR UK Midlands and Kelvin Jordan, Professor of Biostatistics at Keele University

## Speaker biographies

**Professor Kelvin Jordan,**

**Professor of Biostatistics at Keele University**

Kelvin is a Professor of Biostatistics within the School of Medicine at Keele University. His research focuses on the epidemiology of common conditions in primary care with a specific interest in research using electronic health records. He has extensive experience of use of primary care datasets such as CPRD. He has also been lead statistician for several cohort studies which link self-reported data to medical records with consent of research participants.



Within electronic health records research, Kelvin is interested in methods to investigate the burden (incidence, prevalence, impact) of health conditions over time, and prognosis studies including how patterns of symptoms and health care use can be used to monitor chronic conditions and predict longer-term outcomes.

His research has focussed primarily in musculoskeletal conditions but also has interests in measuring and predicting progression of dementia and the outcomes of non-cardiac chest pain presented to primary care.

**Dr Fiona Pearce**

**Director, HDR UK Midlands, University of Nottingham**

Fiona Pearce is an NIHR Advanced Fellow and Clinical Associate Professor in Rheumatology Epidemiology at the University of Nottingham, with honorary consultant roles at Nottingham University Hospitals NHS Trust and the Rare Disease Team at NHS England. Her research focuses on rare autoimmune rheumatic diseases, including vasculitis, lupus, and scleroderma, using healthcare data to improve outcomes for patients.



Fiona is passionate about scalable, whole-population approaches to health data research across 5,000 rare diseases. She leads the RECORDER collaboration with NHS England and holds an NIHR advanced fellowship to explore large-scale data applications in rare diseases. Her epidemiology work includes studying the natural history of these conditions and the impact of COVID-19 on immunosuppressed populations.

Fiona completed her PhD on ANCA-associated vasculitis and has contributed to the Oxford Textbook of Medicine. Her goal is to enhance care for patients with rare autoimmune diseases through research and clinical innovation.

## **Professor Jonathan Hill**

**Professor of Physiotherapy, Keele University, School of Medicine and Honorary Professor at the Institute for Health Research, University of Notre Dame, Australia.**

Jonathan has a sustained international reputation for clinical research to improve the assessment and management of musculoskeletal (MSK) pain. Notable achievements at the Keele Centre for Musculoskeletal Health Research include his research in risk stratification (e.g. STarT Back Tool), measurement (e.g. Musculoskeletal Health Questionnaire), big data (e.g. UK National Community MSK Database) and evaluating digital innovations (e.g. trial of the CrossCover Clinical Decision Support System). Jonathan was Research Director for the School of Allied Health Professions at Keele from 2020 – 2024, has 200 research publications, and >£20m in research funding. He is currently supporting 12 NIHR Fellowships.



## **Dr Ian Scott**

**Consultant Rheumatologist and Senior Lecturer at Keele University**

Dr Ian Scott is a senior lecturer at Keele University and consultant rheumatologist at the Haywood Hospital.

His clinical and research focus is around improving the health of people living with inflammatory arthritis, with a particular emphasis on improving pain, alongside using electronic health records and digital systems to deliver patient care and research.

Ian was awarded a National Institute for Health and Care Research (NIHR) Advanced Research Fellowship in 2020 to deliver a programme of research to improve pain care in people with inflammatory arthritis. As part of this he has conducted various studies using data from the Clinical Practice Research Datalink (CPRD) and is using text-messages and online systems to deliver several observational studies.

He has also led on the development of a new electronic health record system at his NHS Trust, which incorporates an online “patient portal” collecting electronic patient-reported outcome measures from people with inflammatory arthritis.

Ian is keen to collaborate with others on health data research projects, particularly those that focus on pain or improving the health of people with inflammatory arthritis.



**Dr Paul Campbell**

**Senior Researcher, Midlands Partnership University NHS Foundation Trust (MPFT), and Honorary Reader, Keele University.**

Dr Paul Campbell is a psychologist by background and completed his PhD (Psychiatry) at the University of Birmingham in 2005. He currently holds the position of Senior Researcher within the Research and Innovation Department at MPFT, and is an Honorary Reader at the School of Medicine at Keele University. Paul is an established researcher who has led funded programmes of research across primary care, social care, and public health. Paul's current work involves supporting the engagement of practitioners from social care and public health (MPFT and partner Local Authorities) to ensure the continued development of evidence based/informed practice. A key part of this work is to explore how routine collected social care data could be used for research. Paul also has a track record in dementia research and is currently a Senior Research Fellow within the national NIHR DEMCOMM programme, a programme initiated to foster applied dementia research capacity growth.



**Chris Hatton**

**Clinical Research Fellow, NIHR Midlands Patient Safety Research Collaboration at the University of Birmingham**

Chris is a Clinical Research Fellow working in the NIHR Midlands Patient Safety Research Collaboration at the University of Birmingham, and a Public Health Registrar in the East Midlands. As part of his PhD, he is using routinely collected healthcare data to understand how policy changes influence antibiotic prescribing behaviour in real-world practice. He is also interested in how clinical decision support software can be used to optimise antibiotic prescribing in hospital.



**Aleksandra Gawlik-Lipinski**

**PhD Candidate at the University of Leicester**

Aleksandra Gawlik-Lipinski is an Independent Nurse Consultant, and a PhD Candidate at the University of Leicester researching asthma mortality trends and predictors of asthma-related deaths in children. With 18 years' experience across clinical practice, research, leadership, education, and policy, she has spent the past seven years specialising in respiratory medicine in general practice. Additionally, Aleks serves as Clinical Fellow for Children and Young People's Asthma and Healthcare Improvement Coach for the National Respiratory Audit Programme (NRAP) at the Royal College of Physicians, Vice-Chair of the Research and Education Sub-Committee at the Association of Respiratory Nurse Specialists (ARNS), and Co-Chair of the BTS Statement on Paediatric Cough.



**Dr Lizzie Dolan,**

**Research Fellow in Health Data Science at the University of Nottingham's N/LAB research centre**

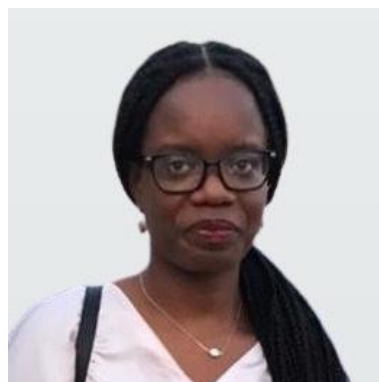
Dr Lizzie Dolan is a Research Fellow in Health Data Science at the University of Nottingham's N/LAB research centre. She specialises in applying AI, machine learning, and large-scale consumer data to public health, with a focus on early detection, disease monitoring, and health inequalities. Her research spans ovarian cancer, respiratory illness, and urogenital infections, with women's health as a central theme. Lizzie also contributes to the national evaluation of the Pharmacy First service and wider studies on nutrition, food environments, and inequalities in access and behaviour.



**Dr Yvonne Nartey**

**Epidemiologist, Department of Population Health Sciences at the Bristol Medical School, University of Bristol**

Dr Nartey is an epidemiologist whose current program of research involves the use of novel epidemiological, statistical, and data science methods to understand how we can make good use of drugs and the burden of cancer. Her research expertise includes clinical epidemiology studies on cancer, patient experience, and how we can improve existing therapies for the benefit of patients using large population-level databases of routinely collected health information from both primary and secondary care, and various epidemiological study designs. Dr Nartey is based with the Electronic Health Record group in the Department of Population Health Sciences at the Bristol Medical School, University of Bristol.



**Dr John Chevers**

**Technology Lead, Wellcome Trust**

John Chevers is Technology Lead in the Data for Science and Health Team at the [Wellcome Trust](#) with a particular focus on Infectious Disease Research and the UK Data Landscape. He has held leadership roles in industry, the NHS and academia, specialising in the use of data and technology to facilitate research. Prior to working in the health sector, John led partnerships and commercial strategy for [GEANT](#), the pan-European internet for research and education. He holds a PhD in Physics and an MSc in electrical engineering.



## **Andy Boyd**

### **UK LLC Director, University of Bristol**

Andy is the Director at UK LLC and is responsible for its overall operation and strategic direction. Andy's 22 years with [Children of the 90s study](#) (ALSPAC) has provided him an array of experience through his various roles, from Information Security Manager to Data Programmer. This has allowed him specialised knowledge in designing data and governance infrastructure needed for linking participants in Longitudinal Population Studies with routine records to augment cohort study databanks. Andy also works part-time with Health Data Research UK.



## **Professor Sinead Brophy**

### **Co-Director of HDR UK Wales and Co-Director of the Institute of Health Aging and Chronic Conditions in Swansea University.**

Sinead is Director of the National Centre for Population Health and Wellbeing Research, Professor in Health Data Research UK (Wales/Northern Ireland) and Lead of Early Years in Administrative Data Research Wales. She is also member of the Medical Research Council's Population and Systems Medicine Board and member of the Independent Scientific Advisory Committee of Medicines and Healthcare products Regulatory Authority.

Sinead is training lead in Wales/Northern Ireland for Health Data Research UK. Her areas of expertise include data science, epidemiology especially a life course approach, maternal and child health, chronic conditions especially arthritis and workplace health.



## **Mr Kevin Dunn**

### **HDR UK Programme Manager at University of Birmingham**

Kevin is a Senior Research Programme Manager at the University of Birmingham, leading the Multi-Sector Networks pillar, which supports diverse health-related research programmes. He manages the HDR UK Midlands regional network, advancing health data science through collaborations with academic, NHS, and health sector partners, and supports the national TARGetAMR research network, addressing antimicrobial resistance through genomics.

Kevin began his career in 1998 as an NHS Youth Trainee, gaining expertise in Health Informatics, Oncology, Research & Development, and Innovation Management. He co-established the UK's first national cancer MDT for Ewing's Sarcomas and has held senior roles in research and innovation. An experienced NIHR GCP Facilitator, Kevin has educated healthcare professionals on Good Clinical Practice and contributed to the Royal College of Physicians' Faculty of Pharmaceutical Medicine.





Health Data Research UK

Outside of work he is a passionate community supporter, Kevin enjoys photography, music, and leading group walks. He is dedicated to improving patient care through innovation.