HDR UK SCIENTIFIC CONFERENCE

15th & 16th OCTOBER 2025

AGENDA

15th October

Time	Sessions
08:45 – 09:30	**ARRIVAL, TEA and COFFEE** (Hall 1 and 2, Exhibition)
09:30 – 09:45	**Welcome and introductory words:** **Andrew Morris,** Director Health Data Research UK **Lomond Auditorium** (Theatre style)
09:45 – 10:00	**Keynote Speaker 1:** **Professor Dame Anna Dominiczak,** Chief Scientific Advisor (Health) for the Scottish Government TITLE: Welcome **Lomond Auditorium**
10:00 – 10:45	**Keynote Speaker 2:** **Professor Angela Wood,** NIHR Research Professor of Biostatistics and Health Data Science at the University of Cambridge TITLE: Insights from Whole-Population Electronic Health Records in England, N. Ireland, Scotland and Wales Chair: Patsy Wilkinson, Health Data Research UK **Lomond Auditorium**
10:45 – 11:15	**COFFEE BREAK** (Hall 1 and 2, Exhibition)
11:15 – 12:00	**Keynote Speaker 3:** **Gerrit Meijer,** Chief Science Officer at Health-RI TITLE: European Health Data Environment Chair: Rhoswyn Walker, Director of Strategy, Health Data Research UK **Lomond Auditorium**

	Stream 1 - Lomond Auditorium	Stream 2 – Alsh 1	Stream 3 – Alsh 2
12:00 – 13:00	**THEME: Transforming healthcare with AI** Chair: Fatemeh Torabi, Assistant Professor in Healthcare Data Science at University of Cambridge **Speakers:** *Accelerating AI-Driven Neuroimaging Research in Dementia* - **Lewis Hotchkiss** *Foresight: The world's first population-scale generative AI model of electronic health records* - **Chris Tomlinson** *Multimodal Skin Cancer Detection: Leveraging Free Text and Images for Enhanced Classification* - **Matthew Watson** *Challenges of Supporting Artificial Intelligence (AI) Projects within Trusted Research Environments* - **Simon Thompson**	**THEME: Data access & information governance** Chair: Cassie Smith, Director of Legal, Trust and Ethics **Speakers:** *Unified Infrastructure and Governance for Direct Care Intelligence, Population Health and Research* - **Vishnu Vardhan Chandrabalan** *Refreshing The Scottish Safe Haven Charter: supporting today's research and innovation needs* - **Jenny Johnston** *A secure protocol for linking NHS England records with longitudinal population study participants* - **Sam Neale** *Atlas of Longitudinal Datasets: Enhancing Global Data Discovery, Access, and Interoperability* – **Rizza Zahid**	**THEME: Routine healthcare data in clinical trials** Chair: Xinchun Gu, University of Oxford **Speakers:** *Collecting and using patient demographic data in a National Research Network* - **Shamaila Anwar** *Embedding PPIE in Data Analysis: Co-Producing Genetic Research on Multiple Long-Term Conditions* - **Kate Boddy** *Embedding Patient And Public Voices: A Multi-Institutional Approach To Transforming Data for Trials* - **Daniel Iheanacho** *Health systems data chemotherapy-related neutropenic events: STAMPEDE trial data utility comparisons* - **Macey Murray**
13:00 – 14:00	**LUNCH** (Hall 1 and 2, Exhibition)		
14:00 – 14:30	**Lightning talks** Early career researchers will give a short (4-minute) presentation on their exciting new research. Chair: Patrick Bidulka, Assistant Professor, London School of Hygiene & Tropical Medicine **Lomond Auditorium**	**Speakers:** *Public involvement in shaping and interpreting analysis of intermediate care use in Grampian* – **Raul Berrocal-Martin** *Trustworthy health data research; insights from patient and public involvement* – **Catherine Bowden** *Mitigating Representation Bias in Health Data through AI-based Synthetic Data Generation* – **Nazia Nafis** *Open Code Counts: An R package and online tool for better electronic health records research* – **Arina Tamborska** *Real-World Data Based Budget Impact Modelling for Health Technology Appraisal: Oncology Drug Example* – **Robert Nagy**	

	Stream 4 - Lomond Auditorium	Stream 5 – Alsh 1	Stream 6 – Alsh 2
14:30 – 15:30	**THEME: Public health and health inequalities** Chair: Ralph Akyea, University of Nottingham **Speakers:** *The impact of mental illness and the COVID-19 pandemic on post-myocardial infarction mortality* - **Kelly Fleetwood** *Enhancing diversity and quality in Health Data* - **Ash Routen & Fatemeh Torabi** *The impact of an endometriosis diagnosis on employment status and earnings among women in England* - **Isobel L Ward** *Emergency diagnoses in 18 conditions: a population-based study of linked electronic health records* - **Emma Whitfield**	**THEME: Innovating the data infrastructure** Chair: Gordon Milligan, Deputy Director of the Alleviate (Advanced Pain Discovery Platform) Hub **Speakers:** *More than data are needed to save lives! Supporting the next generation of SDE RTPs* - **Philip Couch** *A Standard architecture for TREs: why is it important in a federated world?* - **Simon Li** *ScottisH Medical Imaging Dataset with Evaluation of Linked Data for Cardiovascular Disease (SHIELD)* – **Lars Murdoch** *UK CliC: Unlocking the Power of Clinical Cohorts in Health Research* - **Reecha Sofat**	**THEME: Sponsors' Talks** Chair: Edith Milanzi, IQVIA **Speakers:** *UK Longitudinal Linkage Collaboration: the Trusted Research Environment for data linkage in the longitudinal research community* - **Andy Boyd, Director, UK LLC** *Making Data FAIRer within the HDR UK Partnership: a practical demonstration* – **Adam Milward, CEO METADATAWORKS** *Automated Analysis of Routine Healthcare Data: Where are we, and where are we going?* – **Craig J. Currie, Chief Scientific Officer, Human Data Science** *The SafeGUARDS: a principles-led governance framework for using data about people for research* – **Cassie Smith, Director of Legal, Trust and Ethics, Health Data Research UK**
15:30 – 16:00	**COFFEE BREAK** (Hall 1 and 2, Exhibition)		
16:00 – 16:50	**Keynote 4**: **Dr John Halamka,** Dwight and Dian Diercks President, Mayo Clinic Platform Chair: Dame Janet Thornton, Health Data Research UK TITLE: Mayo Clinic Platform: Harnessing the power of platform thinking to transform care **Lomond Auditorium**		
16:50 – 17:00	**Summary remarks and close / *Lightning Talk Award** **Katie Wilde,** Co-Director of HDR UK Scotland and Grampian Safe Haven (DaSH) Director and Head of Digital Research at University of Aberdeen **Lomond Auditorium**		
17.00 – 18.00	**DRINKS RECEPTION and POSTER Exhibition** (Hall 1 and 2, Exhibition)		
18:00	**CLOSE**		

18.30 - 21.30	**Conference Dinner** (M1, Mezzanine)	

16th October

Time	Sessions		
08:30 – 09:30	**ECR Breakfast Event** (Registration, Hall 1 and 2, Event Alsh 1)		
08:45 – 09:30	**ARRIVAL, TEA and COFFEE** (Hall 1 and 2, Exhibition)		
09:30 – 09:45	**Welcome address:** Emily Jefferson - Chief Technology Officer, HDR UK and Interim Director, DARE UK **Lomond Auditorium**		
09:45 – 10:30	**Keynote Speaker 5:** **Panel Talk** Chair: Sir David Sloman, Senior Advisory Consultant, SDMS Advisory Ltd. TITLE: Health Data Research Service	**Panellists:** **Ming Tang,** Interim Chief Digital & Information Officer, and Chief Data & Analytics Officer, NHS England **Dr Richard Torbett,** Chief Executive at ABPI **Lomond Auditorium**	
10:30 – 11:00	**COFFEE BREAK** (Hall 1 and 2, Exhibition)		
11:00 – 12:15	**Stream 7 - Lomond Auditorium**	**Stream 8 – Alsh 1**	**Stream 9 – Alsh 2**
	THEME: Data-driven solutions to NHS pressures Chair: Anthony Wilson, Consultant at Manchester University NHS Foundation Trust **Speakers:** *Unscheduled Care in the Last Year of Life for People with Multimorbidity: A National Cohort Study* - **Sarah Bowers** *Enabling exploration of the dynamics of service pressure* - **Tristram Gale** *Using health data to influence COVID-19 policy decisions – A study to assess the impact of COVID-19 vaccination uptake on stroke,*	**THEME: Public and patient involvement and engagement (PPIE) throughout the research cycle** Chair: Farheen Yameen, Public Adviser in Applied Research Collaboration North West Coast (ARCNWC) **Speakers:** *Findings from a novel Citizen Panel project with minoritised groups reviewing data access process to linked longitudinal data* - **Robin Flaig** *Public Perspectives on NHS Data Use: Insights from the East of England SDE Engagement Workshops* - **Elsie Makachiya**	**THEME: Addressing societal challenges by linking health and non-health records** Chair: Jo Knight, Professor of Applied Data Science at University of Lancaster **Speakers:** *Preparing Lothian Healthcare Data for Federated Studies into Social Determinants of Health* - **Colin Mclean** *Maternal contact with social care services and their children's health and educational outcomes* - **Difei Shi**

	heart attack and blood clots - **Samantha (Hiu Yan) Ip** *Clustering Multiple Long-Term Conditions and Social Care Needs in 7.2M Adults: A 10-Year Study* - **Tassella Isaac** *Mapping risks of hospital-recorded health conditions in people with eczema* - **Julian Matthewman**	*Impact of Public & Patient Involvement (PPI) on health data research in children & young people* - **Kayleigh Mason** *The Power of Positive Participation: Meaningfully Engaging Young People in Health Research* - **Sarah Robertson** *Beyond the Dataset: Integrating Public Voices in Data Science* - **Ana Paula Rubio**	*The Homes, Heat and Healthy Kids Study: The role of underheated homes in preschool respiratory infection* - **Olivia Swann** *Heat-related deaths and hospitalisations across Scotland – 2005-2024* - **Isabella Tortora Brayda**
12:15 – 13:15	**Working well with the public in health data science - Workshop - Alsh 1**	**LUNCH** (Hall 1 and 2, Exhibition)	
13:15 – 14:30	**Stream 10 - Lomond Auditorium** **THEME: Innovating the data infrastructure** Chair: Amy Tilbrook, Health Data Research UK **Speakers:** *Easier Validation, Faster Approvals: Safe People Registry for streamlining Safe People verifications* - **Wendi Bacon** *IMPACT: an algorithm for phenotyping long-term conditions in UK electronic health records* - **Jonathan Batty** *Medicines in Acute and Chronic Care in Scotland (MACCS): a new linkable medicine intelligence research* - **Cosmika Goswami** *Data science design for conflict resolution within the Scottish Cancer Intelligence Platform* - **Tamsin Nash** *Can training and development change research culture and support non-traditional, hidden and technical roles* - **Ruth Norris**	**Stream 11 – Alsh 1** **THEME: Public health and health inequalities** Chair: Karyn Mégy, Associated Principal Scientist, Clinical Informatics Centre for Genomics Research **Speakers:** *Self-harm and suicide by sexual orientation – A national population-based study in England and Wales* - **Hannah Bunk** *Towards Cleaner Air: PM2.5 Exposure and Disparities Around Childcare Providers in England* - **Joana Cruz** *Breast Cancer Inequities Using Real World Data Mapped to the OMOP CDM from Pakistan and the UK* - **Rabia Khan** *How well do women understand their menstrual cycles? Insights from 383,085 UK based women* - **Esther Wainwright** *Understanding the distribution of cancer and stage of diagnosis across geographic regions in England* - **Elizabeth Wrench**	**Stream 12 – Alsh 2** **THEME: Public and patient involvement and engagement (PPIE) throughout the research cycle** Chair: Jan Speechley, Public Advisory Board, Health Data Research UK **Speakers:** *How UKLLC and its public contributors work together to evolve their data access process* - **Kirsteen Campbell** *Meaningful patient and public involvement in large electronic health database research* - **Ruth Jack** *Leading With Public and Patient Involvement and Engagement in Public-Private Data Partnerships* - **Brian Kennedy** *Who Decides: Involving the public in deciding how administrative data is used for research* - **Katie Oldfield** *Co-producing Public Involvement and Engagement Guidance for research using pseudonymised address data* - **Ruth Blackburn**
14:30 – 15:00	**COFFEE BREAK** (Hall 1 and 2, Exhibition)		

15:00 – 16:15	**Keynote Speaker 6:** **Panel Talk** TITLE: UK data assets Chair: Professor Cathie Sudlow, Director, Adolescent Health Study **Lomond Auditorium**	**Speakers:** **Naomi Allen,** UK Biobank; **Professor Ben Goldacre,** OpenSafely; **Dr Raghib Ali,** Our Future Health; **Dr Ellen Thomas,** Genomics England
16:15 – 16:30	**Summary remarks and close Day 2** **Andrew Morris, Director,** Health Data Research UK **Lomond Auditorium**	
16:30	**CLOSE**	