



HEALTH AND CARE ANALYTICS

Conference 2023

11 – 12 July

University of Birmingham
Birmingham Medical School

Tuesday 11th July

Wolfson Common Room

08:30 – 09:30

Registration and Arrival Refreshments

Leonard Deacon Lecture Theatre

09:30 – 09:45

Peter Spilsbury

09:45 – 10:15

Ben Goldacre

10:15 – 10:40

Ming Tang and Sue Hill Talk 1

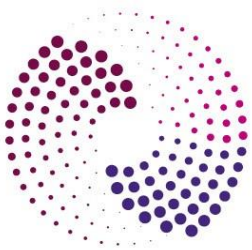
10:40 – 11:00

Ming Tang and Sue Hill Talk 2

Wolfson Common Room

11:00 – 11:20

Refreshment Break



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<p><u>Leonard Deacon Lecture Theatre</u> 11:20 – 11:50 Contributing our learning to the journey of professionalising analytics (30 mins)</p> <p><i>Charlotte Henderson, South Central and West Csu</i></p>	<p><u>Arthur Thompson Lecture Theatre</u> 11:20 – 11:50 Decision aiding tools for deceased donor offers when joining the transplant waiting list (30 mins)</p> <p><i>Lisa Mumford, NHS Blood And Transplant</i></p>	<p><u>Lecture Theatre 3</u> 11:20 – 11:35 A Geospatial App for the NHS (15 mins)</p> <p><i>Paul Carroll, NHS England</i></p> <p>11:35 – 11:50 Reducing carbon emissions and tackling inequalities in healthcare: a demonstration of how health analytics can support the bringing together of these two important agendas (15 mins)</p> <p><i>Anya Gopfert, University of Exeter</i></p> <p><i>Matthew Eves, Derbyshire Community NHS Foundation Trust</i></p>	<p><u>Lecture Theatre 4</u> 11:20 – 11:50 Unseen Risks: The Impact of COVID on Follow-Up Appointment Delays and Patient Harm in Eyecare Services (30 mins)</p> <p><i>Mark Crawford, NHS England</i></p>	<p><u>WF15</u> 11:20 – 11:35 Understanding health inequalities through machine learning (15 mins)</p> <p><i>Hugo Herrera, East Suffolk and North East Essex NHS FT</i></p> <p>11:35 – 11:50 Warmer Homes: research project to facilitate selective targeting and referral of people with cold-related health conditions for initiatives to combat fuel poverty and help residents heat their homes for less using greener and more energy-efficient solutions (15 mins)</p> <p><i>Sam Hicks, Staffordshire Centre for Data Analytics</i></p> <p><i>Dave Sugden, Staffordshire County Council</i></p>
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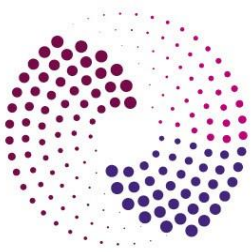
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<p><u>Leonard Deacon Lecture Theatre</u> 11:50 – 12:20 National Competency Framework for data professionals in health and care (30 mins)</p> <p><i>Andrew Lavelle, NHSE</i></p>	<p><u>Arthur Thompson Lecture Theatre</u> 11:50 – 12:05 Ethnic inequalities in exclusion from general practice performance monitoring (15 mins)</p> <p><i>Mai Stafford, The Health Foundation</i></p> <p>12:05 – 12:20 Vaccine effectiveness against the SARS-CoV-2 B.1.1.529 Omicron variant in solid organ and islet transplant recipients in England: a national retrospective cohort study (15 mins)</p> <p><i>Lisa Mumford, NHS Blood And Transplant</i></p>	<p><u>Lecture Theatre 3</u> 11:50 – 12:05 Crime and Poverty as a Predictor of Domestic Violence (15 mins)</p> <p><i>Donald Maruta, NHS North Central London ICB</i></p> <p>12:05 – 12:20 The automation of Open-Source CSVs to populate an ArcGIS Dashboard with Medical Facilities for NCL</p> <p><i>Donald Maruta, NHS North Central London ICB</i></p>	<p><u>Lecture Theatre 4</u> 11:50 – 12:05 Unintended consequences of the 18-week referral to treatment standard in NHS England: a threshold analysis (15 mins)</p> <p><i>Laura Quinn, University of Birmingham</i></p> <p>12:05 – 12:20 Forecasting ten-year demand and capacity across the Suffolk and North East Essex Integrated Care System, project impacts and lessons learned (15 mins)</p> <p><i>Alexander Royan, Suffolk and North East Essex LCB</i></p> <p><i>Hugo Herrera, East Suffolk and North East Essex NHS</i></p> <p><i>Callum Lillistone, Suffolk County Council</i></p>	<p><u>WF15</u> 11:50 – 12:05 Multimorbidity and socioeconomic deprivation and its effect on health utilisation in Northwest England: An analysis of the Combined Intelligence for Population Health Action (CIPHA) data (15 mins)</p> <p><i>Lucy Kaluvu, Edge Hill University</i></p> <p>12:05 – 12:20 Winter Warmth Dashboard (15 mins)</p> <p><i>Joe Cox, NHS SW London ICS</i></p>
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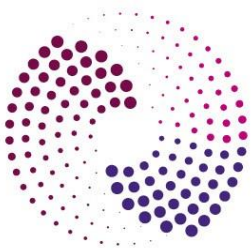
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<p><u>Leonard Deacon Lecture Theatre</u> 12:20 – 12:35 User-centred approaches to designing reporting tools (15 mins)</p> <p><i>Sam Brierley, South Central and West CSU</i></p>	<p><u>Arthur Thompson Lecture Theatre</u> 12:20 – 12:35 How whole-population national disease registration data is enabling improvements in care, outcomes and participation in research for people with rare disease (15 mins)</p> <p><i>Fiona Pearce, University of Nottingham</i></p>	<p><u>Lecture Theatre 3</u> 12:20 – 12:35 How geospatial modelling can ensure patients from a closing GP Practice get fair treatment (15 mins)</p> <p><i>Ian Maxfield, South Central and West Commissioning Support Unit</i></p>	<p><u>Lecture Theatre 4</u> 12:20 – 12:35 Analysis of patients waiting over 104 days from urgent suspected cancer referral to first cancer treatment (15 mins)</p> <p><i>Lorna Wills, Cancer Research UK/ NHS England</i></p>	<p><u>WF15</u> 12:20 – 12:35 <i>An early warning system supporting patients in Bedfordshire, Luton and Milton Keynes (BLMK) manage their diabetes (15 mins)</i></p> <p><i>Prasanth Peddaayavarla, Arden & Gem CSU</i></p> <p><i>Kamil Barczak, Arden & Gem</i></p>
<p><u>Corridors</u> 12:35 – 12:50 Poster Presentations</p>				
<p><u>Wolfson Common Room</u> 12:50 – 13:50 Lunch and Poster Presentations continued</p>				



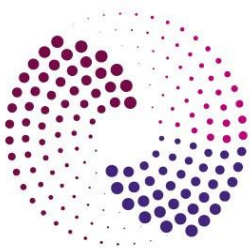
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<p><u>Leonard Deacon Lecture Theatre</u> 13:50 – 14:20 The prevalence of 281 common conditions in UK primary care data: automating studies in DExtER (30 mins)</p> <p><i>Neil Cockburn, University of Birmingham</i></p>	<p><u>Arthur Thompson Lecture Theatre</u> 13:50 – 14:20 Deaths at home during the Covid-19 pandemic and implications for patients and services (30 mins)</p> <p><i>Eilis Keeble, Nuffield Trust</i> <i>Sarah Scobie, Nuffield Trust</i></p>	<p><u>Lecture Theatre 3</u> 13:50 – 14:05 Development of structured analytical support for a large scale Urgent and Emergency Care (UEC) improvement programme (15 mins)</p> <p><i>Sygal Amitay, Nottingham University Hospitals NHS Trust</i></p> <p>14:05 – 14:20 Adapting a Shewhart chart application to identify growth phases for Covid-19 hospital demand and facilitate decisions about elective capacity and mutual aid (15 mins)</p> <p><i>Alberto Liuzzo Scorpo, NHS England</i></p>	<p><u>Lecture Theatre 4</u> 13:50 – 14:20 The factors influencing GP patient experience (30 mins)</p> <p><i>Chris Pottage, NHS England</i></p>	<p><u>WF15</u> 13:50 – 14:20 Projected patterns of long-term illness in the population of England to 2040: a microsimulation study (30 mins)</p> <p><i>Ann Raymond, Health Foundation</i></p>
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<p><u>Leonard Deacon Lecture Theatre</u> 14:20 – 14:58 Professionalisation Panel (38 mins)</p> <p><i>James Freed – Chair</i></p> <p><i>Rony Arafin</i></p> <p><i>Adrian Jones</i></p> <p><i>Sofyanah Ramzan</i></p> <p>14:58 – 15:36 What are the gaps in evidence around social care, what data is available and what is being done to fill those gaps? (38 mins)</p> <p><i>Julie Stanborough, ONS</i></p> <p><i>Sophie John, ONS</i></p> <p><i>Uma Moorthy, Department of Health & Social Care</i></p>	<p><u>Arthur Thompson Lecture Theatre</u> 14:20 – 14:50 Using case-mix adjustment and statistical methodologies to devise a fairer resource allocation formula for UK primary care (30 mins)</p> <p><i>David Shepherd, Leicester, Leicestershire and Rutland ICB</i></p> <p><i>Alan Thompson, Johns Hopkins Healthcare</i></p>	<p><u>Lecture Theatre 3</u> 14:20 – 14:50 A Pathway Approach to Measuring Healthcare Inequalities: An Example using Hypertension Patient Care (30 mins)</p> <p><i>Tom Bruss, NHS England</i></p>	<p><u>Lecture Theatre 4</u> 14:20 – 14:50 Measuring the impact of Electronic Patient Record systems (“EPRs”) on key outcomes in acute NHS providers (30 mins)</p> <p><i>Andrew Sylvester, NHS England</i></p> <p><i>Toby Lowton, NHS England</i></p>	<p><u>WF15</u> 14:20 – 14:50 Children's mental health care: discoveries (and disasters) during data linkage (30 mins)</p> <p><i>Jessica Butler, NHS Grampian</i></p>
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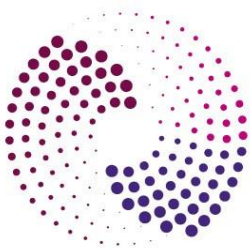
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<i>Matthew Bennett, ONS</i>				
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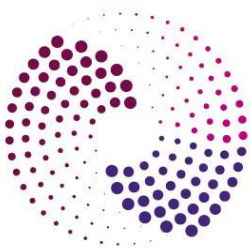
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	<p><u>Arthur Thompson Lecture Theatre</u> 14:50 – 15:05 From Dashboards to Knocking on Doors - delivering NHS England's Place Development Programme in Leicester (15 mins)</p> <p><i>Jon Adamson, MICSU</i></p> <p><i>Paul Miles, Leicester City Council</i></p> <p>15:05 – 15:20 Linking Newcastle health and social care data at user-level to identify inefficiency, inequality, and duplication (15 mins)</p> <p><i>Rich Bilsborough, Collaborative Newcastle</i></p>	<p><u>Lecture Theatre 3</u> 14:50 – 15:20 An Evaluation of the Better Housing Better Health+ Initiative in Oxfordshire (30 mins)</p> <p><i>Adam Cook, NHS South Central & West Commissioning Support Unit</i></p>	<p><u>Lecture Theatre 4</u> 14:50 – 15:20 Linked Data for Health Analysis: ONS Public Health Data Asset (30 mins)</p> <p><i>Isobel Ward, Office for National Statistics</i></p> <p><i>Daniel Ayoubkhani, Office for National Statistics</i></p> <p><i>Vahe Nafilyan, Office for National Statistics</i></p>	<p><u>WF15</u> 14:50 – 15:05 Multidisciplinary approach to analysis of paracetamol overdose in the younger population of the southeast in England (15 mins)</p> <p><i>Simon Cruickshank, NHS England</i></p>
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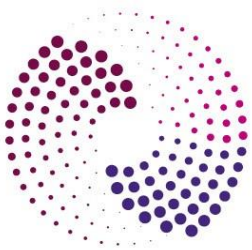
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	<p><u>Arthur Thompson Lecture Theatre</u> 15:20 – 15:35 Leicester, Leicestershire and Rutland Health Inequalities Support Unit (15 mins)</p> <p><i>Janine Dellar, Leicester, Leicestershire and Rutland ICB</i></p>	<p><u>Lecture Theatre 3</u> 15:20 – 15:35 Digital inclusion and GP online services use characterised by sociodemographic and clinical factors (15 mins)</p> <p><i>Martina Bargeman Fonseca, NHS England</i></p>	<p><u>Lecture Theatre 4</u> 15:20 – 15:35 Tobacco and Alcohol Dependence Data: From Conception to Dashboards (a description of the creation of national patient level data collections and the analysis and visualisation of the resultant data) (15 mins)</p> <p><i>Tom Frost, NHS England</i></p> <p><i>Jack Hodgson, NHS England</i></p> <p><i>Bethany Thompson, NHS England</i></p>	<p><u>WF15</u> 15:20 – 15:35 Associations between Fenofibrate and Risk of Sight-Threatening Diabetic Retinopathy Progression in People with Type 2 Diabetes: A Cohort Study with Prevalent New-user Design (15 mins)</p> <p><i>Luyuan Tan, University of Birmingham</i></p>
<p><u>Wolfson Common Room</u> 15:35 – 15:50 Refreshment Break</p>				
<p><u>Leonard Deacon Lecture Theatre</u> 15:50 – 16:20 <i>Prof. Richard Riley (30 mins)</i></p>				



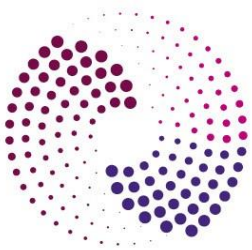
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<p><u>Leonard Deacon Lecture Theatre</u> 16:20 – 16:35 Understanding the operational consequences of case mix changes on services for complex patients in a specialist tertiary paediatric NHS trust (15 mins)</p> <p><i>William Bryant, Great Ormond Street Hospital NHS Trust</i></p>	<p><u>Arthur Thompson Lecture Theatre</u> 16:20 – 16:35 Understanding the enablers and barriers to the use of evidence in strategic decision making within Adult Social Care (15 mins)</p> <p><i>Clare Humble, Strategy Unit</i></p>	<p><u>Lecture Theatre 3</u> 16:20 – 16:35 Exploring a diverse population, visualising challenges and tracking progress: learning from the development of an insight platform to drive change and upskill decision makers (15 mins)</p> <p><i>Sarah Houston, UCL Partners</i></p>	<p><u>Lecture Theatre 4</u> 16:20 – 16:35 Improving the evidence on ethnicity and health inequalities (15 mins)</p> <p><i>Rosemary Drummond, Office for National Statistics</i></p>	<p><u>WF15</u> 16:20 – 16:50 Rolling out Reproducible Analytical Pipelines within NHS England: Faster, more robust and more transparent analysis, and how you can do it too! (30 mins)</p> <p><i>Sam Hollings, NHS England</i></p>
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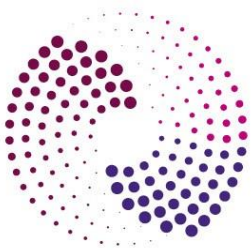
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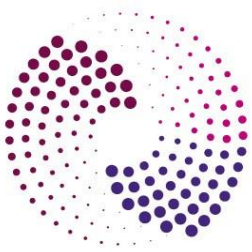
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<p><u>Leonard Deacon Lecture Theatre</u> 16:35 – 17:05 An introduction to the New Hospital Programme Demand Model (30 mins)</p> <p>Tom Jemmett, Strategy Unit</p>	<p><u>Arthur Thompson Lecture Theatre</u> 16:35 – 16:50 Care homes and estimating the self-funding population, England: 2022-2023 (15 mins)</p> <p>Sophie John, Office for National Statistics</p> <p>Sarah Barrett, Office for National Statistics</p> <p>16:50 – 17:05 A case study in culture change: Making business intelligence illuminate, not intimidate (15 mins)</p> <p><i>Jennifer Wood, Strategy Unit</i></p>	<p><u>Lecture Theatre 3</u> 16:35 – 17:05 Helping Social Prescribers: utilising machine learning within a case finding tool (30 mins)</p> <p><i>Farah Adam, Arden & Gem CSU</i></p> <p><i>An Te, Arden & Gem CSU</i></p>	<p><u>Lecture Theatre 4</u> 16:35 – 16:50 A data-led approach to better target stroke prevention and care in South Yorkshire (15 mins)</p> <p><i>Leon Green, Office for Health Improvement and Disparities</i></p> <p>16:50 – 17:05 Best Start in Life: Estimated take up of NHS Dental, Prescribing and Supporting Schemes (15 mins)</p> <p><i>Lucy Sherwin-Robson, NHSBSA</i></p>	
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<p><u>Leonard Deacon Lecture Theatre</u> 17:05 – 17:35 Towards Operational Intelligence: Predicting emergency admissions by hospital speciality using real-time EHR data and Machine Learning (30 mins)</p> <p><i>Zella King, University College London</i></p> <p><i>Craig Wood, University College London</i></p>	<p><u>Arthur Thompson Lecture Theatre</u> 17:05 – 17:35 Learning from the Lambeth Early Action Partnership: Linking data across services to evidence improved parent and child outcomes (30 mins)</p> <p><i>Sophie Hedges, National Children's Bureau</i></p> <p><i>Rose Davidson, National Children's Bureau</i></p>	<p><u>Lecture Theatre 3</u> 17:05 – 17:20 Covid-19: a local intelligence and analytical response to the pandemic (15 mins)</p> <p><i>Jo Davis, Royal Cornwall Hospitals NHS Trust</i></p>	<p><u>Lecture Theatre 4</u> 17:05 – 17:20 Leveraging NHS prescription and prescription exemption data to highlight potential healthcare inequalities in the Core20 population (15 mins)</p> <p><i>Steven Buckley, NHSBSA</i></p> <p>17:20 – 17:35 Recovery and non-recovery for locality populations with chronic conditions; a study matching historic rates of hospital admissions and mortality from respiratory and cardiovascular causes, with small-area characteristics and rates of condition and illness prevalence from linked individual 2021 Census and primary care records (15 mins)</p> <p><i>Tom Hennell and Emma Das, OHID Local Knowledge and Intelligence Service North West</i></p>	
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The Botanical Gardens Conference Dinner

18:30 – 23:00

The Birmingham Botanical Gardens
Westbourne Rd,
Birmingham B15 3TR

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