

BHF Data Science Centre Research Showcase agenda:

10:00am	<p>Welcome to the showcase Chair: Prof Cathie Sudlow</p> <ul style="list-style-type: none"> • Introductory comments – Prof Sir Nilesh Samani and Prof Andrew Morris • Introducing the BHF Data Science Centre – Dr Lynn Morrice • A Patient’s Perspective – Kelvin Pitman
10:35am	<p>Keynote session Chair: Prof Sir Nilesh Samani</p> <ul style="list-style-type: none"> • Creating the future of healthcare – Dr Doug Gurr
11am	Coffee break
11:15am	<p>How large-scale health data is used in cardiovascular research Chair: Prof Angela Wood</p> <ul style="list-style-type: none"> • CVD-COVID-UK: Understanding relationships between COVID-19 and cardiovascular diseases through analyses of linked, nationally collated healthcare datasets – Prof Angela Wood • Making life easier for researchers: the pathway to research-ready data – Dr Tom Bolton & John Nolan • Phenotyping COVID-19: Insights from linked data for 56 million individuals – Dr Chris Tomlinson • Association of COVID-19 infection and vaccination with arterial and venous vascular diseases using electronic health records from 48 million adults in England and Wales – Dr Venexia Walker • Using medicines to understand the impact of COVID-19 pandemic on cardiovascular disease prevention and management in England, Scotland, and Wales – Dr Caroline Dale • Q&A session – All
12 noon	<p>Keynote session Chair: Prof Cathie Sudlow</p> <ul style="list-style-type: none"> • South Asian White European differences in life course cardiometabolic risk: an example from Bradford of linking cohorts and routine health and social data – Prof Deborah Lawlor
12:25pm	Lunch break

Health Data Research UK

Gibbs Building, 215 Euston Road, London NW1 2BE
enquiries@hdruk.ac.uk | @HDR_UK | hdruk.ac.uk

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bhfdsc@hdruk.ac.uk | @BHFDataScience

1:15pm	<p>Understanding cardiovascular disease using imaging data Chair: Prof Cathie Sudlow</p> <ul style="list-style-type: none"> • Cardiac imaging across populations – Prof Declan O’Regan • Federated learning and how to bring big data to AI models – Dr Jorge Cardoso • Cardiovascular imaging in 2022 – Prof Marc Dwek • Q&A session – All
2pm	<p>Data-enabled trials: learning from trials outside cardiovascular disease Chair: Prof Matt Sydes</p> <ul style="list-style-type: none"> • Data-Enabled Trials theme at the BHF Data Science Centre – Prof Matt Sydes • Use of routine health data in trials: the UKCTOCS perspective – Dr Alex Gentry-Maharaj • Use of routine data in clinical trials during pandemic: Experience from the PRINCIPLE trial – Prof Ly-Mee Yu • Q&A session – All
2:45pm	Coffee break
3pm	<p>Wearables, phenotyping and cohorts Chair: Prof Cathie Sudlow</p> <ul style="list-style-type: none"> • Defining and redefining disease phenotypes at scale using electronic health records – Prof Spiros Denaxas • How do we maximise the benefits and minimise the risks of personal monitoring data? – Prof Tim Chico • Embedding cardiovascular research into routine health care – Prof Reecha Sofat
3:25pm	<p>Keynote session Chair: Prof Cathie Sudlow</p> <ul style="list-style-type: none"> • Implementation research in acute cardiac care: harnessing routine data – Prof Nick Mills
3:50pm	Reflections on the day, next steps, feedback, and survey – Prof Cathie Sudlow
4pm	Event concludes

For more details and to register, please visit our website [here](#).

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