HDRUK
Health Data Research UK

Health Data Science in the COVID-19 Era
Health Data Research UK 'One Institute' Conference 2020

16 June 2020

Agenda

PLENARY

09:30	**Welcome** Patrick Vallance, Government Chief Scientific Adviser and Co-Chair, Scientific Advisory Committee for Emergencies (SAGE)
09:35	**How has health data research in the UK pivoted for COVID-19?** Andrew Morris, Director, Health Data Research UK Caroline Cake, Chief Executive, Health Data Research UK
09:50	**International approaches to combatting the COVID-19 pandemic – how have data and technology been harnessed?** **Chair:** Rhos Walker, Chief Science Strategy Officer, Health Data Research UK **Panellists:** ● Andreas Poensgen, Managing Partner, Turgot Venture ● Effy Vayena, Chair of Bioethics, Swiss Institute of Technology (ETHZ) ● Teo Yik Ying, Dean of Saw Swee Hock School of Public Health, National University of Singapore
10:30	**Format & programme for the day** Rhos Walker, Chief Science Strategy Officer, Health Data Research UK
10:35	**BREAK**
	BREAKOUTS

	Stream 1	Stream 2
10:45	**Breakout 1: How do we make the UK world leading for COVID-19 clinical trials?** **Chairs:** • Martin Landray, Professor of Medicine and Epidemiology, University of Oxford & Research Director, HDR UK Oxford • Richard Torbett, Chief Executive, ABPI **Panellists:** • Janet Valentine, Director, Clinical Practice Research Datalink • Mark Toms, Chief Scientific Officer UK, Novartis Pharmaceuticals UK Ltd	**Breakout 2: COVID-19 Data – data definitions and new data types in a crisis** **Chairs:** • Richard Dobson, Professor of Biomedical and Health Informatics, Institute of Health Informatics, UCL • Helen Parkinson, Head of Molecular Archival Resources, EMBL-EBI **Panellists**: • Paul Clarke, Chief Technology Officer, Ocado • Tim Spector, Professor of Genetic Epidemiology and Director, TwinsUK Registry, Kings College London • Indra Joshi, Director of AI, NHSX
11:35	BREAK	
11:45	**Breakout 3: Understanding the causes of disease & COVID 19 – connecting molecular science with health records** **Chairs:** • John Danesh, Professor of Epidemiology and Medicine and Head of Department, Public Health and Primary Care, University of Cambridge & Research Director, HDR UK Cambridge • Adam Butterworth, Reader in Molecular Epidemiology, University of Cambridge **Panellists:** • Ewan Harrison, UKRI Innovation Fellow, Wellcome Trust Sanger Institute and COG-UK • Mark Caulfield, Chief Scientist, Genomics England • Aroon Hingorani, Chair of Genetic Epidemiology, UCL	**Breakout 4: How are Health Data Research Hubs & BHF Data Science Centre supporting COVID-19 Research?** **Chairs:** • Cathie Sudlow, Director, BHF Data Science Centre • Sarah Brooke, Deputy Chair, Public Advisory Board, Health Data Research UK **Panellists:** • Amitava Banerjee, Associate Professor in Clinical Data Science & Honorary Consultant Cardiologist, Institute of Health Informatics, UCL • Geoff Hall, Clinical Lead & Deputy Director, DATA-CAN – The Health Data for Cancer • Jenni Quint, Chief Clinical Officer & Deputy Director, BREATHE – The Health Data Research Hub for Respiratory Health
12:35	BREAK	

	PLENARY
12:45	**Rapid fire early career lightning talks** Featuring high impact, innovative exemplars of work which provides new insights, and progresses HDR UK's mission. The talks will be delivered by early career researchers, technologists and innovators across the HDR UK community who have been selected by an independent panel following an open competition. **Chairs**: ● Lucy McCloughan, Health Data Programme Manager, University of Edinburgh ● Rona Strawbridge, HDR UK Fellow, University of Glasgow
13:15	 LUNCH BREAK

Stream 1	Stream 2
13:50 **Breakout 5: Better care – role of data at the frontline of the COVID-19 response** **Chairs**: ● Simon Ball, Executive Medical Director, University Hospitals Birmingham, NHS Trust & Research Directors, HDR UK Midlands ● Alastair Denniston, Director, INSIGHT – The Health Data Research Hub for Eye Health **Panellists**: ● Liz Sapey, Director, PIONEER – The Health Data Research Hub for Acute Care & Managing Director of NHR Clinical Research Facility Birmingham ● Ben Goldacre, Director, The DataLab ● Sue Mason, Professor of Emergency Medicine, University of Sheffield	**Breakout 6: Responding to the public health emergency of COVID-19** **Chairs**: ● Peter Bradley, Director of Health Intelligence, Public Health England ● Jill Pell, Director, Institute of Health and Wellbeing, University of Glasgow **Panellists**: ● Ronan Lyons, Clinical Professor of Public Health, University of Swansea & Director, HDR UK Wales & Northern Ireland ● Julian Flowers, Head of Data Science, Public Health England ● David Goldberg, Consultant in Public Health Medicine and Consultant Clinical Epidemiologist, Public Health Scotland

14:40	**BREAK**	
14:50	**Breakout 7: What do national and international health data researchers need in a post-COVID-19 world?** **Chairs:** • Andrew Morris, Director, Health Data Research UK • Emily Jefferson, Chair in Health Data Science, University of Dundee **Panellists:** • Gerry Reilly, Chief Technology Officer, Health Data Research UK • Steve Kern, Deputy Director, Quantitative Sciences, Bill & Melinda Gates Foundation • Tim Hubbard, Professor of Bioinformatics, King's College London and Associate Director, HDR UK London	**Breakout 8: Relationship of trust – realising patient and NHS benefits in times of COVID-19** **Chairs:** • Jonathan Montgomery, Professor of Healthcare Law, UCL • James O'Shaughnessy, Former Under-Secretary of State, Department of Health and Social Care **Panellists:** • Angela Coulter, Chair, HDR UK Public Advisory Board • Phil Booth, Coordinator, medConfidential
15:40	BREAK	
15:50	**Fireside chat: How will data and technology influence the future of clinical and regulatory science?** Amy Abernethy, Principal Deputy Commissioner of Food and Drugs, the FDA, USA and Chair, HDR UK International Advisory Board *In conversation with* Andrew Morris, Director, Health Data Research UK	
16:25	**Celebrating partnership in health data science across the UK: Prize for 'Impact of the Year', 'Team of the Year' & Lightning Talks** • Best early career lightning talk – presented by Rona Strawbridge, HDR UK Fellow, University of Glasgow • Team of the year – presented by Anne-Marie Coriat, Co-Chair, Research on Research Institute • Impact of the year – presented by James O'Shaughnessy, Former Under-Secretary of State, Department of Health and Social Care	
16:35	**Closing remarks** Caroline Cake, Chief Executive, Health Data Research UK	
16:45	**CLOSE**	