Sowerby eHealth Symposium

The digital transformation of the NHS

Thursday 12th October 2017
BMA House Conference & Events Venue

Event Programme
Introduction

I am pleased to welcome you to the BMA House for the fourth Sowerby eHealth Symposium. In 2011, the Peter Sowerby Foundation was established as a charitable trust to direct funds towards Peter Sowerby’s charitable objectives, and those of his late wife Ann. The Foundation’s principal aim is to have a lasting impact through supporting well researched initiatives that can make positive changes in aspects of primary healthcare.

In March 2013, the Institute of Global Health Innovation became one of the charity’s first grantees. Peter Sowerby was a GP and entrepreneur who helped pioneer the use of electronic records in patient care at his surgery in North Yorkshire, and in 1987 founded the company now known as EMIS. It was an important milestone in the early phases of what we now know as the eHealth movement, which embraces information technology in patient care and ensured that the UK was a leading global force in primary care electronic records.

At this year’s conference, we will hear from a diverse range of speakers, including researchers, doctors, and government advisers, about leadership for digital transformation in the NHS. The NHS Digital Academy led by Imperial College London’s Institute of Global Health Innovation in partnership with Harvard Medical School and The University of Edinburgh will train a cadre of individuals who will become the future digital leaders of the NHS. The programme will give them the leadership skills, health system and technical knowledge, and the professional network they need to bring about transformational change in their organisations, and across the health system. The other main topics for the symposium will include a discussion on how to improve the evaluation of digital solutions and how the benefits of data initiatives can best be communicated to the public.

We thank you for joining us, for what promises to be a very interesting and thought provoking discussion – taking stock of progress made since last year, and how best to focus our energies and expertise in the future.

Note that the event will host a live Twitter feed and you are encouraged to join the debate using the hashtag #Sowerby2017 in your tweets.

Professor the Lord Ara Darzi
Director, Institute of Global Health Innovation, Imperial College London
Conference Agenda

8:30 - 9:00  REGISTRATION AND COFFEE BREAK

9:00 - 9:10  Welcome
Professor the Lord Darzi, Director, Institute of Global Health Innovation, Imperial College London

9:10 - 9:20  Introduction
Sir Nick Partridge, Former Deputy Chair of NHS Digital

9:20 - 9:40  Keynote - The NHS Digital Academy
Rachel Dunscombe, CEO NHS Digital Academy

9:40 - 10:10  Panel discussion:
How do we develop leaders for the NHS digital transformation?
Moderator: Sir Nick Partridge, Former Deputy Chair of NHS Digital

Rachel Dunscombe
CEO NHS Digital Academy

Professor Keith McNeil
Chief Clinical Information Officer, Health & Social Care, Department of Health

Professor Aziz Sheikh
Professor of Primary Care Research and Development at the University of Edinburgh

Will Smart
NHS Chief Information Officer for Health and Social Care

10:10 - 10:30  TEA AND COFFEE BREAK

10:30 - 10:50  Keynote - The digital transformation of the NHS
Sarah Wilkinson, CEO, NHS Digital

10:50 - 11:10  Research by the Sowerby eHealth Forum
Erik Mayer, Clinical Senior Lecturer, Imperial College London

11:10 - 11:40  Panel discussion
How can we evaluate digital solutions?
Moderator: Sir Nick Partridge, Former Deputy Chair of NHS Digital

Alexander Carter
Health Economist, Imperial College London and Associate Academic, London School of Economics and Political Science

Professor Trisha Greenhalgh
Co-Director of the Interdisciplinary Research in Health Sciences Unit, University of Oxford

Dr David Stables
Co-founder, EMIS

Dr Niamh Lennox-Chhugani
The NHS and Local Government Lead of Optimity Advisors Europe
11:40 - 12:10  Panel discussion:
How can we communicate data sharing to the public?
Moderator: Sir Nick Partridge, Former Deputy Chair of NHS Digital

Simon Burall
Senior Associate, Involve

John Marsh
Patient Representative

Erik Mayer
Clinical Senior Lecturer, Imperial College London

Nicola Perrin
Head, Understanding Patient Data, Wellcome

12:10 - 12:20  Conclusions
Sir Nick Partridge, Former Deputy Chair of NHS Digital

12:20 - 13:20  Lunch and poster viewing

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Professor the Lord Darzi of Denham  
PC KBE FRS FMedSci HonFREng

Lord Darzi is Director of the Institute of Global Health Innovation at Imperial College London. He also holds the Paul Hamlyn Chair of Surgery at Imperial College London and the Institute of Cancer Research, and is Executive Chair of the World Innovation Summit for Health in Qatar. He is a Consultant Surgeon at Imperial College Hospital NHS Trust and the Royal Marsden NHS Trust.

Lord Darzi is also Chair of the Qatar National Cancer Committee, Vice-Chair of the Board of Governors of Sidra Medical and Research Centre and a Member of the Qatar Foundation Advisory Board. In 2014, Lord Darzi was awarded the Qatari Sash of Independence by His Highness the Emir Sheikh Tamim bin Hamad al-Thani in recognition of his contribution to Qatar’s health sector.

Lord Darzi leads a large multidisciplinary team across a diverse portfolio of academic and policy research. He has published over 1,000 peer-reviewed research papers to date, developing his status as a leading voice in the field of global health policy and innovation. In recognition of his achievements, Professor Darzi was elected a Fellow of the Academy of Medical Sciences, an Honorary Fellow of the Royal Academy of Engineering, a Fellow of the Royal Society and a foreign associate of the Institute of Medicine.

In 2002, he was knighted for his services in medicine and surgery, and was introduced to the United Kingdom’s House of Lords as Professor the Lord Darzi of Denham in 2007. He has been a member of the Privy Council since June 2009 and was awarded the Order of Merit in January 2016.

Sir Nick Partridge  
Former Deputy Chair of NHS Digital

Sir Nick Partridge is a leading British healthcare and HIV/AIDS activist. He worked for the Terrence Higgins Trust from 1985 to 2013 and was appointed its Chief Executive in 1991. Under his leadership the Trust became the largest community-based HIV and sexual health organisation in the UK. He was Chair of INVOLVE from 1999 to 2011 and Deputy Chair of NHS Digital from 2013 to 2017. He is currently Chair of the Clinical Priorities Advisory Group at NHS England and a member of the Understanding Patient Data steering committee.

Rachel Dunscombe  
CEO, NHS Digital Academy

Rachel Dunscombe is the Director of Salford Royal Group and was appointed as CEO of the NHS Digital Academy. She was previously CIO at Bolton FT and is currently chair of the HIMSS UK Advisory Board. Rachel is working on new research studies to follow the Salford Lung Study and is a member of the KLAS research advisory board. As part of her role at Salford she is delivering the Global Digital Exemplar and two NHS Vanguards. She is also a board member for the ISD network, the north-west professional network for informatics, and a member of US organisation Chime, the professional body for CIOs.
Professor Keith McNeil  
Chief Clinical Information Officer, Health & Social Care, Department of Health

Keith is the first NHS Chief Clinical Information Officer. He is a former transplant specialist who has held many senior roles in healthcare management around the world, including Chief Executive Officer at Addenbrooke’s Hospital, Cambridge University Hospitals NHS Foundation Trust and CEO at the Royal Brisbane and Women’s Hospital Australia.

Professor Aziz Sheikh  
Professor of Primary Care Research and Development at the University of Edinburgh

Professor Aziz Sheikh is the Co-Director of the NHS Digital Academy, Professor of Primary Care Research and Development at the University of Edinburgh and Director of its Usher Institute of Population Health Sciences and informatics. He is also the Director of the Asthma UK Centre for Applied Research. He has been honoured with an OBE for services to medicine and healthcare, and 7 fellowships from learned societies.

Will Smart  
NHS Chief Information Officer for Health and Social Care

Will is the Chief Information Officer for Health and Social Care. He was a former CIO at the Royal Free London NHS Foundation Trust and has had an extensive career in IT across the NHS and in the private sector.

Sarah Wilkinson  
CEO, NHS Digital

Sarah Wilkinson is CEO of NHS Digital, the executive body of the Department of Health which provides information, data and IT systems for health and social care nationally. Prior to joining NHS Digital, Sarah was CIO at The Home Office, and prior to that worked in Financial Services where she held CIO roles at Credit Suisse, UBS, Deutsche Bank and Lehman Brothers. Sarah is a member of the Audit, Risk and Compliance Committee of Kings College London, a Non-Executive Director of the Police ICT Company and an Advisory Board member at Imperial College and Oxford University. She has also worked as an advisor to various technology start-ups.
Mr Erik Mayer
Clinical Senior Lecturer, Imperial College London

Mr Erik Mayer is a Clinical Senior Lecturer at Imperial College London. He is an Honorary Consultant Surgeon at Imperial College Hospital NHS Trust and The Royal Marsden Hospital.

He has completed a PhD thesis evaluating aspects of the Quality of Care in Surgery with emphasis on improved techniques for appraising surgical performance and outcomes. Continued research in this area is undertaken in the Centre for Health Policy (Institute of Global Health Innovation), Imperial College London, and includes evaluating metrics that encompass the entire patient pathway and novel assessment tools for capturing the quality of patient experience during treatment episodes. His research blends big data analytical techniques and qualitative methods to evaluate quality and safety in healthcare. He is Theme lead for ‘Partnering with Patients for Safer Care’ in the NIHR Imperial Patient Safety Translational Research Centre, Academic Lead for the Big Data and Analytical Unit and the Sowerby eHealth forum in the Centre for Health Policy, Imperial College London and chairs the Clinical Analytics Steering Group at Imperial College Hospital NHS Trust.

Alexander Carter
Health Economist, Imperial College London and Associate Academic, London School of Economics and Political Science

Alex Carter is a health economist in the Centre for Health Policy at the Institute of Global Health Innovation, Imperial College London (ICL). His research focuses on the economic impact of quality improvement programs in the NHS and draws on methods used for the economic evaluation of health care programs. As part of the patient safety program led by Professor Darzi, Alex’s research aims to develop methods for assessing the value of information systems in healthcare, which should support the future design of these systems. Alex co-leads and teaches ‘Health Systems and Policy’ and ‘Financing Healthcare’ on the MSc in Health Policy at ICL. Before joining the Centre, Alex worked in the United States and Europe as a strategy analyst in the pharmaceutical industry and completed his Master’s degree in health policy and economics at the LSE. He holds a Master’s degree in Applied Physiology from King’s College London.

Professor Trisha Greenhalgh
Co-Director of the Interdisciplinary Research in Health Sciences Unit, University of Oxford

Trisha Greenhalgh is the Co-Director of the Interdisciplinary Research In Health Sciences unit, Oxford University where she leads a programme of research at the interface between social sciences and medicine. She is joint module coordinator on the Knowledge Into Action of the MSc in Evidence Based Health Care. Her current research projects include: Partnership for Health, Wealth and Innovation, a research-on-research study of the co-creation and implementation of innovations in the Oxford Biomedical Research Centre; Studies of Co-creating Assisted Living Solutions (SCALS); the NIHR-funded VOCAL study of the conversational dynamics in remote consultations; and the NIHR-funded RAMESES-II study to develop methodological standards for realist evaluation. She is also a fellow at Green Templeton College.
Dr David Stables  
Co-Founder, EMIS

David Stables was co-founder of EMIS with Dr Peter Sowerby in 1987. He has been Trustee of Endeavour Health Charitable Trust since 2013. From 2010 to 2013, David was the Director of development strategy at EMIS Group plc, and prior to this position he was the Clinical and Development Director for EMIS Ltd.

Dr Niamh Lennox-Chhugani  
The NHS and Local Government Lead of Optimity Advisors Europe

Niamh Lennox-Chhugani’s research and advisory interests have always focused on the human factors in the delivery of innovative models of care across organisational boundaries and real-world implementation of public sector policies. Since 2014, she has been the Healthcare Lead for Optimity Advisors Europe. Previously, she worked in the NHS, Deloitte Consulting, Imperial College London and as an independent advisor for the World Bank and World Health Organisation.

Simon Burall  
Senior Associate, Involve

Simon Burall has been a Senior Associate at Involve since January 2017, prior to which he was the Director of Involve from 2009. Involve are experts in public engagement, participation and dialogue. Simon is also a Fellow of WWF-UK.

John Marsh  
Patient Representative

John Marsh was diagnosed with bowel cancer through the screening programme almost nine years ago. He is a firm believer in the responsible use of lifestyle, demographic, clinical and genetic information to drive forward healthcare quality, outcomes and research and has acted as a Patient Representative on several projects in that area. His career included some years as Operations Director for Europe’s largest consumer information company and more recently included interim roles in the NHS including IS Director of an NHS Trust. He has regularly spoken to groups of people on behalf of Bowel Cancer UK and was one of two patient representatives on the joint CRUK/MacMillan project. John is also a Programme Board Member on the National Cancer Diagnosis Audit.

Nicola Perrin  
Head, Understanding Patient Data, Wellcome

Nicola Perrin leads the Understanding Patient Data initiative at Wellcome, having previously been Head of Policy for ten years. Nicola has also worked at the Nuffield Council on Bioethics and the Science Museum, and she is a Trustee of the Association of Medical Research Charities.
Poster sessions

The impact of an inpatient electronic prescribing system on prescribing error causation: a qualitative evaluation in an English hospital
Seetal Jheeta, Byrorny Dean Franklin

Mobile Senior Clinical Summary
Alvaro Ferreira da Silva, Maria Leonor Silva

Wearable sensors towards digital transformation: starting with the right data
Richard Kwasnicki, Ara Darzi

Research Outputs of England’s Hospital Episode Statistics (HES) Database: Bibliometric Analysis
Zain Chaudhry, Fahmida Mannan, Angela Gibson-White, Usama Syed, Shirin Ahmed, Azeem Majeed

Impact of electronic record keeping on improving patient care and professional education
Louis Koizia, Natalia Barton, Colin Mitchell

The determinants of dying where we choose: An analysis of the Coordinate My Care Digital Service
Thomas Callender, Julia Riley, Helen Broadhurst, Natasha Wiggins, Amanda Shaw, Stephanie Archer, Ara Darzi, Joanne Droney

The unique partnership behind developing a paediatric self-management sleep app
Heather E. Elphick, Vicki Dawson, Angel Jimenez-Aranda, Michael Boyle, Nathaniel Mills, Ruth Kingshott, Paul O’Brien

Views of the future care planning in patients aged over 70 years old and carers: Developing a strategy for qualitative research through co-design
Anna-Maria Bielinska, Stephanie Archer, Julia Riley, Katie Urch

Identifying characteristics of inter-organisational patient sharing in England through network analysis
Jonathan Clarke, Leigh Warren, Sonal Arora, Ara Darzi

The long term conditions NHS England Test Bed – A partnership between industry and the NHS: early successes and learnings
Andrew Moss, Ron Basuroy, Rashida Kapasi, Kuldip Sembhi, Samuel Pygall, Elodie Denjean, Emilie Taymor, Chris Duffy, Shaaz Mahboob, Junaid Bajwa
Tablet computers for implementing NICE antenatal mental health guidelines – Feasibility study
Martin E. Cohn, Nikolaos Mastellos, Kevin Doherty, Jose S. Marcano-Belisario, Gavin Doherty, John M. O’Donoghue, Azeem Majeed, Josip Car

Evaluating the effectiveness of real-time patient experience feedback: a systematic review
Mustafa Khanbhai, Kelsey Flott, Ara Darzi, Erik Mayer

Impact of electronic prescribing on medication review during ward rounds
Yogini Jani

Developing drug libraries for smart infusion pumps: exploring governance arrangements at different organisations
Yogini Jani

How can we address the gaps in fulfilment of the 2020 promise?
Hebe Middlemiss

Private online video consulting in primary care: leaving the cat to guard the cream?
Louis Peters, Geva Greenfield, Azeem Majeed, Benedict Hayhoe

The NIHR Health Informatics Collaborative: sharing electronic NHS clinical information to capture the hepatitis C treatment revolution
Christopher R. Jones, Ben Glampson, A. Torm Shaw, David Smith, The NIHR HIC Hepatitis Collaboration, Eleanor Barnes, Graham S. Cooke

A digital health capability index of 154 countries
Melek Somai, Michelle van Velthoven, James Barlow

Challenges faced by older adults and their family using a tele-monitoring and telecommunication system at home
Sophie Spitters, Matthijs Noordzij, Julie Reed, Herjan van den Heuvel

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This conference is made possible by the support of the Peter Sowerby Foundation, whose grant to the Institute of Global Health Innovation supports a programme of research and development in this area.

The Peter Sowerby Foundation was established in 2011, to direct the personal wealth of Dr Peter Sowerby as grants to organisations that meet the charitable objectives of Dr Peter Sowerby and his late wife, Ann.

The Institute of Global Health Innovation works to improve global healthcare through evidence based innovation.

Get in touch

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Join the debate
Follow the event on Twitter using the hashtag #Sowerby2017