Digital Health and Care Congress

Enabling patient-centred care through information and technology

Keynote speakers
Tuesday 5 July

Matthew Swindells
National Director, Commissioning Operations and Information, NHS England

Dr Robert M Wachter
Author of *The digital doctor* and Professor and Interim Chairman, Department of Medicine, University of California, San Francisco

Mustafa Suleyman
Co-founder and Head of Allied Artificial Intelligence, Google DeepMind

Keynote speakers
Wednesday 6 July

Beverley Bryant
Director of Digital Transformation, Health and Social Care Information Centre

Dame Fiona Caldicott
National Data Guardian, Health and Social Care

Rt Hon Jeremy Hunt MP
Secretary of State for Health
Day one
Tuesday 5 July

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#kfdigital16
Session two: Breakout sessions
Delegates should choose to attend one of the following sessions. Please see below for more information on these.

T2A: Marlborough theatre, second floor
Supporting staff in care homes and hospices

T2B: Burdett theatre, ground floor
Assessing progress of the digital health agenda and looking to the future

T2C: Maynard theatre, lower ground floor
Using digital clinical communication to support young adults with long-term conditions: lessons from the LYNC study

T2D: Maxwell room, first floor
Digital innovations for people with mental health problems

Marlborough theatre, second floor
T2A: Supporting staff in care homes and hospices

11.30am
Welcome and introduction
David Maguire, Data Analyst, Health Policy, The King’s Fund

11.35am
Truth 3.0: Hearing the patient’s voice in emergency, urgent and advance care planning
• Review of a survey by NHS Blood and Transplant and a longitudinal study of 900 digital advance directive users suggesting that the public are open to creating videos and documents recording their preferences, values and goals prior to a health crisis.

Jonathon Carr-Brown, European Director, MyDirectives (created by ADVault)

11.50am
Supporting improvement through the development of an innovative hydration monitoring solution for care home settings
• Results of implementing an innovative mobile hydration application (app) developed in collaboration with a clinical commissioning group, software developers and care home managers in the North of England.

Dr Gemma Wilson, Senior Research Assistant, Northumbria University

12.05pm
The accurate measurement of pressure ulcers using tablet and smartphone technology
• Pressure ulcer prevention is a key NHS Outcomes Framework Improvement Area.
• The development of a repeatable and reliable measurement of pressure ulcers via tablet or mobile based software, and a look at potential uses.

Dr Ian Wiles, Medical Director, GPC

12.20pm
Questions and discussion

Burdett theatre, ground floor
T2B: Assessing progress of the digital health agenda and looking to the future

11.30am
Welcome and introduction
Matthew Honeyman, Researcher, Health Policy, The King’s Fund

11.35am
Delivering the benefits of digital health care
• Why it has been so difficult to successfully deploy information technology in health care and where the big opportunities are for technology to improve clinical outcomes and patient experience, with lessons on how to avoid expensive mistakes.

Candace Imison, Director of Health Care Systems, Nuffield Trust

11.50am
A review of progress and uptake of digital health innovations
• To what extent has government policy influenced the uptake, implementation and valuing of digital health solutions directed at patients?
• How do digital health innovations align with NHS five year forward view objectives such as enabling wellbeing, self-care and prevention, the engagement of professionals and service transformation potential?

Matt James, Assistant Director, 2020health
Kathy Mason, Associate, 2020health

12.05pm
An emerging world of digital medicines: a multi-episode study
• Using the concept of physical-digital medicine-hybrids to introduce three ‘digital medicine’ case studies, with potential lessons across clinical practice, health service management and supply chains.

Dr Anthony Cornford, Associate Professor in Information Systems, London School of Economics
Dr Valentina Lichtner, Senior Research Fellow, School of Health Care, University of Leeds

12.20pm
Questions and discussion
Maynard theatre, lower ground floor

T2C: Using digital clinical communication to support young adults with long-term conditions: lessons from the LYNC study

11.30am
Welcome and introduction
John Cruickshank, Partner, The IT Health Partnership

11.35am
Introduction to the LYNC study
Dr Carol Bryce, Research Fellow, Warwick Medical School
Professor Jackie Sturt, Professor of Nursing, King’s College London

11.45am
A qualitative study of patient safety and security risks
- An exploration of the main patient safety and security risks associated with the use of digital clinical communication using data from 20 NHS clinics in England.

Dr Mark Sujan, Associate Professor of Patient Safety, University of Warwick
Isabelle Svahnstrom, Medical Student, University of Warwick

11.55am
Health economic findings of the LYNC study
- Data from staff at 20 NHS clinics in England and Wales was used to estimate the costs associated with digital clinical communication between clinicians and patients and the impact on resources.

Dr Jason Madan, Assistant Professor in Health Economics, Warwick Medical School

12.05pm
Analysis of data to look at ethical implications
- An analysis of data from 20 NHS sites, and additional data collected from four NHS clinics to look at ethical concerns regarding confidentiality and consent, as well as potentially redefining the nature of the patient-clinician relationship.

Dr Agnieszka Ignatowicz, Research Fellow, University of Warwick
Patrick Elder, Medical Student, University of Warwick

12.15pm
Use of digital clinical communication for families and carers of children and young people with short or long term conditions (LYNCS study): a rapid review

Professor Frances Griffiths, Professor of Medicine In Society, University of Warwick
Xavier Armoiry, Senior Visiting Fellow, Warwick Medical School

12.25pm
Questions and discussion

Maxwell room, first floor

T2D: Digital innovations for people with mental health problems

11.30am
Welcome and introduction
Robert Johnstone, Board Member, International Alliance of Patients’ Organisations

11.35am
Use of individualised music access for people with dementia
- A discussion of the initial uptake of individualised music therapy technology (IMTT) for people with dementia in Northamptonshire, working with Northamptonshire County Council and local charity, Pink Rooster.

Manon Bruinsma, Regional Director, Europe, Music and Memory

11.50am
Experience-based design of a mobile phone system for supporting service users with serious mental illness in community settings
- Co-design and pilot of an mHealth system with real-time symptom monitoring for people with serious mental illness, working with two community mental health teams in separate NHS trusts.

Dr Caroline Sanders, Senior Lecturer in Medical Sociology, University of Manchester
Professor Shôn Lewis, Professor of Adult Psychiatry, The University of Manchester and Consultant Psychiatrist, Manchester Mental Health and Social Care Trust

12.05pm
A new approach to the evaluation of online therapy within IAPT services at scale through integration
- The Improving Access to Psychological Therapy (IAPT) programme has successfully increased access to talking therapies, but has the capacity to meet just 15% of need.
- A cloud-based integration hub, developed with funding from the NHS Small Business Research Initiative to allow therapists to register patients with online therapy directly from the patient’s Digital Care Record.

Alison Sturgess-Durden, Director, Mayden House Ltd
Judith Chapman, Clinical Director, NHS Berkshire

12.20pm
Questions and discussion

12.45pm
Lunch, exhibition, networking and poster display
Session three: Breakout sessions
Delegates should choose to attend one of the following sessions. Please see below for more information on these.

T3A: Maynard theatre, lower ground floor
Online support for people with mental health problems

T3B: Marlborough theatre, second floor
Apps for patients with long-term conditions

T3C: Burdett theatre, ground floor
Sharing insights on data sharing

T3D: Maxwell room, first floor
Using telehealth to support patients

Maynard theatre, lower ground floor

T3A: Online support for people with mental health problems

1.45pm
Welcome and introduction
Matthew Honeyman, Researcher, Health Policy, The King’s Fund

1.50pm
Using machine learning algorithms to assess the clinical severity of depression among users of a digital mental health platform
- Using machine learning algorithms (MLAs) to estimate the likelihood that a member of Big White Wall is experiencing severe depression based on their written text.

Claire Harding, Head of Impact and Research, Big White Wall
Gavin Potter, Founder and Chief Technology Officer, RecSys

2.05pm
Creating a virtuous cycle of digital health enterprise sustainability: lessons learnt from Breaking Free Online
- Creating a sustainable digital health organisation through funding research and development and maximising uptake within the health and social care sector using the example of a computer-assisted therapy programme for substance misuse.

Dr Jonathan Ward, Managing Director, Breaking Free Online
Dr Sarah Elison, Head of Research, Breaking Free Online

2.20pm
Transforming substance misuse services though computer-assisted therapy
- Ongoing implementation of Breaking Free Online throughout Crime Reduction Initiatives and explore how the relationship has facilitated the normalisation of this digital health programme as a treatment option.

Stephanie Dugdale, Research Associate, Breaking Free Online

2.35pm
Questions and discussion

Marlborough theatre, second floor

T3B: Apps for patients with long-term conditions

1.45pm
Welcome and introduction
Charles Lowe, Managing Director, Digital Health And Care Alliance (DHACA)

1.50pm
REMORA (Remote monitoring of Rheumatoid Arthritis) using a smartphone app
- Treatment of patients with rheumatoid arthritis (RA) is guided by monitoring changes in disease severity over time. Smartphones provide a possible solution to allow regular monitoring of disease severity between clinic visits with integration into electronic medical records.
- A pilot study to design, implement and evaluate a system of remote data collection for people with RA to see whether electronic collection of patient-reported outcomes (ePROS) directly from patients between clinic visits can enhance clinical care and provide a sustainable source of data for research.

Dr Lynn Austin, Research Associate, University of Manchester

2.05pm
The role of user experience in adoption and adherence to a digital lifestyle change tool for blood pressure reduction
- Design and evaluation of an engaging user experience that promotes adoption, adherence and persistence in a digitally delivered lifestyle change programme, leading to reduction in blood pressure.

Thomas Sutton, Executive Creative Director, frog
Domenico Cianflone, Co-Founder and Chief Scientific Officer, AMICOMED

2.20pm
Using an app to help diabetic patients monitor their blood sugar levels and help prevent hypoglycaemia for Type 2 diabetic patients
- An investigation into the feasibility and acceptability of telehealth support to prevent severe hypoglycaemia along with the impact of remote monitoring on patients’ awareness and fear of hypoglycaemia and their satisfaction with their diabetes care.

Dr Kenneth Law, GP and Clinical Lead of Innovation, Local Care Direct

2.35pm
Questions and discussion
1.45pm
Welcome and introduction
David Maguire, Data Analyst, Health Policy, The King’s Fund

1.50pm
NHS 111 Patient Relationship Manager
- Development of the NHS 111 Patient Relationship Manager (PRM) for London using innovative cloud based technology to improve the patient journey through the urgent care system. It is intended to improve patient experience through information and data sharing.

Dr Samit Shah, Clinical Adviser, NHS England

2.05pm
Implementing a multidisciplinary hospital-wide clinical EPR system at Homerton University Hospital NHS Foundation Trust
- Development of a comprehensive, multi-professional clinically-led hospital patient records at Homerton University Hospital NHS Foundation Trust, using a collaborative design approach.

Katherine Adams, Transformation Manager, Homerton University Hospitals NHS Foundation Trust

2.20pm
CYGNUS: A digital brain health platform for improving dementia outcomes
- A platform to collect and analyse outcomes for patients with dementia, bringing together four northern England mental health trusts, the Northern Health Science Alliance, IXICO and ICHOM.

Lea Marais, Senior Imaging Leads, IXICO

Dr Hakim Yadi, Chief Executive, Northern Health Science Alliance

2.35pm
Questions and discussion

3.00pm
Refreshments, exhibition, networking and poster display
Day two
Wednesday 6 July

Session one: Opening plenary
9.45am
Welcome and introduction
Chris Naylor, Senior Fellow, Health Policy, The King’s Fund

9.55am
Keynote address
Beverley Bryant, Director of Digital Transformation, Health and Social Care Information Centre

10.15am
Panel session: what is going on nationally to support the digital health agenda?
Hazel Harper, Programme Manager, Health and Life Sciences, Innovate UK
Dr Phil Koczan, Chief Clinical Information Officer, NHS Waltham Forest Clinical Commissioning Group
Luke Readman, Chief Information Officer, Waltham Forest, Newham and Tower Hamlets Clinical Commissioning Group
Alyson Scurfield, Chief Executive, TSA
Inderjit Singh, Head of Enterprise Architecture, NHS England
Paul Radin, Involvement Volunteer, Nottinghamshire Healthcare NHS Foundation Trust, MindTech Healthcare Technology Cooperative

10.35am
Questions and discussion

11.00am
Refreshments, exhibition, networking and poster display

Session four: Rapid-fire poster session
3.30pm
Welcome and introduction
Alyson Scurfield, Chief Executive, TSA

The following presenters will have three minutes each in this quick-fire round:

Electronic handover to increase patient safety
Heather Joy, Clinical Applications Specialist, Nervecentre Software Ltd

Digital technology for communication between clinicians and young patients with chronic conditions (LYNCS study) - An international review
Mike May, PhD Student, Warwick Medical School

Perspectives and experiences of health professionals on the implementation and use of telehealth for COPD services: towards personalised and holistic support
Lisa Brunton, MRC Industrial CASE PhD Student, The University of Manchester

Out-of-home activity recognition from GPS data in schizophrenic patients
Dr. Niels Peek, Reader in Health Informatics, The University of Manchester

Using real-time online reports to improve care for patients with hip fracture
Vivienne Burgon, Project Coordinator, Falls and Fragility Fracture Audit Programme, Royal College of Physicians

Session five: Closing plenary
4.15pm
Welcome and introduction
Professor Chris Ham, Chief Executive, The King’s Fund

4.20pm
Keynote address: the digital future of the NHS
An overview of the review for the NHS on the critical lessons we need to get right as we move to a digital future
Dr Robert M Wachter, author of The digital doctor: hope, hype, and harm at the dawn of medicine’s computer age and Professor and Interim Chairman, Department of Medicine, University of California, San Francisco via live web link

4.50pm
Questions and discussion

5.15pm
Close of day

5.15pm
Drinks reception
Please join us in The Green House for complimentary drinks, open to all speakers, delegates and exhibitors.

Breakfast workshop
8.45am
The Camden Integrated Digital Record tale: enabling the clinical transformation agenda across health and social care

- How the system is helping with higher quality of care, improved safety and patient experience

Hasib Aftab, Head of IT and Systems, Camden Clinical Commissioning Group

James Ormonde, Sales Director for England, Orion Health

Dr Neel Gupta, GP representative and GP governing body member, Camden Clinical Commissioning Group

This workshop is being organised by our sponsor, Orion Health.
Session two: Breakout sessions
Delegates should choose to attend one of the following sessions. Please see below for more information on these.

**W2A: Marlborough theatre, second floor**
Supporting self-care for patients

**W2B: Edwards room, first floor**
Digital solutions for allied health professionals

**W2C: Maxwell room, first floor**
Using informatics to improve systems and services

**W2D: Burdett theatre, ground floor**
Web-based tools and apps supporting patient wellbeing

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**Marlborough Theatre, second floor**

**W2A: Supporting self-care for patients**

**11.30am**
Welcome and introduction
Charles Lowe, Managing Director, Digital Health and Care Alliance (DHACA)

**11.35am**
Patients’ online access and interpretation of laboratory test results: a human computer interaction study
- Study examining how different ways of presenting laboratory results of regular tests might influence how patients with chronic kidney disease interpret and act on them.

Paolo Fraccaro, PhD Student in Health Informatics, University of Manchester

**11.50am**
Multimedia advocacy: tools and techniques that put patients at the centre of their health and care and transform how we deliver the service
- Examples shared from Central and Northwest London NHS Trust will include new approaches to self-management of health and well-being by mental health patients.

Professor Andy Minnion MBE, Director, The Rix Centre for Innovation and Learning Disability, University of East London

**12.05pm**
Supported self-care through technology
- Developing a clinical hub with Bristol Community Health to create improved ways of managing people with long-term conditions in the community.

Dr Cees van Berkel, Principal Scientist, Philips Research, Philips Healthcare

Hanna Eklind, Associate Community Diabetes Nurse Specialist, Bristol Community Health

**12.20pm**
Questions and discussion

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**Edwards Room, first floor**

**W2B: Digital solutions for allied health professionals**

**11.30am**
Welcome and introduction
Robert Johnstone, Board Member, International Alliance of Patients’ Organizations

**11.35am**
Home-based gait training following knee and hip arthroplasty
- A project investigating whether home-based physiotherapy using gait analysis and gait training can improve outcomes for patients following knee and hip arthroplasty.

Graham Worsley, Innovation Adviser, European Technology for Business

**11.50am**
Capacity building in community AHP services by leveraging a care management technology platform for exercise rehabilitation

Janie Thomson, Consultant Physiotherapist Musculoskeletal Services, NHS Lanarkshire

Aoife Ni Mhuiri, Physiotherapist and Founder, Salaso Health Solutions

**12.05pm**
Improving outcomes after hip and knee replacement surgery
- Using patient-focused technology-based innovations that build on the clinical components of enhanced recovery after surgery (ERAS)

Prakash Jayakumar, Specialist Registrar in Trauma and Orthopaedic Surgery, DPhil Candidate Balliol College, University of Oxford and Consulting Clinician Value Creation, Johnson & Johnson Medical EMEA

Lili Rong, Solution Manager, Value Creation, Johnson & Johnson Medical EMEA

**12.20pm**
Questions and discussion

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**Maxwell Room, first floor**

**W2C: Using informatics to improve systems and services**

**11.30am**
Welcome and introduction
David Maguire, Date Analyst, Health Policy, The King’s Fund

**11.35am**
Employing informatics to improve hospital care for people with learning disabilities
- Identifying the causes of repeat A&E attendance by patients with learning disabilities, and the steps taken to reduce these.

Dr Cees van Berkel, Principal Scientist, Philips Research, Philips Healthcare

Hanna Eklind, Associate Community Diabetes Nurse Specialist, Bristol Community Health

**12.20pm**
Questions and discussion
Daniel Marsden, Practice Development Nurse, People with Learning Disabilities, East Kent Hospitals University NHS Foundation Trust

11.50pm
Connecting care: the jigsaw of interoperability at scale in health and social care
Exploring three examples of interoperability at scale, including:

• Hampshire Health Record - connecting 3 acute hospitals and 135 GP practices via single sign-on
• Oxfordshire Care Summary - providing a real-time ‘portal’ view of information held in local disparate clinical systems to GPs
• Connecting Care - a health and social care partnership with mental health, three local authorities and three acute trusts across Bristol, North Somerset and South Gloucestershire.

Andrew Fenton, Associate Director, Digital Transformation, NHS South, Central and West Commissioning Support Unit

12.05pm
Predictive analytics health model for patients with long-term conditions in Spain

• To identify pre-emptively multi-chronic patients with an increased risk of hospitalisation for both predictable and avoidable reasons.

David Champeaux, Managing Director, Health Strategy, Accenture

12.20pm
Questions and discussion

Burdett theatre, ground floor

W2D: Web-based tools and apps supporting patient wellbeing

11.30am
Welcome and introduction
Matthew Honeyman, Researcher, Health Policy, The King’s Fund

11.35pm
The effectiveness of a web-based mindfulness course as an intervention treatment for NHS patients

• Evaluating the use of a mindfulness app integrated into the IAPT platform used by Rotherham Doncaster and South Humber NHS Foundation Trust.

Richard Latham, Chief Executive, Wellmind Media Ltd

11.55pm
Smartphone-enhanced symptom management and relapse prevention: a randomised controlled trial

• Monitoring symptoms in real time for people with serious mental illness, improving psychotic symptom control, and providing an early warning system for relapse.

Professor Shôn Lewis, Professor of Adult Psychiatry, University of Manchester

12.20pm
Questions and discussion

12.45pm
Lunch, exhibition and networking

Session three: Breakout sessions
Delegates should choose to attend one of the following sessions. Please see below for more information on these.

W3A: Maxwell room, first floor
Innovation in digital health: using the internet of things

W3B: Burdett theatre, ground floor
Using apps to support clinical decision making

W3C: Edwards room, first floor
Improving access through the use of technology

W3D: Marlborough theatre, second floor
Trafford care co-ordination centre: supporting people with health and social care needs

W3A: Innovation in digital health: using the internet of things

1.45pm
Welcome and introduction
Charles Lowe, Managing Director, Digital Health and Care Alliance (DHACA)

1.50pm
Achieving the outcomes of a high reliability organization through the creation of a centralized operations center

• To co-ordinate, direct, monitor, and manage operational flow at two hospitals in Virginia and to achieve overall transfer volume, emergency department boarding times, intensive care bed availability, and improved patient transfers throughout the network of hospitals.

Paul Davenport, Vice President, Emergency Services and Care Management, Carilion Clinic Emergency Services, United States

2.15pm
Questions and discussion
Burdett theatre, ground floor

W3B: Using apps to support clinical decision making

1.45pm
Welcome and introduction
Matthew Honeyman, Researcher, Health Policy, The King's Fund

1.50pm
Acute oncology: an app for health care professionals
- Development of a smartphone app, in conjunction with London Cancer Alliance. Available for all healthcare professionals, the app provides comprehensive clinical guidelines and a regional directory of cancer services.

Dr Thomas Newsom-Davies, Consultant in Medical Oncology, Chelsea and Westminster Hospital NHS Foundation Trust

2.05pm
Embedding relationship and behaviour change evidence in digital delivery: the example of myPace
- A digital health solution to support weight loss available to both individuals and dieticians.

Professor Julie Barnett, Professor of Health Psychology, University of Bath
Dave Fletcher, Founder, White October

2.35pm
Questions and discussion

Edwards room, first floor

W3C: Improving access through the use of technology

1.45pm
Welcome and introduction
John Cruickshank, Partner, The IT Health Partnership

1.50pm
Transforming patient attendance in gynaecology
- Using online, smartphone and an advanced two-way text messaging service to improve patient’s access to the Women’s Services department at Guy’s and St Thomas’ NHS Foundation Trust, minimising missed outpatient appointments.

Jenny Thomas, Women’s Services General Manager, Guy’s and St Thomas’ NHS Foundation Trust

2.05pm
Patient access to medical records: an on-going longitudinal evaluation of a care information exchange across diabetes patients in North West London

Dr Sagar Jilka, Postdoctoral Research Associate, Imperial College London

2.20pm
Seeking help from your GP online: how to break the logjam in digital access
- An analysis of over 16,000 patient episodes accessing GP services online, looking at the clinical symptoms submitted, user demographics, patient satisfaction and economic analysis to assess savings made through using this channel.

Harry Longman, Founder and Chief Executive, GP Access Ltd

Marlborough theatre, second floor

W3D: Trafford care co-ordination centre: supporting people with health and social care needs

1.45pm
Welcome and introduction

Join this session and you’ll hear from the following speakers on an innovative technology-led solution, designed to understand patient needs, deliver more intelligent services and improve efficiency in health and social care:

Gina Lawrence, Chief Operating Officer, NHS Trafford Clinical Commissioning Group
Ben Bridgewater, Director of Healthcare Strategy, CSC
Guy Lucchi, Chief Technology Officer, Health Care and Life Sciences Business, CSC.

This session is hosted and organised by:

NHS Trafford Clinical Commissioning Group
Session four: Rapid-fire poster session

3.30pm
Welcome and introduction
Alyson Scurfield, Chief Executive, TSA

The following presenters will have three minutes each in this quick-fire round:

Accenture doctors survey 2015
David Champeaux, Managing Director, Health Strategy, Accenture

Involving an expert panel in the development of an online intervention designed to support midwives in work-related psychological distress: exploring the outcomes of a Delphi study
Sally Pezaro, Doctoral Midwifery Researcher, Centre for Technology Enabled Health Research, Faculty of Health and Life Sciences, Coventry University

Active clinical decision support - empowering primary care clinicians to deliver preventative care to that can cut costs and save lives
Dr Robert Dunlop, Clinical Director, Elsevier Clinical Solutions

Developing a device to decrease hospital acquired infection
Jonathan Mayes, Medical Student, Newcastle University

Assessment of a smartphone-connected otoscope and associated healthcare communication platform
Julian Hamann, Medical Director, Cupris Health

Session five: Closing plenary

4.15pm
Professor Chris Ham, Chief Executive, The King’s Fund

4.20pm
Keynote address: Data security in the NHS
Overseeing the safe use of personal health and care information and holding the health and social care system to account and acting on behalf of patients and care users
Dame Fiona Caldicott, National Data Guardian for health and social care

4.50pm
Questions and discussion

5.15pm
Close of congress