



DIGITAL HEALTH MAP

"Digital tech has the potential to transform our health service in the future, but the right tech, right now, will improve lives, and save lives. So the work must begin now."

Rt Hon Matt Hancock MP
Secretary of State for Health
and Social Care

INFLUENCES

MODERN INDUSTRIAL STRATEGY

- AI and data one of four 'Grand Challenges'
- Aims to put the UK at the forefront of the global AI and data revolution
- Explicit mission to use data, AI and innovation to transform the prevention, early diagnosis and treatment of chronic diseases by 2030

LIFE SCIENCES SECTOR DEALS

- Life Sciences Sector Deal 1 committed to support the development of measures to improve the UK's health data infrastructure
- The second deal includes additional pledges to join-up data from the NHS and industry and to establish a UK Health Data Research Alliance

LIFE SCIENCES INDUSTRIAL STRATEGY

- 'Digital' one of four pillars within the strategy – outlines need to support collaboration on real world evidence, to enable innovators and the NHS to research new technologies
- Focuses on making best use of data and digital tools to support research and better patient care
- Recommended creation of Digital Innovation Hubs to achieve this aim

NHS LONG TERM PLAN

- Key focus on making digitally enabled care mainstream
- Redesigns primary and outpatient care systems to put digital first
- Provides a clear vision to join up different care services digitally
- Emphasis on allowing patients to better manage their own health and care through digital means

'THE FUTURE OF HEALTHCARE' POLICY PAPER

- Matt Hancock's vision for digital, data and technology in health and care, launched in October 2018
- Aims to create a joined-up health and care system, designed around the needs of patients and their care networks, integrating physical and digital services
- Emphasises the importance of open standards and commits to creating national standards for data, interoperability, privacy, real time data access, cyber security and access rules

NHSX

- Launching in July 2019, it is the new umbrella organisation for digital, data, and technology across the health service
- Led by Chief Executive Matthew Gould, NHSX sits above NHS Digital, and reports to Matt Hancock and Simon Stevens
- Wide responsibilities including setting national policy; developing, agreeing and mandating standards; and reforming or developing industry relations, procurement, security and training

INFLUENCERS

OFFICE FOR LIFE SCIENCES

- Works across DHSC and BEIS to inform life sciences policy and foster innovation
- Has been central to the creation of new commercial pathways in the NHS
- Plays a crucial role in bridging the gap between BEIS and DHSC when it comes to unlocking the potential of data and digital

NHS DIGITAL

- Works on empowering the public, helping professionals and producing information that improves treatment and efficiency
- Key role in enabling and supporting the whole health and care system to use technology, data and information to transform its services
- From July 2019, NHS Digital will be sponsored by NHSX rather than the Department of Health and Social Care

DATA GUARDIAN

- Dame Fiona Caldicott appointed as National Data Guardian for Health and Social Care
- Tasked to ensure that the public can trust that health and care information is securely safeguarded and used appropriately

HEALTH TECH ADVISORY BOARD

- Chaired by Dr Ben Goldacre and reporting to Matt Hancock. Membership consists of industry, academics, clinicians, and health tech leaders
- Meets quarterly and aims to highlight where tech and IT change needs to happen in health and social care

MHRA

- Regulates standalone software and apps that meet the definition of a medical device
- Will work with NHSX on issues including big data and access to new digital technologies
- International leadership ambition to address the regulation of emerging technologies and novel products, including artificial intelligence and medical apps

NICE

- Leads on establishing evidence, requirements and guidance needed to develop digital health technologies (DHTs) for the NHS
- Recently published new evidence standards framework for digital health technologies, developed in collaboration with NHS England and other healthcare partners
- The standards help to identify innovations that are clinically effective and offer economic value for patients and the healthcare system

IMPLEMENTATION

INTEGRATED CARE SYSTEMS

- Planning for Integrated Care Systems (ICSs) has emphasised that the excellent use of information and technology is fundamental to transformation
- By 2021/22, systems will support population health management in every ICS across England
- A Chief Clinical Information Officer (CCIO) or Chief Information Officer (CIO) to sit on the board of every local NHS organisation

DIGITAL INNOVATION HUBS

- Five Digital Innovation Hubs established, led by Health Data Research UK, which launched an alliance in December last year
- Examining how health data can best be collected and managed, and aim to speed up drug development and patient access to more personalised treatment
- Will connect data from GP practices, hospitals, social and community care providers, as well as research environments
- Will be making data available for medical research, and collaborating to ensure health data is used safely and efficiently

- Roll out of NHS App
- Digital Personal Health Records for children
- Every patient with a long-term condition will have access to their health record
- Work with developers and other sectors to create and roll out apps for specific conditions
- Digital services and IT systems to talk to each other

LOCAL HEALTH AND CARE RECORD EXEMPLARS (LHCRES)

- Regional data sharing partnerships, providing instantly available patient information to everyone involved in their care and support
- Each Local Health and Care Record Exemplar is made up of either one or multiple Sustainability & Transformation Partnerships (STPs)

ACADEMIC HEALTH SCIENCE NETWORKS

- 15 networks across England, connecting NHS and academic organisations, local authorities, the third sector and industry
- Goal to improve patient and population health outcomes by translating research into practice, and developing and implementing integrated health care services
- Work with Sustainability and Transformation Partnerships (STPs), ICSs, and industry to understand local needs and increase the uptake of digital health solutions