

The research commercialisation office of the University of Oxford, previously called **Isis Innovation**, has been renamed **Oxford University Innovation**

All documents and other materials will be updated accordingly. In the meantime the remaining content of this Isis Innovation document is still valid.

URLs beginning <u>www.isis-innovation.com/</u>... are automatically redirected to our new domain, <u>www.innovation.ox.ac.uk/</u>...

Phone numbers and email addresses for individual members of staff are unchanged

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eHealth & Big Data



Isis Innovation & Oxford AHSN Technology Showcase



eHealth & Big Data

Personalised Health and Care 2020

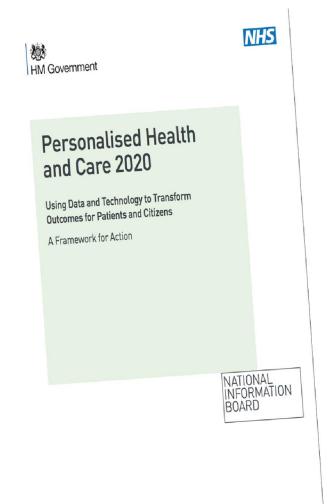
Paul Rice PhD Head of Technology Strategy NHS England



Better use of data and technology has the power to improve health, transforming the quality and reducing the cost of health and care services.

It can give patients and citizens more control over their health and wellbeing, empower carers, reduce the administrative burden for care professionals, and support the development of new medicines and treatments.

Personalised Health and Care 2020



Personalised Health and Care 2020 considers what progress the health and care system has already made and what can be learnt from other industries and the wider economy.

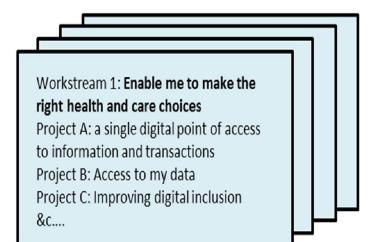
It is a framework for action that will support frontline staff, patients and citizens to take better advantage of the digital opportunity.

How do we do it?



Using Data and Technology to Transform Outcomes for Patients and Citizens

A Framework for Action



The roadmaps need to specify benefits for patients, citizens, service-users and local communities:

- Better health and wellbeing
- Quality and safety
- Effectiveness
- Benefits to science and the economy

Work streams

1.1	enable me to make the right health and care choices: providing patients and the public with digital access to health and care information and transactions
1.2	enable me to make the right health and care choices: providing citizens with access to an accredited set of NHS and social care 'apps'
2.1	give care professionals and carers access to all the data they need: setting the commissioning and regulatory roadmap for implementation of digital data standards by 2018/2020 (including agreement on the standards)
2.2	give care professionals and carers access to all the data they need: roadmap for comprehensive data on outcomes and value of services now – ensuring the business intelligence requirements of health and care are met
3	make the quality of care transparent: roadmap for publication of comparative data
4	build and sustain public trust: deliver roadmap to consent based information sharing and assurance of safeguards in the interim
5	bring forward life saving treatments and support innovation and growth
6	support care professionals to make the best use of data and technology
7	assure best value for taxpayers from existing programmes
8	technical standards work stream



Giving health and care professionals access to the data they need



Interoperability

• The development and adoption of digital information and data standards that enable information sharing as part of a coherent interoperability strategy



Digital Maturity

Baseline and benchmarking tool to assure progress and highlight best practice



Local Digital Roadmaps

• The development of inclusive, viable local plans that supports localities, enabling them to plan their own route to a paperless health and care system



Levers and Incentives

• Utilise regulatory, inspection, commissioning and development levers to ensure that the benefits enabled by information technology are identified and optimised



Developing Digital Capability

• The building of effective leadership and the creation of a learning environment to drive digital adoption across the health and care system





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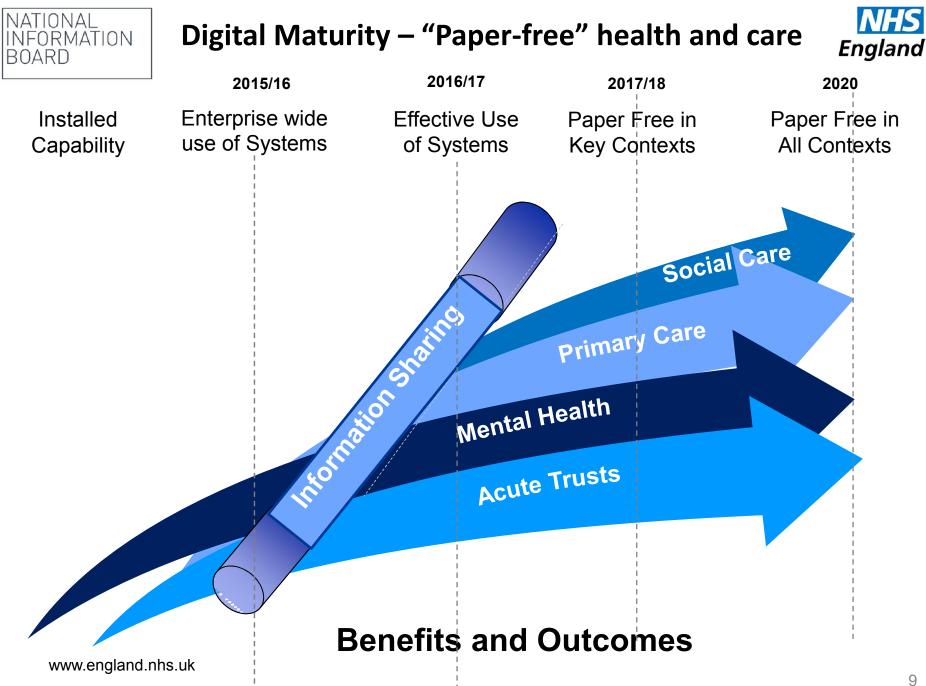
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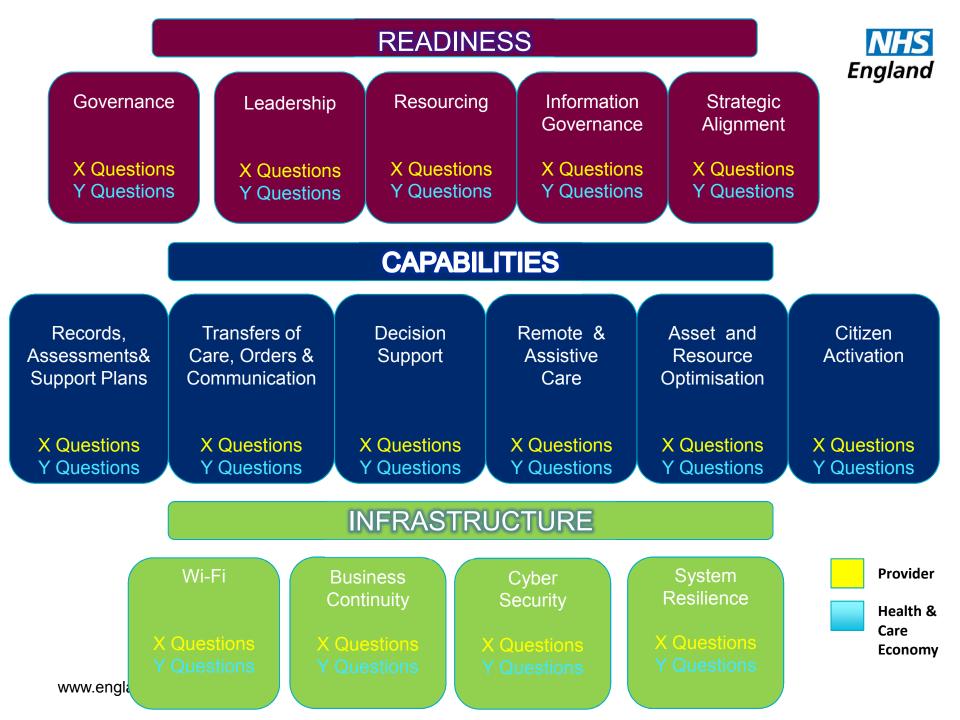
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Local Digital Roadmaps

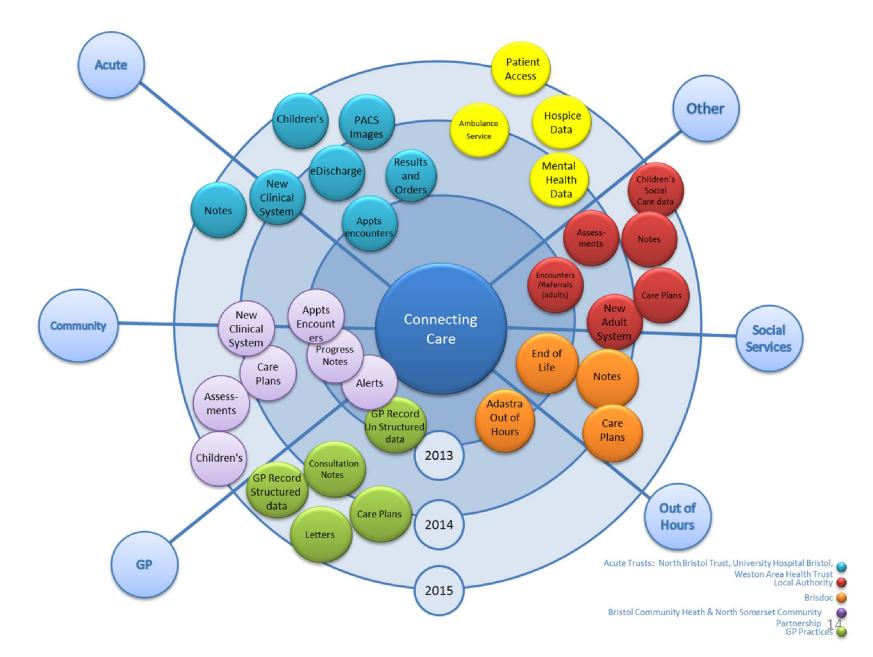
- Commissioners will be asked to document their digital capabilities and plans against a predefined set of pathways in the 2016 roadmap:
 - End of Life Care
 - Management of multiple co-morbidities
 - Urgent and Emergency Care
 - Mental Health Care
- 2. Over subsequent years the scope will expand.
- 3. The pathways are illustrative and will need to be tailored to the reality of local provision.
- 4. Additional locality specific services can be added if they help illustrate local flows.

Multiple Co-morbidities (high level example)

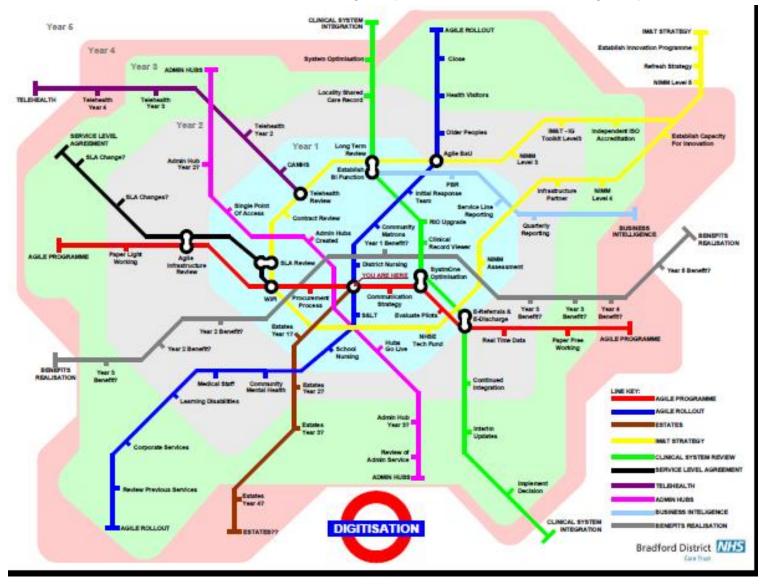




Local Roadmaps (Bristol example)



Local Roadmaps (Bradford example)



Next Steps

- National Information Board Roadmaps out for consultation until early September
- NIB Leadership meet to ratify final plans at NHS Expo in early September
- Detailed priority business cases prepared existing informatics portfolio re-aligned and additional funding proposals submitted to Comprehensive Spending Review
- Planning and performance of the NHS and social care including NCM/Integration Pioneers etc. attuned to the digital opportunity
- New service offers and capabilities maximise the potential of digital technology to delivery efficient, effective, high quality and participative services that benefit professionals, citizens and their carers