



NHS England

Safer hospitals are using ePrescribing

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NHS England

Overview

- Background
- Strategy direction
- Next steps

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NHS England

Background

- 2011
 - 13% NHS trusts use for inpatient prescribing in adult medical and surgical wards
 - 11% adult critical care
 - 1% paediatric/neonatal critical care
 - 3% renal
 - 34% chemotherapy
 - 48% discharge prescribing

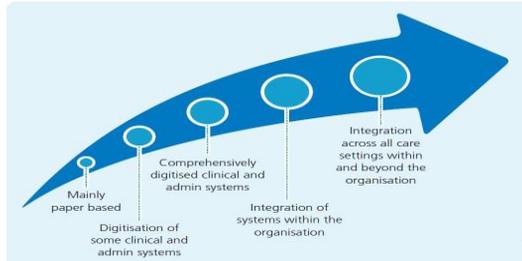
Ahmed Z, McLeod MC, Barber N, Jacklin A, Franklin BD (2013) The Use and Functionality of Electronic Prescribing Systems in English-Acute NHS Trusts: A Cross-Sectional Survey. PLoS ONE 8(11): e80376. doi:10.1371/journal.pone.0080376

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Moving to paperless.....



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NHS England

Background

- Safer Hospitals Safer Wards fund – 2013
 - 52 ePrescribing projects funded
 - £45m (plus matched funding) over two years to March 2015
- Integrated Digital Care Record fund – 2014
 - 2 ePrescribing projects funded
 - Funding to March 2016

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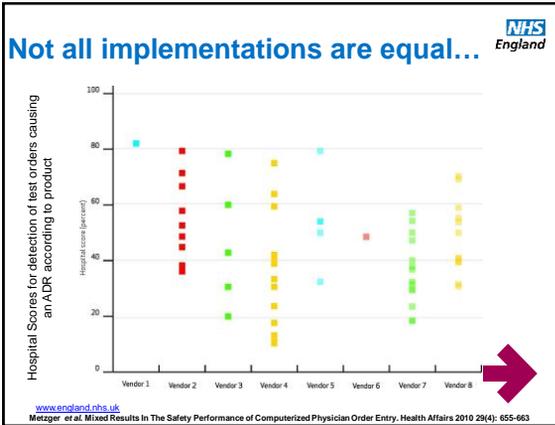
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Benefits

- Efficiency gains
 - No lost charts – time saving
 - Immediate access to information – no chart transfer
 - No re-writing of charts
 - Administration time reductions
- Reduction in adverse drug events
- Reduction in missed doses

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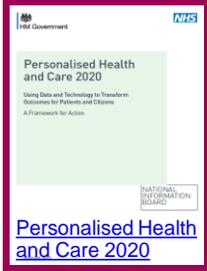


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Policy Context



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In 2015

April: All citizens will have online access to GP records
Publish roadmap and standards for accessing core transaction systems
Agree standards for real-time and interoperable care records
Mandated use of NHS number as primary identifier in clinical correspondence and patient activity
Publish new Insight Strategy

May: Proposals for linking 111 with NHS Choices

June: Proposals for extending My NHS
Publish roadmap for aligning national programmes with this framework

July: Proposals for regulating and licencing digital services
Proposals for Code 4 Health
Proposals for personal data usage reporting

September: Publish data quality standards for NHS care providers
Publish data security standards and IG toolkit
Publish Digital Maturity Index indicators for NHS Trusts on NHS Choices

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2016 and beyond...

2016: Core 'secondary uses' dataset agreed
CQC to consider performance against data quality standards as part of regulatory regime
New knowledge and skills framework introduced for all levels of the workforce

2017: 100,000 individual genomes will have been sequenced
Individuals will be able to record to their care record
Core curriculum and knowledge and skills framework updated

2018: Clinicians in primary care, urgent and emergency care and other key transitions of care will be operating without paper records
Until 2018 GPSoC procurements used to stimulate innovation

2020: All care records will be digital and interoperable
Entire health and care system will adopt SNOMED clinical terminology

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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	standards work stream www.england.nhs.uk

What's Going On

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

Digital Maturity
 • The development of a learning culture that supports local innovation and delivery and enables progress to be measured towards success

Commissioner Roadmap
 • The development of an approach that supports localities and enables them to plan their own route to a paperless health and care system

Levers and Incentives
 • The development of a supportive health and care system through appropriate investment, prioritisation and the alignment of levers and incentives to ensure that the benefits enabled by information technology are identified and optimised

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

Digital Maturity Scope

System Readiness Digital Capabilities Information Sharing Safety and Quality e.g. Meds Mngt Local Digital Infrastructure Cyber Security

"Organisational readiness"
 Board, Clinical Leadership and Frontline Staff
 Commitment
 Organisational Level Informatics Governance
 Citizen participation
 Clear Investment and Priority Plan
 Clinical Service Strategy Alignment

"Place based readiness"
 Strategic System Wide Leadership
 System Level Informatics Governance
 Wide stakeholder and citizen participation
 Shared Digital Strategy
 System wide Investment and Priority Plan

• Upfront view on governance, ownership at organisation and "locality level"
 • Positioned across health and care
 • Enable commissioner assurance and provider comparison/benchmarking

System Readiness Question Set:
 • Maximum 25 questions

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Roadmap

By April 2016 local health and care economies will:

- produce detailed roadmaps highlighting how, amongst a range of digital service capabilities, they will ensure clinicians in all care settings will be operating without the need to find or complete paper records by 2018; and
- that by 2020 all patient and care records will be digital, real-time and interoperable.

Timetable

- Local roadmaps in place March 2016
 - Guidance published in June
- Local digital maturity for integrated care measured
- Specific capabilities included
- Indicative dates:
 - Data collection July 2015
 - Validation September 2015
 - Publication October 2015



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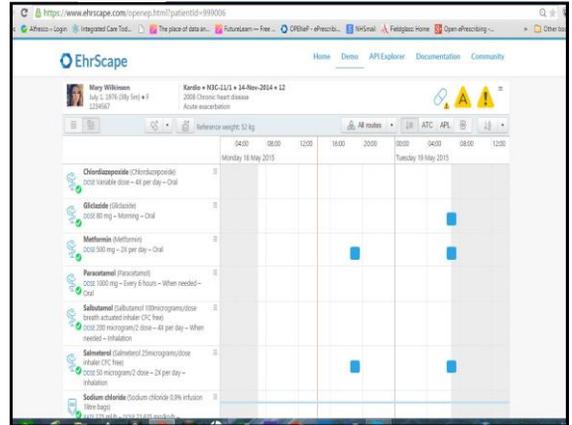


Open Source Development

- NHS England promoting open source
- ePrescribing development underway
- More details at:
 - <http://www.technologystrategyengland.nhs.uk/login.php>
 - <http://www.openep.org>
- Contact: d.jobling@nhs.net



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The screenshot shows the EhrScape interface for a patient named Mary Williams. It displays a list of medications on the left, including Chlorazepate, Glucoside, Metformin, Paracetamol, Salbutamol, and Sodium chloride. The main area is a grid showing the timing of these medications over a period from Monday 18 May 2015 to Tuesday 19 May 2015. The grid has columns for 04:00, 08:00, 12:00, 16:00, 20:00, 00:00, 04:00, 08:00, and 12:00. Blue squares in the grid indicate when a medication is scheduled to be administered.



Digital Medicines Strategy

- Strategic forum for all
- Stakeholders need to attend lots of groups







Digital Medicines Strategy

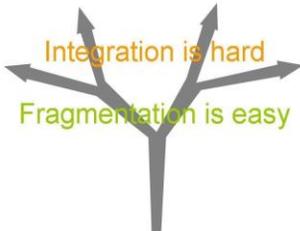
- Lots of different programmes of work
- Reduces potential for
 - Duplication
 - Misalignment
 - Poor prioritisation







Digital Medicines Strategy



- Evolving strategy to:
 - Coordinate
 - Support prioritisation
 - Simpler point of contact





Summary

- Drive towards increasing digital maturity
- Development of digital medicines strategy
- Need for benefits to be demonstrated
- New models of care/medicines optimisation using technology to support key



The Rest of the Day.....

- Rapid introduction of ePrescribing
- Will take use over tipping point by 2016/17
- No longer future technology.....
- Need to start re-think/shaping service delivery
 - Routine data available
 - Access to information
 - Efficiencies
 - Optimisation...

