Provider Digitisation Programme – Harnessing Technology and Innovation in Secondary Care

NHS England

Neil Calland, Senior Programme Lead
Provider Digitisation Programme

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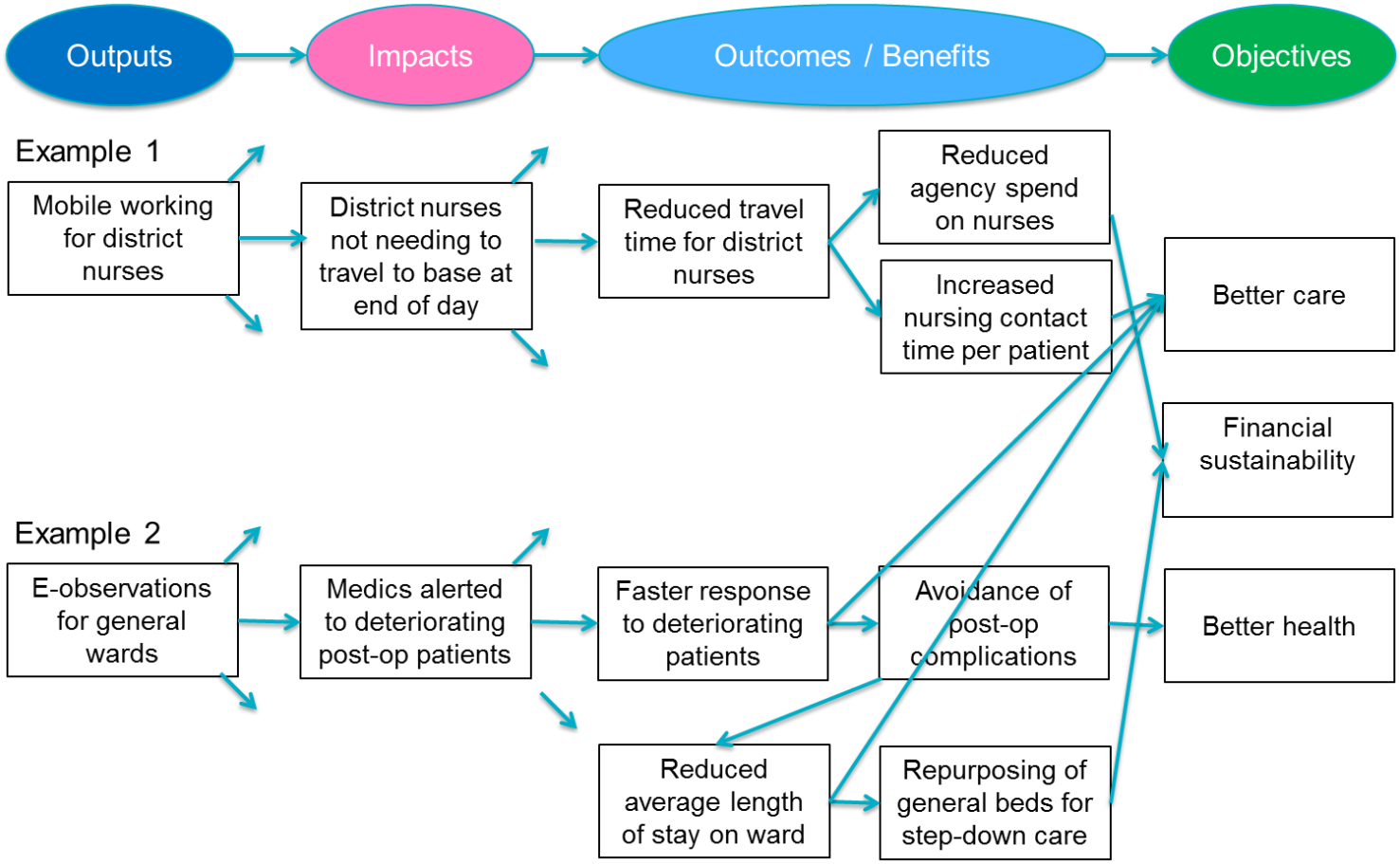
Context

Value creation from investment in digital



Relevant initiatives

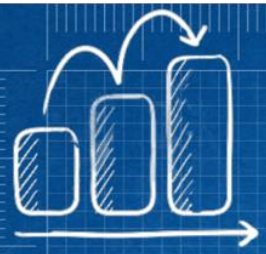
NHS England

- Local Digital Roadmaps
- Digital Maturity Assessment
- Sustainability and Transformation Plans
- Wachter Review

GDE Programme

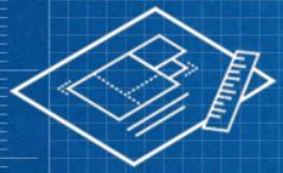
Target outcomes

NHS England



A set of organisations delivering world class health and care enabled by digital technology

Learning resources to encourage wider/more successful adoption of digital technology



A set of best practice blueprints that can be adopted by other organisations

High quality research and evaluation

A vibrant responsive supplier market

A group of Fast Followers who demonstrate the value of these blueprints

Acute GDEs and Fast Followers

NHS England

GDE (EHR Solution)	Fast Follower
Alder Hey Children's NHS Foundation Trust (Meditech)	Clatterbridge Cancer Centre NHS Foundation Trust
Cambridge University Hospitals NHS Foundation Trust (EPIC)	University College London Hospitals (UCLH) NHS Foundation Trust
City Hospitals Sunderland NHS Foundation Trust (Meditech)	South Tyneside NHS Foundation Trust
Imperial College Healthcare NHS Trust (Cerner)	Chelsea & Westminster NHS Foundation Trust
Luton & Dunstable University Hospital NHS Foundation Trust (Best of Breed)	Bedford Hospital NHS Trust
Newcastle upon Tyne Hospitals NHS Foundation Trust (Cerner)	Gateshead Health NHS Foundation Trust
Oxford University Hospitals NHS Foundation Trust (Cerner)	Royal Berkshire NHS Foundation Trust
Royal Free London NHS Foundation Trust (Cerner)	North Middlesex University Hospital NHS Trust
Royal Liverpool and Broadgreen University Hospitals NHS Trust (InterSystems)	Liverpool Women's NHS Foundation Trust
Royal Liverpool and Broadgreen University Hospitals NHS Trust (InterSystems)	North Tees & Hartlepool Hospitals NHS Foundation Trust
Salford Royal NHS Foundation Trust (Allscripts)	Pennine Acute Hospitals NHS Trust
Taunton and Somerset NHS Foundation Trust (IMS Maxims)	Wye Valley NHS Trust
Taunton and Somerset NHS Foundation Trust (IMS Maxims)	Blackpool Teaching Hospitals NHS Foundation Trust
University Hospitals Birmingham NHS Foundation Trust (Best of Breed)	Heart of England NHS Foundation Trust
University Hospitals Bristol NHS Foundation Trust (System C)	The Whittington Hospital
University Hospitals Southampton NHS Foundation Trust (Best of Breed)	Hampshire Hospitals NHS Foundation Trust
West Suffolk NHS Foundation Trust (Cerner)	Milton Keynes University Hospital NHS Foundation Trust
Wirral University Teaching Hospital NHS Foundation Trust (Cerner)	Countess of Chester Hospital NHS Foundation Trust

Mental Health GDEs

NHS England

Berkshire Healthcare NHS FT

Birmingham and Solihull Mental Health NHS FT

Mersey Care NHS FT

Northumberland, Tyne and Wear NHS FT

Oxford Health NHS FT

South London and Maudsley NHS FT

Worcestershire Health and Care NHS Trust

GDE 'definition of done' (I)

NHS England

Part 1. Verify World-Class Digitisation (Summary)

1.1 Core Capabilities

As defined in 2017 DMA & covering:

- Records, Assessments & Plans
- Transfers of Care
- Medicines Management & Optimisation
- Orders & Results Management
- Remote & Assistive Care
- Decision Support
- Clinical & Business Intelligence
- Asset & Resource Optimisation

Digital systems/processes deployed & used across the enterprise, underpinned by robust IT infrastructure

1.2 Interoperability, Data & Standards

Requirements including:

- Local data-sharing
- Open APIs
- Structured data
- SNOMED CT
- dm+d
- Data Quality
- National assets: eReferrals
- Cyber security

Meet national expectations sooner, become first of type in others e.g. FHIR, data extraction

Required

1.3 USP

Digital services to support:

- Integrated care pathways
- Advanced data analytics & Population Health Management
- Patient Activation & Self-Management
- Reducing unwarranted variation

Demonstrate the impact of one or more at scale across the organisation or local health economy

Desirable

GDE 'definition of done' (II)

NHS England

Part 2. Validate Impact on Care & Operational Delivery (Summary)

Outcomes

2.1 Safety & Quality

Reducing number of deviations in care among individuals, e.g.:

- Care compliance
- Unwarranted variation
- Avoidable errors
- Complications

2.2 Clinical Outcomes

Improving overall health & outcomes for a population or groups of patients, e.g.:

- Population health
- Diagnosis rates/times
- Morbidity & mortality rates

2.3 Staff & Patient Experience

Interactions and perceptions, e.g.:

- Level of satisfaction
- Waiting times
- Accessibility
- Distance travelled
- Ease of use

2.4 Resource Sustainability

Delivering healthcare in a manner which maximises resource use and avoids waste, e.g.:

- Reducing unnecessary activity
- Improving efficiency & cost avoidance
- Reducing avoidable A&E attendances

Blueprinting – overview

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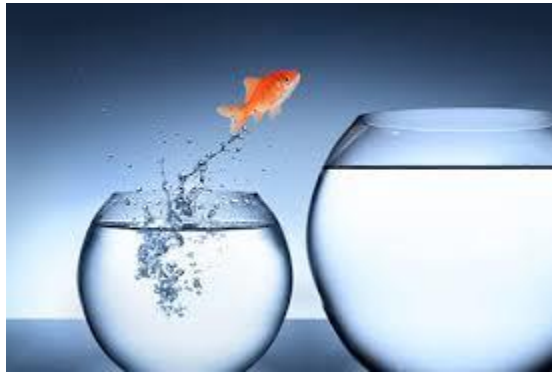

- The GDE blueprints are expected to help other NHS Trusts deliver digital capabilities more quickly and cost effectively than has been possible in the past
- The blueprints are live documents that will drive people who wish to benefit from GDE experiences to seek further information
- Blueprints will be populated over a number of years - we will publish blueprints in the interim so that followers do not have to wait for GDEs to finish their journey to GDE status before benefitting
- The blueprinting methodology and framework will be publically available

Blueprinting – outline plan

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Between now and March 2018 we will be designing and piloting the Blueprinting Framework and Methodology. We will also be exploring how best to publish and quality assure the content of blueprints. From March 2018 onwards we will expect all GDEs, in conjunction with their fast followers, to start creating blueprints.

November
Appoint Blueprinting Design Delivery Partner

November - February
Create Pilot Blueprints & Compare and Contrast

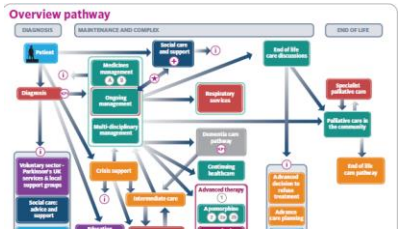
February - March
Agree Blueprint framework, Methodology and Publication Strategy

Blueprint perspectives (I)

NHS England

Digitisation of a care setting

Inpatient acute, Secure Hospitals, CMHS
(could be parallels with other non-MH settings)



Digitisation of a Particular Pathway

Psychosis, Perinatal, Eating Disorders,
Adult Crisis/Suicide Prevention

Digitisation of a Particular Capability

Core Capabilities – records, transfers, eP
Psychological Therapies, Self Care Apps

Blueprint perspectives (II)

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Readiness	Strategy, Governance, SOPs, Policies, Roles and Responsibilities, Staff & Patient Engagement Approach, Business Cases, Governance, Portfolio Plan, Resource requirements, Contracts
Capability Implementation	Benefits/Evaluations, Lessons Learned, Approvals & Local Governance/Controls, Project Plans, budgets, resource profiles, PIDs, Risks and Issues, Requirements, CCNs, Configs/Builds, JDs, Org Charts, CIO/CCIO roles
Infrastructure	Environment, hosting, SaaS, Network, Wifi, Comms, Hardware, Performance, Business Continuity, Disaster Recovery

Blueprint perspectives (III)

NHS England

Generic

- Relevant to all GDEs and Fast Followers of a certain type e.g. acute
- Vendor Neutral

Partial

- Relevant to a specific GDE/FF and other similar organisations e.g. DGH
- Vendor Neutral

Particular

- Relevant to GDE/FF using particular digital technologies and other similar organisations
- Elements are vendor specific

Investment Beyond the GDE Programme

Programme Business Case is navigating the approvals process

NHS England

- STPs leading prioritisation
  - Against common framework (strategic alignment, value creation, leadership, delivery confidence)
  - Against known allocation
- Eligible investments
  - Provider digitisation
  - NHS Trusts and selected VCSEs
  - Control totals
- Portfolio requirements
  - Transformational
  - Value creating / Cash releasing
  - Progress against selected priorities