NHS Digital

Evidence, Knowledge and Research services

Caroline Storer
Knowledge Manager

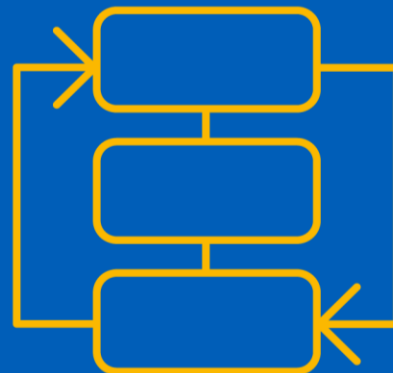NHS Digital

Information and technology
for better health and care
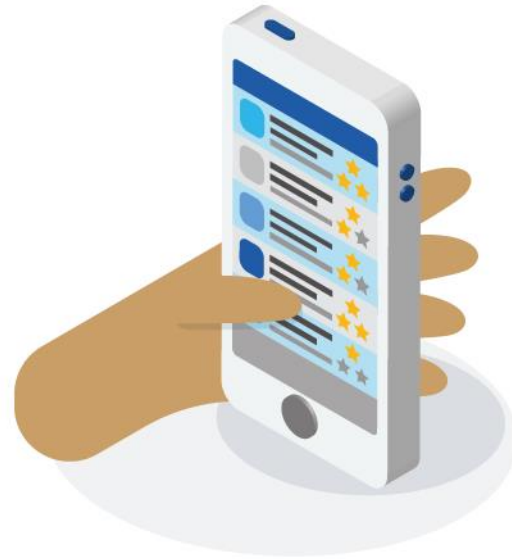
A changing technological landscape
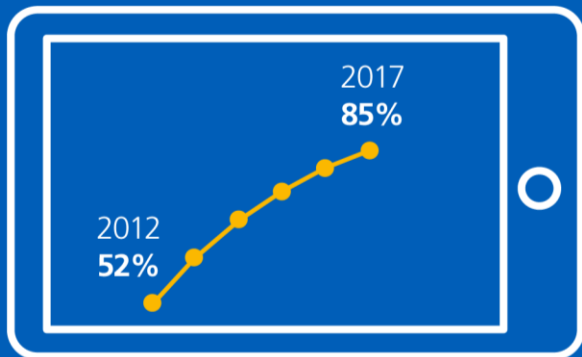
85%
adults have
a smartphone

2012
52%

2017
85%

More than 1 in 10
people have a
fitness band

65%
Smartphone owners
use apps that employ
machine learning

The empowered patient

Our vision

To harness the power of information and technology to make health and care better

NHS Digital - five key areas of activity

Objectives

Better health and patient outcome

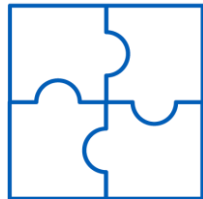Better care and patient experience

Better value and affordability

Empower
the person

Support
the clinician

Integrate
services

Manage
the system
effectively

Create
the future

Infrastructure

A **digital transformation** that touches on everything we do in health and care.

Infrastructure

Data Availability for Outcomes, Research and Oversight

Elective Care

Urgent and Emergency Care

Paper Free at Point of Care

Integrated health and social care

Public Trust and Security

Other areas of development and activity

Patient Engagement: Self Care and Prevention

Digital Medicines

Digital Transformation in General Practice
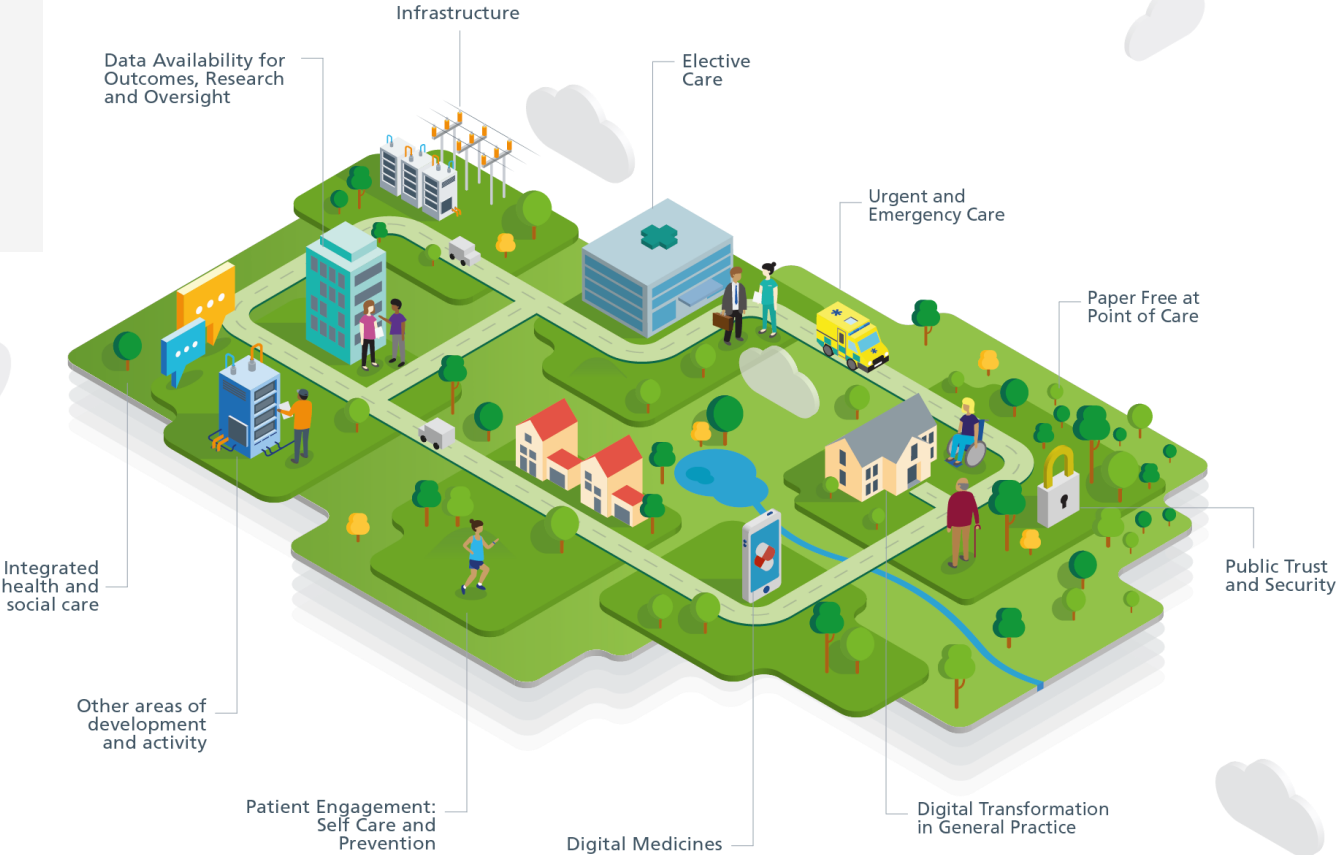
Information and technology for better health and care
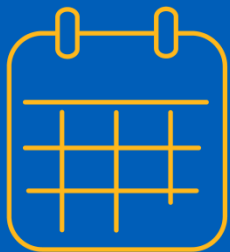
45,000 patients daily use our e-Referral service

Secondary Uses Service enables payments for **£30bn** worth of NHS services every year

more than **1.3M** items a day are prescribed using the Electronic Prescription Service

NHS Choices receives **11M** visits per week

Information and technology for better health and care

The Spine handles about **2,000** messages per second

Every **5 seconds** a clinician accesses a Summary Care Record

1.3 million secure email accounts across health and care

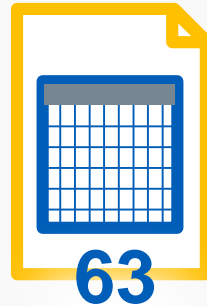**1,200** peer reviewed research papers relied on our data in 2015

Data Standards Assurance Service publications

73 standards and collections published, including:

Emergency Care Data Set

Sexual Orientation Monitoring standard

Secure Email standard

Clinical Triage Platform

1 Access to care through multiple channels

CHANNELS:
Telephone, Online, ED face-face, Primary Care, Urgent Treatment Centre, Social Care

2

3 Utilising patient data and predictive modelling of patient risk

4

Triage data linked with patient **5** outcome data

6 Performance optimisation utilising outcome data

7

STANDARDS:
-Existing national standards utilised where appropriate
-New standards developed

- Providing consistency of data to allow interoperability
- Utilising standard API's to allow localised customisation

8

9

NHS

Patients referred to the most appropriate care

Improved reporting provides a greater insight into service demand

NHS Digital Evidence and Knowledge Service

Evidence and Knowledge Service One Page Plan

NHS Digital Evidence and Knowledge Service

Evidence Briefings
- Establish a targeted evidence service to improve decision making
- Position ourselves as the knowledge base for clinical informatics in the health and care system

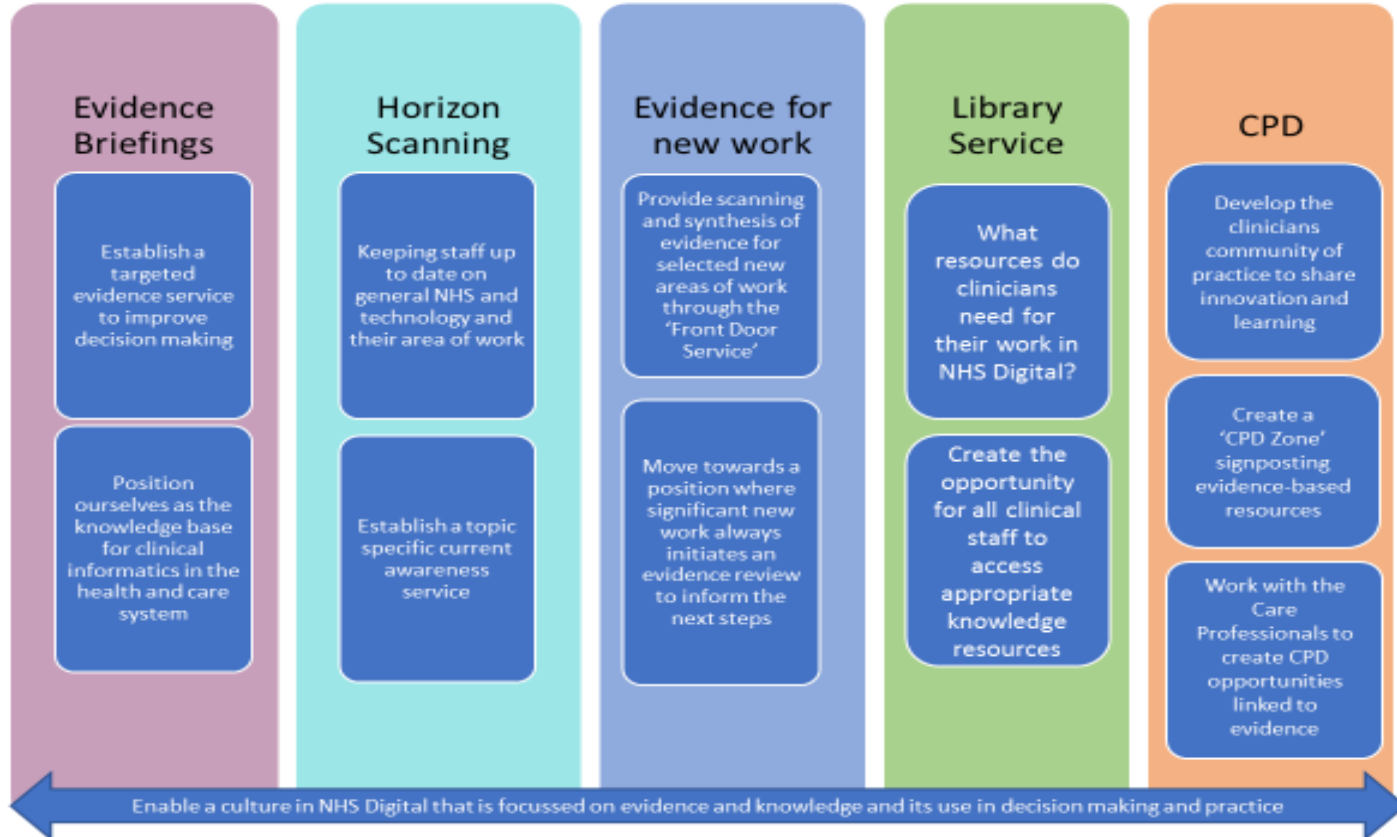**Horizon Scanning**
- Keeping staff up to date on general NHS and technology and their area of work
- Establish a topic specific current awareness service

Evidence for new work
- Provide scanning and synthesis of evidence for selected new areas of work through the 'Front Door Service'
- Move towards a position where significant new work always initiates an evidence review to inform the next steps

Library Service
- What resources do clinicians need for their work in NHS Digital?
- Create the opportunity for all clinical staff to access appropriate knowledge resources

CPD
- Develop the clinicians community of practice to share innovation and learning
- Create a 'CPD Zone' signposting evidence-based resources
- Work with the Care Professionals to create CPD opportunities linked to evidence

Enable a culture in NHS Digital that is focussed on evidence and knowledge and its use in decision making and practice

Horizon Scanning

Digital Horizon Bulletin
10 issues a year

Focus on technology, data, digital literacy, AI and cyber security

CPD

Signposting to events and learning

CPD events – critical appraisal, KM

Library Service

Article requests

Literature searches

Training

How to guides
JAMIA and Health Informatics Journal

Horizon Scanning

"there is some incredibly rich content in here about the wider health and care system"

"Really great. Thank you.
this is so useful I would like to share with my practice and my professional network."

"can I share this?
RCGP hig and members of my practice and CCG teams would find this useful."

"This is a truly brilliant compilation of a round up of everything that is current and relevant. "

"Thank you! So much great education. "

Evidence briefings

Produce external evidence briefings to inform decision making

Advisory group established

Evidence for new work

Evidence reviews undertaken:

Cyber security
Home v office working
Digital nurses

Knowledge Management

Knowledge Advent Calendar

KM CPD Event

Knowvember

Clinical Informatics CoP

Knowledge Management

"I loved the advent calendar it is a really good Clinical Governance tool"

"I wish I'd seen some of this stuff before! There's some stuff that could help clinicians work better within teams and across domains. It has already been identified that we need to connect more to learn and share knowledge."

Contact us

NHS Digital

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