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Scan4Safety in the National Health Service (NHS) England

Alan Foster, CEO
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NHS Overview

NHS employs **>1.6m people**

Top five of the world's largest workforces

NHS England employs **>1.3m** people

NHS England deals with **>1 million** patients every 36 hours

NHS Budget
In 1948: **£437m**
Now: **£115.4bn**

Most impressive healthcare system (Commonwealth Fund, 2014)

Free at point of treatment

Tax funded

Accountable to parliament

Increased Demand on the Service

- **Technological advances** in diagnosis and treatment are the biggest driver of increased cost of care delivery

- **Ageing population** – multiple long term conditions more than 3m people over 80 years old – double by 2030 – 8m by 2050

- **Growing population** –population grew by 7.3% from 2003 to 2013

Increased Financial Pressures on Service

- £30bn per year extra needed by 2020
- Government has promised £10bn
- £20bn required per annum in efficiency savings by 2020
- Equivalent to productivity increase of 2% - 3% per year
- NHS long term efficiency increase averages 0.8% per year

Challenges in Patient Safety

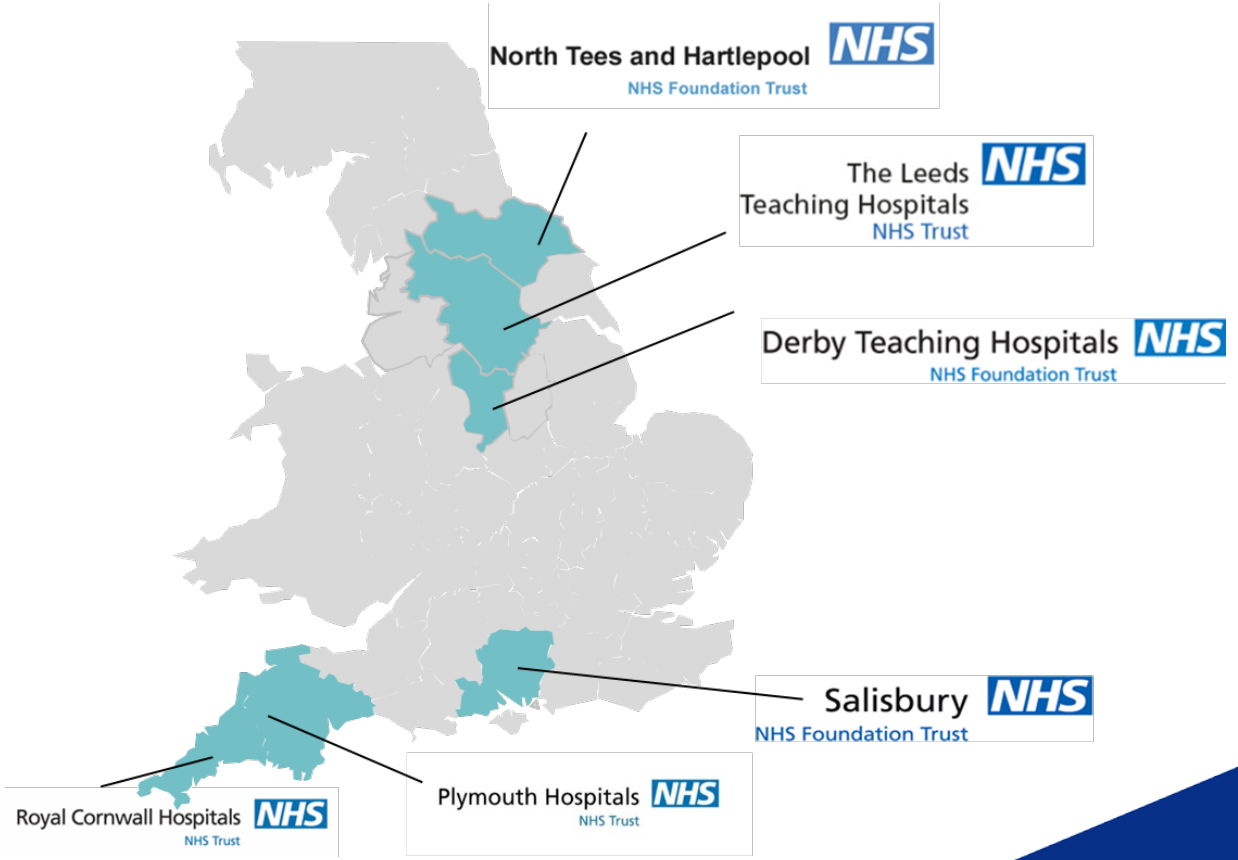
The PIP Breast implant scandal – a huge patient safety issue

The Metal on Metal Scandal cost the North Tees Hospital £23k in a dedicated resource response team

Department of Health Mandate for the NHS

- Mandated in eProcurement Strategy 2014 - full NHS Acute Trust compliance by 2020
- Both providers and suppliers
- NHS Terms and Conditions updated
- Mandated use of GS1 Standards:
  - Patient (GSRN)
  - Product (GTIN)
  - Place (GLN)

Demonstrator Site Overview



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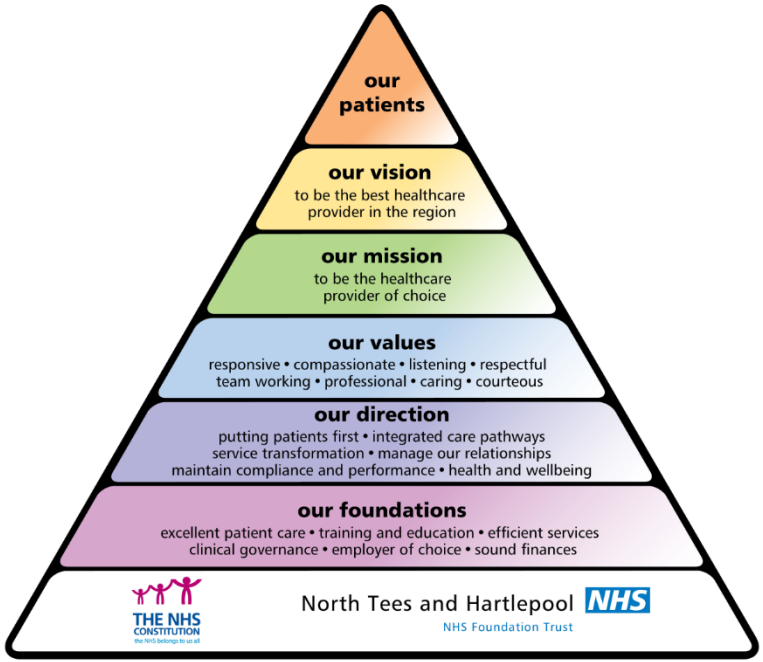
Why North Tees Trust is Adopting the Standards?

Patient Safety at the Centre of our Trust Vision.
Scan4Safety Supports this Vision.



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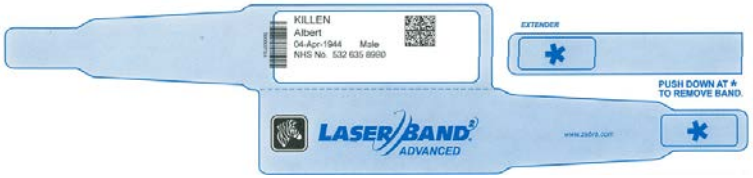
Transformation Within Our Trust – Coding

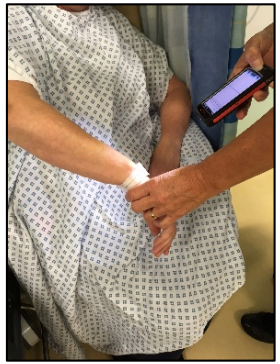
- **Patient:** All Patients Allocated a **GSRN** Wristband



- **Product:** Ability to store **GTIN** Information in Catalogue and Inventory System

- **Place:** All Locations Allocated a **GLN**

Transformation Within Our Trust – Clinical Change

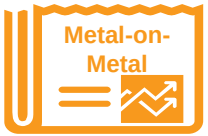


"This project will ensure that we do the right things, for the right patient, at the right time."

Deepak Dwarakanath – Director of Medicine, North Tees Hospital

- Focus "Right Product, Right Patient, Right Place"
- Paperless Hospital
- Ward and Theatre Point of Care scanning
- 126 clinical champions across the Trust

Scan4Safety Patient Journey

Patient arrives at hospital	**Patient given a GS1 barcoded wristband upon admission**	**Patient is given medication**	**The medication taken by the patient have a GS1 barcode on the packaging**	**Patient goes to theatre and has a hip replacement. All products used contain a GS1 barcode**
Patient returns home	**Patient reads about a national product recall** 	**Patient is worried that they may be effected & phones the hospital**	**Hospital staff are easily able to look up the patient & analyse all products used**	**Staff are able to confirm to the patient that they are unaffected the same day**

The Benefits So Far to North Tees

Scan4Safety is anticipated to deliver £2.6m worth benefit

- So far current benefits realised to date:
  - **3,989** nurse hours have been released back to patient care from time spend ordering and managing stock
  - **£422k** has been delivered from better stock management practices and inventory reduction
  - **£94k** has been delivered from reduction in stock wastage

- **A lot more to come as Point of Care scanning kicks off!!**

Scan4Safety Enabling NHS Wide Transformation

- Enabling transformation across the wider geographic footprint - Collaboration
- Shared systems, processes and standards - IT Strategy
- A common set of standards across acute and community care settings

A huge mix of acute, community and social care needs

Presentation Close

- Foundation for **integrated patient care**
- Identification and traceability of every **person**, every **product** and every **place**
- Huge **patient safety benefits** and financial savings

Questions?