



Department
of Health &
Social Care

Scan4Safety – retrospective and next steps

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NHS eProcurement Strategy

Using GS1 and PEPPOL standards to improve:

- Inventory management
- Purchase-to-pay processing
- Product and patient recall



Key enablers

Trusts:

- Patient identification
- Product identification
- Place identification

Suppliers

- Labelling
- Data
- Purchase-to-pay

Scan4Safety

Additional enablers:

- Staff identification
- Procedure identification
- Asset identification

Benefit areas:

- Supply chain efficiency
- Clinical productivity
- Patient safety



Highlights - communications

- DHSC eXchange workspaces and forum:
 - suppliers (c1,300 members); tech providers (c150 members)
 - trusts (c400 members); demonstrator sites (c100 members)
 - document library
- Scan4Safety public-facing website
- Scan4Safety conference
- Media coverage and ministerial support



Highlights - suppliers

- more than 250 statements of commitment
- compliance timelines agreed with trade associations for:
 - medical devices
 - in vitro diagnostic devices
 - medicines
- publication of comprehensive guidance
- continuous engagement and advice



Highlights – technology enablement

- data dictionaries
 - product
 - price
- demonstrations of technology:
 - master data exchange (BAU service being set up by NHSSC)
 - PEPPOL (46 trusts now connected)
- >£500m annualised PEPPOL order value to 250 suppliers via NHSSC



Highlights – demonstrator sites

- business-as-usual implementation of:
 - core enablers
 - primary use cases
- additional implementations of:
 - staff and procedure identification
 - patient and consultant-level costing
- realised benefits equal to £424m recurring per year if adopted across NHS



Highlights - finance

Average of actual costs and benefits reported by demonstrator sites

Total	Month 1-9	Month 10-21	Month 22-33	Month 34-45	Month 46-57	Total
Costs	£463,343	£712,736	£322,393	£0	£0	£1,498,472
Benefits	£0	£732,005	£842,298	£467,791	£467,791	£2,509,885
Net	-£463,343	£19,269	£519,905	£467,791	£467,791	£1,011,413

Revenue	Month 1-9	Month 10-21	Month 22-33	Month 34-45	Month 46-57	Total
Costs	£318,193	£516,220	£212,882	£0	£0	£1,047,295
Benefits	£0	£258,668	£467,791	£467,791	£467,791	£1,662,041
Net	-£318,193	-£257,552	£254,909	£467,791	£467,791	£614,746

Capital	Month 1-9	Month 10-21	Month 22-33	Month 34-45	Month 46-57	Total
Costs	£145,150	£196,516	£109,511	£0	£0	£451,177
Benefits	£0	£473,337	£374,507	£0	£0	£847,844
Net	-£145,150	£276,821	£264,996	£0	£0	£396,667

Highlights - finance

Forecast cost and benefit profiles for follower trusts

Total	Month 1-9	Month 10-21	Month 22-33	Month 34-45	Month 46-57	Total
Costs	£350,000	£600,000	£300,000	£0	£0	£1,250,000
Benefits	£0	£750,000	£900,000	£500,000	£500,000	£2,650,000
Net	-£350,000	£150,000	£600,000	£500,000	£500,000	£1,400,000

Revenue	Month 1-9	Month 10-21	Month 22-33	Month 34-45	Month 46-57	Total
Costs	£200,000	£400,000	£200,000	£0	£0	£800,000
Benefits	£0	£250,000	£500,000	£500,000	£500,000	£1,750,000
Net	-£200,000	-£150,000	£300,000	£500,000	£500,000	£950,000

Capital	Month 1-9	Month 10-21	Month 22-33	Month 34-45	Month 46-57	Total
Costs	£150,000	£200,000	£100,000	£0	£0	£450,000
Benefits	£0	£500,000	£400,000	£0	£0	£900,000
Net	-£150,000	£300,000	£300,000	£0	£0	£450,000

Highlights - assurance

- self-declaration schemes for:
 - trusts
 - suppliers
- full on-site audit of each demonstrator site
- comprehensive implementation manual and guidance for follower trusts
- enrolment scheme developed for follower trusts
- audit scheme developed for follower trusts



Local initiatives – demonstrator sites

- real time patient tracking
- medical equipment tracking
- tracking surgical instruments trays to patients
- blood tracking
- medical records tracking
- automated data upload to the National Joint Registry
- real time alerts for mismatched joint components
- real time alerts for incorrect intra ocular lens retrieval



Alignment with national initiatives

- Medical and In Vitro Device Regulations
- Healthcare Safety Investigation Branch (HSIB) reports:
 - investigation into the wrong prostheses during joint replacement surgery
 - investigation into the insertion of an incorrect intraocular lens (IOLs)
- ‘Cumberlege Review’ into the safety of medicines and medical devices
- Upcoming National Patient Safety Strategy
- dm+d and closed loop medication



Further national drivers

- NHS Long Term Plan:

“Use intuitive tools to capture data as a by-product of care in ways that empower clinicians and reduce the administrative burden.”

“Mandate and rigorously enforce technology standards (as described in The Future of Healthcare) to ensure data is interoperable and accessible.”

- The Secretary of State’s ‘Future of Healthcare’ (‘Tech Vision’) document emphasises the importance of standards and interoperability.
- CCIO7 – Chief Clinical Information Officer 7 imperatives



Recent ministerial support

July 2018: In his maiden speech, **Matt Hancock** cited Scan4Safety as a programme that is beneficial to the NHS:

“[Scan4Safety] is an innovation that’s driving improvements in patient safety while saving money that can be invested in the front line”.

February 2019: **Matt Hancock** said at the Royal Society of Medicine:

“Six acute NHS trusts have taken up ‘Scan for Safety’, a standard methodology using standardised naming conventions and proven technology to identify and monitor patients, and track products and places.

“I want to see this taken up by the entire acute sector.”

Next steps

- DHSC has successfully incubated Scan4Safety and proven the case
- Clear benefits for acute trusts have been demonstrated
- Scan4Safety will now transition to the NHS
- NHSX will take on responsibility for Scan4Safety from 1st July



NHSX

February 2019: Matt Hancock announced the creation of a new, joint organisation for digital, data and technology, called NHSX, which will:

- be standards-led
- be user-driven (the 'X' stands for experience)
- bring together health and technology for patients and staff



Better technology. Better outcomes.

Further information

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