

GS1 standards in healthcare

NYHDIF - THE NORTHERN, YORKSHIRE AND HUMBERSIDE NHS DIRECTORS OF INFORMATICS FORUM

George Lawton and Peta Ding 14th May 2021

An international standards organisation







What are GS1 standards?



GS1 standards define globally unique identifiers that allow organisations to distinctively identify, capture and share data







Capture

Share



A common language







GLN Global Location Number GTIN Global Trade Item Number SSCC Serial Shipping Container Code











A common language









Capture: GS1 Standards for Barcodes & EPC/RFID

GS1 Barcodes

EAN/UPC





ITF-14



GS1 DataBar











GS1 QR Code



GS1 EPC/RFID

EPC HF Gen 2

EPC UHF Gen 2







A common language





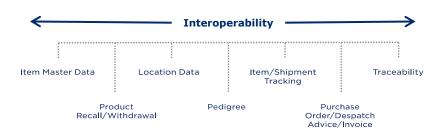
Share: GS1 Standards for Data Exchange

Master Data Global Data Synchronisation Network (GDSN)

Transactional Data eCom (EDI)

Event Data EPC Information Services (EPCIS)









What are GS1 standards in healthcare?







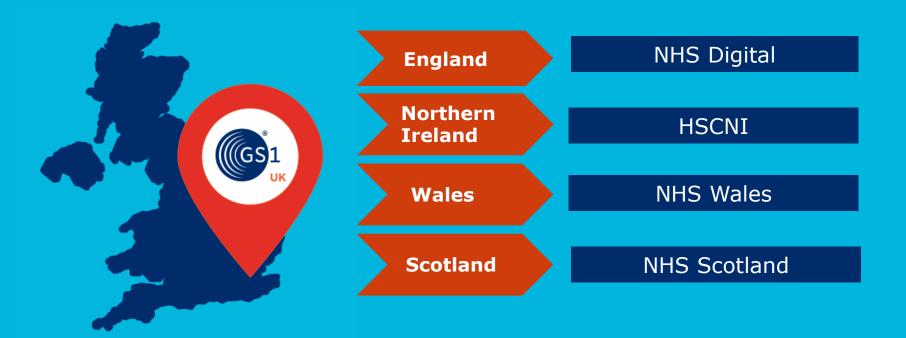


Why GS1 standards?





A four-nation approach





Scan4Safety and beyond



2014

GS1 standards mandated in 2014

DHSC mandated the use of GS1 standards within the NHS eProcurement strategy 2016

Scan4Safety Programme introduced in 2016

Six NHS trusts became fully-funded by the DHSC to join programme: Leeds, North Tees and Hartlepool, Derby, Royal Cornwall, Salisbury, Plymouth 2018

All six demonstrator sites by 2018

September 2017,
Derby Teaching
Hospitals NHS
Foundation Trust
becomes the first
trust to complete
all four phases of
Scan4Safety

2019

Included in the Health Systems Support Framework

Systems providers associated with the HSSF Lot 1 must be able to support GS1 standards

2020/21

The IMMDSR, Scan4Safety report and the MMDA

Highlighting the importance of unique identification of products and people – enabling greater traceability for patient safety



Healthcare regulatory





Medicines and Medical Devices Act 2021

Legislation that applies in Great Britain supporting the MHRA to improve its traceability of medicines and medical devices. In response to the Independent Medicines and Medical Devices Safety Review (IMMDSR).



The medical devices register will be developed to allow for the capture of reference data about medical devices available in the UK market



The **Medical Device Information System (MDIS)**, created by NHS Digital, will capture the patient, the procedure, the product, the place, and the clinicians involved, and store this in the patient's record



About the Scan4Safety programme



- Published on 15 July 2020, the Scan4Safety evidence report highlights key findings from the two-year programme
- Centred on using GS1 unique identifiers and capturing that data at the point of care

Benefits realised were two-fold:

Patient safety:

Through complete traceability; speedy and accurate recall; reduction of drug error and Never Events; improving routine observations and patient identification

Cost and efficiency savings:

Through more efficiency and cost-effective product ordering; happier, more efficient staff; the creation of accurate patient level costings; reductions in unwarranted variation



The full Scan4Safety evidence report can be accessed here



Overarching programme evidence





140,000 hours of clinical time released back into patient care



£9m worth of nonrecurrent inventory savings



Nearly £5m worth of recurrent inventory savings across the six trusts



Person, product and place

GS1 standards in healthcare

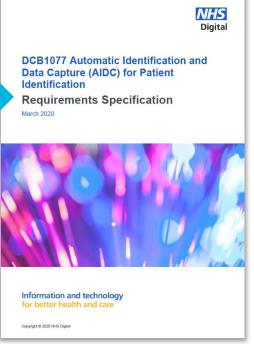




Person









Product







Place









Use cases







Healthcare supplier engagement



Engagement, training and development

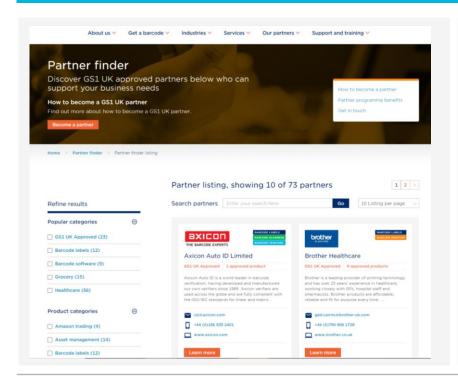
- Member support
- Targeted subject-specific training/engagement webinars
- Regular GS1 standards-based educational webinars
- Focused supplier events
- Bespoke eLearn platform
- Dedicated virtual training courses





GS1 UK partners









Questions

george.lawton@gs1uk.org

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