



The Global Language of Business

Improving patient care with GS1 standards

Enabling patient safety
by helping to make dispensing and administration errors a thing of the past

Enabling automatic, accurate and efficient processes

Point-of-care scanning to match products to data

Stock control and inventory management

Machine-readable product verification at dispensing

Machine-readable verification of patient identity

Recording implant identification in patient records and central registries

Traceability of individual surgical instruments

80%
reduction in administration documentation errors

Using barcodes reduces documentation errors by 80.3%

(Poon EG, et al. "Effect on Bar-Code technology on the Safety of Medication Administration." N Engl J Med 2010; 362:1698-1707. <http://www.nejm.org/doi/full/10.1056/NEJMsa0907116>)

51%
reduction in adverse drug events

Barcode scanning procedures reduce potential adverse drug events by 50.8%

57%
reduction in medication errors

By using barcodes there is the ability to reduce medication errors by 57.4%

Easily managed recalls

Easily identified, specific batch numbers and accurate recording of medication data can help to pinpoint affected products and patients more quickly

Efficient and selective inventory management can bring major cost savings

More time for clinical decision-making and patient care

Complete and accurate data can support improved clinical decision-making

Automation by use of barcodes can reduce administrative duties and free up time to care for patients

(McKinsey report "Strength in unity: The promise of global standards in healthcare," Oct. 2012)



Contributing to 100% traceability of medications

at St James's Hospital, Dublin, Ireland

Issue

Infected medication remained in the supply chain after recall in 2001, leading to patient infection and over 80 deaths

Lack of standardised barcodes on haemophilia medication and ineffective traceability

Solution

Deployment of multi-location Electronic Patient Record System

Deployment of a medication delivery traceability system

Implementation of GS1 standards, including GTIN, GLN and GS1 Data Matrix barcodes

Results

Mock recall identified the location of 100% of medications within 10 minutes

Over €5 million worth of medication stock has been removed from the supply chain

Product wastage reduced from €90,216 to zero in the year after implementation

Documentation errors reduced from 12 to zero in the year after implementation

(St James's Hospital, Dublin (Ireland) manages the National Centre for Hereditary Coagulation Disorders (NCHCD).)

Helping save 7% in medication inventory and associated costs

at North York General Hospital, Toronto, Canada

Issue

Risk of medication errors at the point-of-care due to insufficient product identification

Lack of single-unit barcoding of medication

Solution

Installation of automated re-packager and barcoding station

Implementation of a point-of-care barcode verification system to ensure the five patient rights (right patient, right drug or device, right time, right dose, right route)

Implementation of GS1 standards, including GTIN and GS1 barcodes

Results

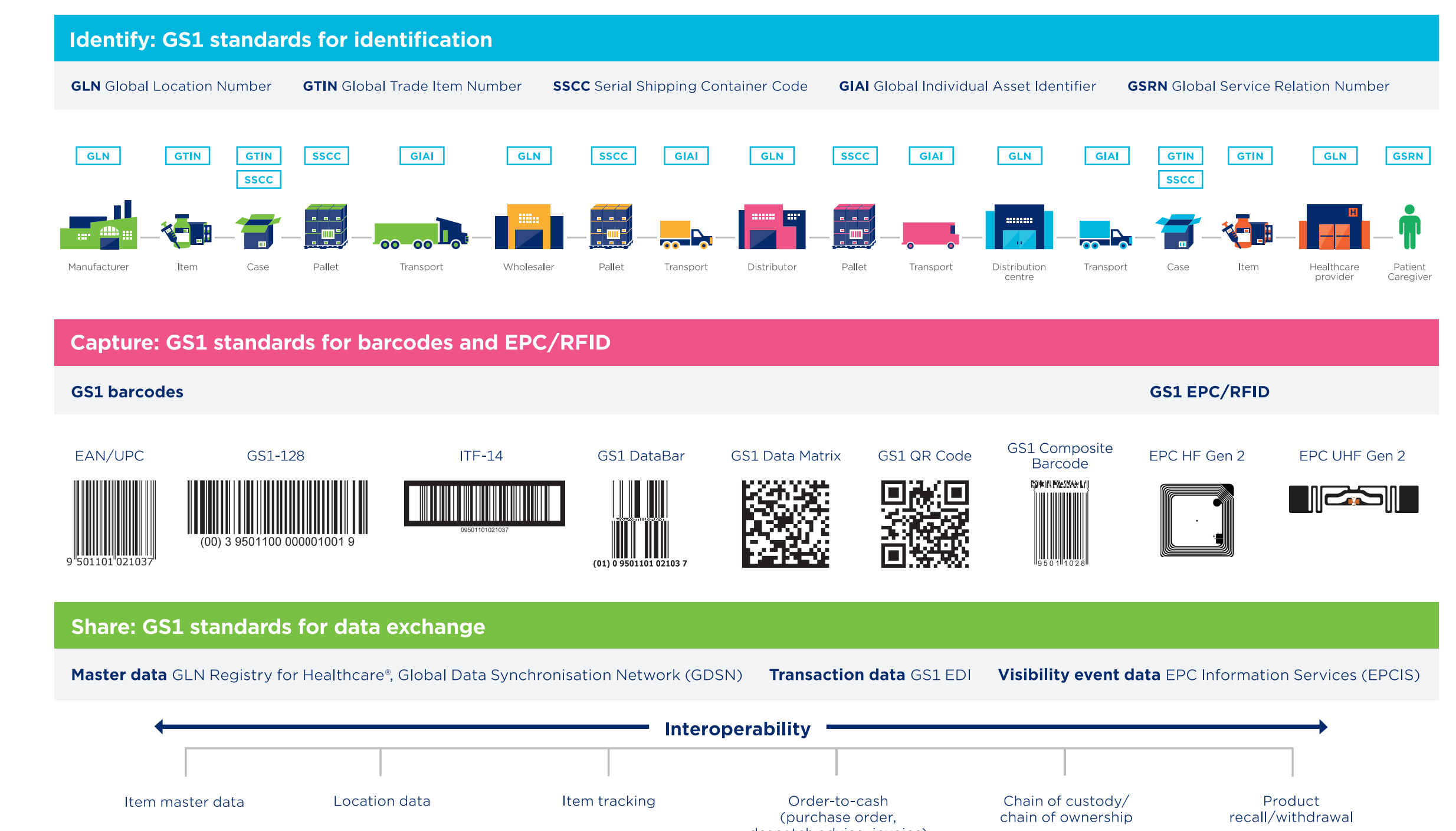
Reduced medication errors at the point-of-care

Cost savings of 7-8% in medication inventory and associated drug costs

Efficiently affixing barcodes to single-unit packages

Efficient bedside verification

GS1 standards in healthcare



Saving lives by adopting global standards



"Implementing global standards across the entire healthcare supply chain could save 22,000 to 43,000 lives and avert 0.7 to 1.4 million patient disabilities."



"Rolling out standards-based systems globally could prevent tens of billions of dollars' worth of counterfeit drugs from entering the legitimate supply chain."



"We estimate that healthcare costs could be reduced by \$40 to \$100 billion globally from the implementation of global standards."

(McKinsey report "Strength in unity: The promise of global standards in healthcare," Oct. 2012)

Learn more about GS1 in healthcare

GS1 Healthcare members include over 70 leading Healthcare organisations worldwide

Nearly 40 local Healthcare User Groups driving GS1 standards implementation

GS1 is not-for-profit and member driven

Used to meet more than 65 healthcare regulatory requirements

Over one million user companies (including public and private hospitals, and other healthcare providers)

150 countries served

Join GS1 Healthcare

www.gs1.org/healthcare
info@gs1.org

