

**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**

- Barcoding enables product verification of patient identity
- Machine-readable product verification of dispensing
- Machine-readable product verification of surgical instruments

- **80% reduction in administration documentation errors**
- **51% reduction in adverse drug events**
- **57% reduction in medication errors**

**Easily managed recalls**

- Easily identified, specific batch numbers and accurate recording of medication data can help to prevent 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**

- Completeness 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

**Contributing to 100% traceability of medications**

- **Issue**
  - Inaccurate medication remained in the supply chain after recall in 2001, leading to patient infection and over 100 deaths
  - Lack of standardised barcodes on heat-sensitive medications and ineffective traceability

- **Solution**
  - Deployment of Multi-location Electronic Patient Record System
  - Development of a medication delivery traceability system
  - Implementation of GS1 standards, including GTIN, GLN and EAN Data Matrix barcodes

**Helping save 7% in medication inventory and associated costs**

- **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 repackager and barcoding station
  - Implementation of a point-of-care barcode verification system to ensure the five patient rights (right patient, right drug, right dose, right route, right time)
  - Implementation of GS1 standards, including GTIN and GS1 barcodes

**GS1 standards in healthcare**

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- **Issue**
  - Medication errors still occur in the supply chain
  - Lack of standardisation and traceability

- **Results**
  - Medication errors identified by GS1 standards
  - Significant cost savings for healthcare providers

**Saving lives by adopting global standards**

- "Implementing global standards across the entire healthcare supply chain could save 20,000 to 45,000 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 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."

**Learn more about GS1 in healthcare**

- GS1 healthcare members
  - Over 19,000 healthcare members
  - Nearly 60,000 healthcare facilities

- GS1 for health and medical devices
  - Used by more than 40 healthcare regulatory requirements

- GS1 for affordable and value healthcare
  - Over 1.8 billion products are tracked and valued

- GS1 for global healthcare
  - Over 150 countries served

**Join GS1 Healthcare**

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