Global Standards in the Healthcare Supply Chain

Implementing GS1 Standards
GS1 – an international standards organisation

Not-for-profit
112 Member Organisations
Over one million user companies
(from SME to global companies)
Member driven
150 countries served; 20 different domains
2,700 people helping us
Over 6 billion transactions a day
Our Vision

GS1 Healthcare envisions a future where the healthcare sector integrates GS1 Standards into supply chain processes for all relevant items, locations and people to drive patient safety and supply chain efficiency improvements.
Our Vision

The vision of GS1 Healthcare is to be the recognised, open and neutral source for regulatory agencies, trade organisations and other similar stakeholders seeking input and direction for global standards in healthcare for patient safety, supply chain security & efficiency, traceability, and product data.
Working with global organisations...
...in Healthcare lack of standards can cost a life
The healthcare supply chain needs global standards

- Medication errors result in additional treatments, disabilities and even loss of life
- Counterfeiting is an increasing global threat
- Traceability from manufacturer to patient is problematic
- Product recalls can be difficult to manage, in particular for healthcare providers
- Manual interventions in the healthcare supply chain decrease its efficiency and accuracy
Medication Errors – happening today

**US**
- 44,000-98,000 die in the US alone as the result of medication errors (IoM, 2006)
- More than Motor vehicle accidents (43,458), breast cancer (42,297) or AIDS (16,516)
- Estimates of cost for US figures- $17-$29 Billion annually $2,000-$5,000 per event (HDMA, 2004)

**UK**
- Approximately 10% of inpatient episodes result in a medication error
- Of the 8 million hospital admissions in England, 850,000 result in a patient safety incident, costing the National Health Service £2 billion.

**New Zealand**
- In hospital adverse events, (5.5% of these are preventable) 5,000 patients experience an adverse event, 150 die, 400 are permanently disabled

**Germany**
- “17,000 die from medical errors” (Deutsches Arzteblatt International, March 5, 2010)

**East Africa**
- “Medical error is expensive for life” (In2EastAfrica, January 22, 2012)

Globally this is the equivalent of a Jumbo Jet falling out of the sky every day with 100% fatalities
Combating counterfeiting

The introduction of a unique identification for drugs or medical devices, where appropriate, will enable authentication and traceability systems.

This will make it much more difficult for counterfeiters to intrude into the Healthcare supply chain.

GS1 standards play a major role!
Ensuring the ‘5 Patient Rights’

- The right patient
- The right dose
- The right route
- The right time
- The right product
GS1 helps for better visibility in the hospital supply chain

- **Improve patient safety**
  - Reduce medical errors (medication errors, verification of patient ID, etc.)
  - Enable effective product recalls
  - Fight counterfeiting
  - Enable adverse event reporting
  - More time for patients

- **Increase efficiency and save costs**
  - Improve order and invoice process
  - Optimise receiving
  - Reduce inventory & improve shelf management
  - Increase productivity
  - Improve service levels/fill rate
  - Improve benchmarking and management of supply cost
  - Efficiently document treatment in patient’s Electronic Health Record
Benefits for Patient Safety

• Improved recall procedure and adverse event reporting
• Documentation of product/patient relationship – in electronic health records (EHR) and registries
• Visibility of inventory – availability of devices
• Reduction of medical errors
• Supply chain security/anti-counterfeiting
McKinsey & Company report quantifies supply chain issues in Healthcare

Source: http://www.mckinsey.com

New McKinsey report “Strength in unity: The promise of global standards in healthcare”

Highlights the cost savings and patient safety benefits of adopting a single global supply chain standard in healthcare

Available at: http://www.gs1.org/healthcare/mckinsey
Some of our success stories...

GS1 standards remove at least €5 million worth of stock at St James’s Hospital (Ireland, 2010)

Mock recall can identify location of 100% medication within 10 minutes.

Product wastage reduced from €90,216 to zero in the year post service implementation.

Reduced emergency consignment stock orders thanks to improvements in forward demand/stock planning plus €1.1 million saving. (Leeds, UK)
But there is still much more that should be done...!
We have to keep moving forward to ensure GS1 standards benefit all patients worldwide.
Imagine a world where...
...the patient rights were reality, all the time!

right careegiver
right route
right medication
right dose
right medical device
right patient
right time
Did you know?

Read about a dozen different real-world deployments of GS1 standards in the healthcare sector across the world:
Australia, Austria, Belgium, Brazil, Colombia, Germany, Netherlands, China, USA

http://www.gs1.org/healthcare
Safer and efficient care starts with a simple scan.
Ultimately, it’s all about...

PATIENT SAFETY!
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