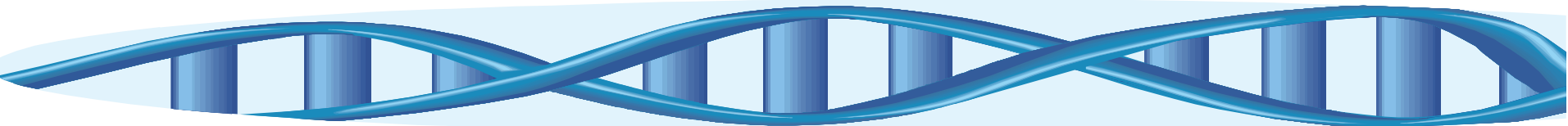


Adopting GS1 Standards in Healthcare



Vincent Callan
St James's
Hospital,
Dublin, Ireland



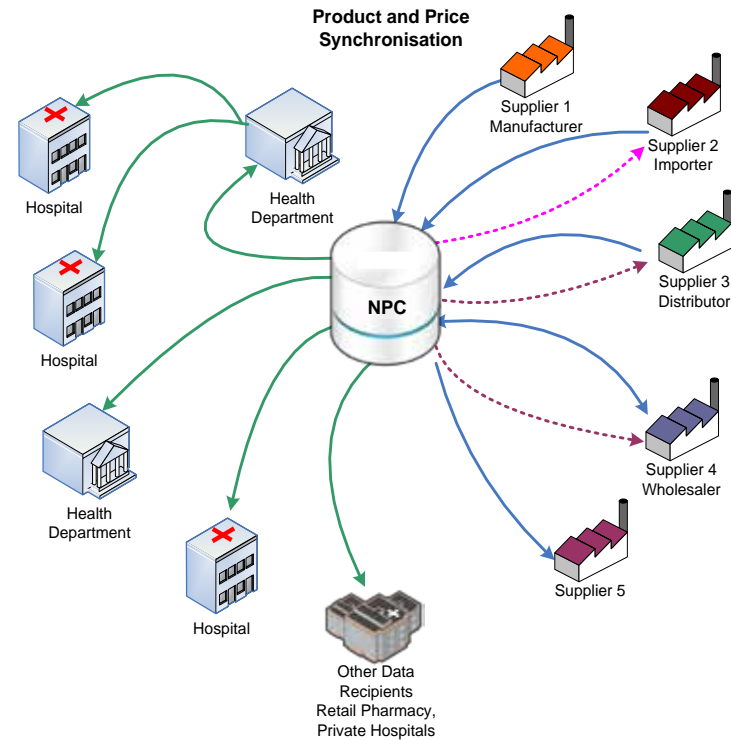


Agenda

Achieving the Perfect Order



1. Introduction
2. Background
3. Outline Proof of Concept
4. Current Status
5. Benefits
6. Key Takeaways



How GS1 Standards enable efficiency, visibility, safety & collaboration



St James's Hospital - Overview



General

- Large academic teaching hospital (1,000 beds)
- > 25,000 Inpatients
- > 95,000 Day Cases
- > 225,000 Outpatients

Supply Chain

- > 8,000 Product lines
- > 800 Suppliers
- > 40,000 internal stock orders PA





SJH and GS1



Supply Chain/Procurement: Development prior to GS1

- Master Data Management
- SAP EPR
- SAP GUI (Kan Ban)
- Document Management
- RFID



SJH meets with GS1



IDENTIFY



CAPTURE



SHARE



Identify correctly, globally and consistently every time

SJH and GS1

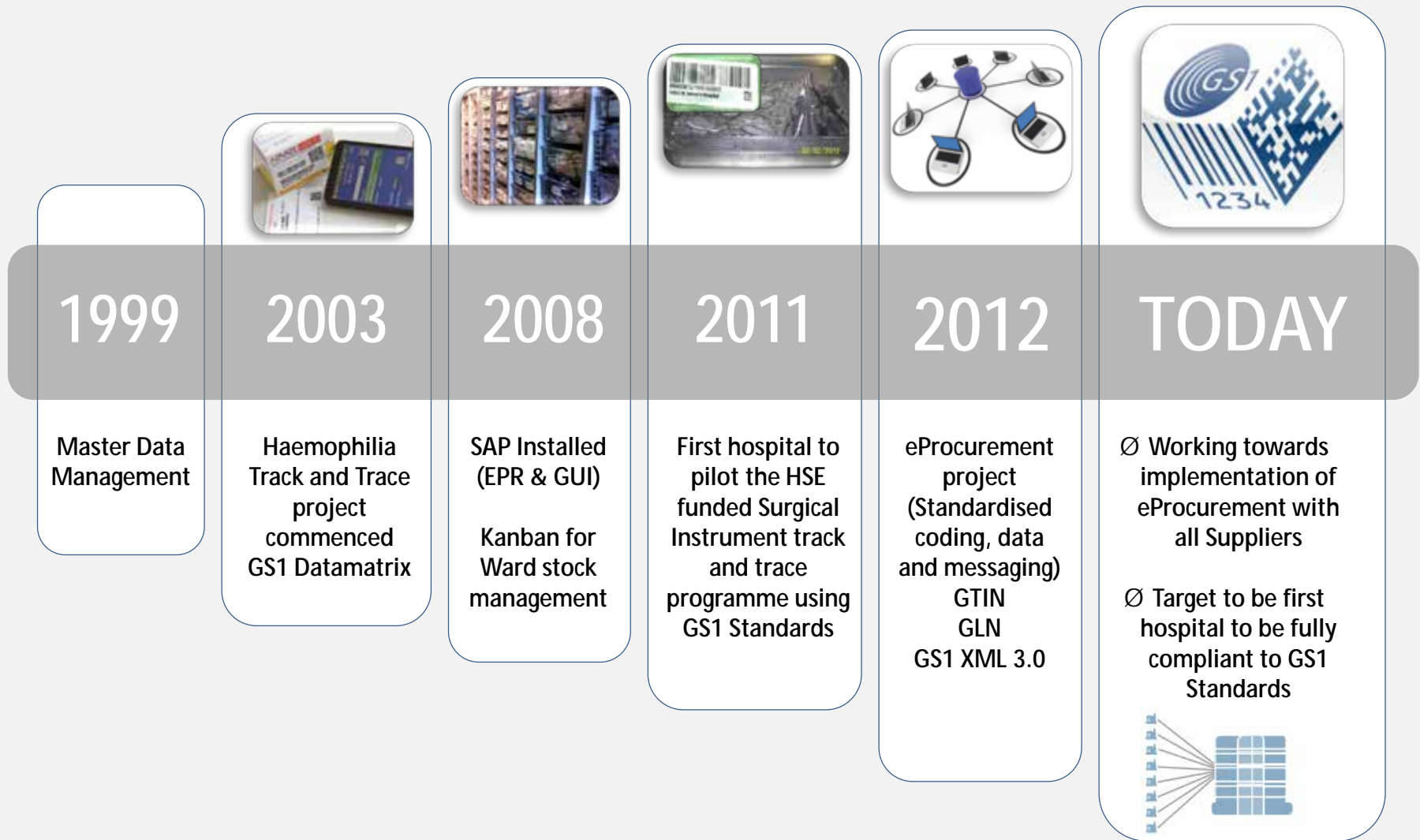


Clinical Projects: SJH has worked with GS1 since 2003

- 2003 - NCHCD (National Centre for Hereditary Coagulation Disorders) Haemophilia track and trace solution
- 2011 - HSE Funded National Instrument tracking solution



SJH Overview



SJH Timeline: Implementing GS1 Standards

SJH Drivers For GS1 Adoption



Internal

- Patient Safety
- Increase Supply Chain Efficiencies
- Patient Level Costing

External

- Increase in Product Recall
- Legislation (falsified medicines and medical devices (UDI))
- Policy Change (Money Follows Patient)
- Drive for cost savings

SJH – GS1 Vision



Full Traceability to the Patient

‘Beep/Scan’ at the Patient Bedside supports Patient Safety and Automated:

- Payment of Invoice
- Check **Inventory** stock levels and replenish if necessary
- **Traceability** – ability to recall

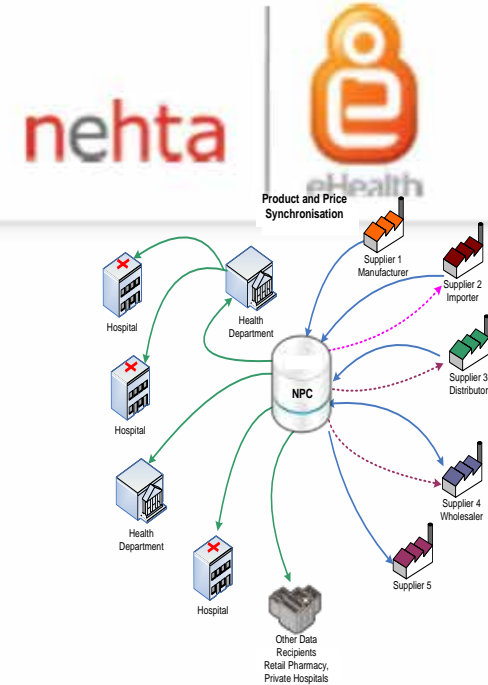
>> Links Clinical Systems with Non-Clinical Systems



Standardised, Integrated, Easy to Use

The Australian Model

NEHTA and GS1 = NPC



1. Lack of standardised **product** identification = **GTIN**
2. Lack of standardised **location** identification = **GLN**
3. Multiple product data catalogues being maintained per hospital, per hospital network and per state = **NPC**
4. Inaccurate and inefficient procurement practice = **eProcurement (GS1 XML)**



SJH adopting GS1 standards

POC Pilot Scope 'the perfect order'



Overview

- Suppliers (J&J, Medtronic, Cruinn)
- Sample of Products per Supplier (**GTIN, GLN**)
- Standardised data = **NPC**
- Standardised EDI messaging (**GS1 XML**)
 - Order (PO), Advanced Shipping Notice (ASN), Receipt Advice (RAN), Invoice (INV)
- Full integration into backend ERP (SAP)
- Key SJH Partners: GS1, Atlas Products (EDI)

Current Status

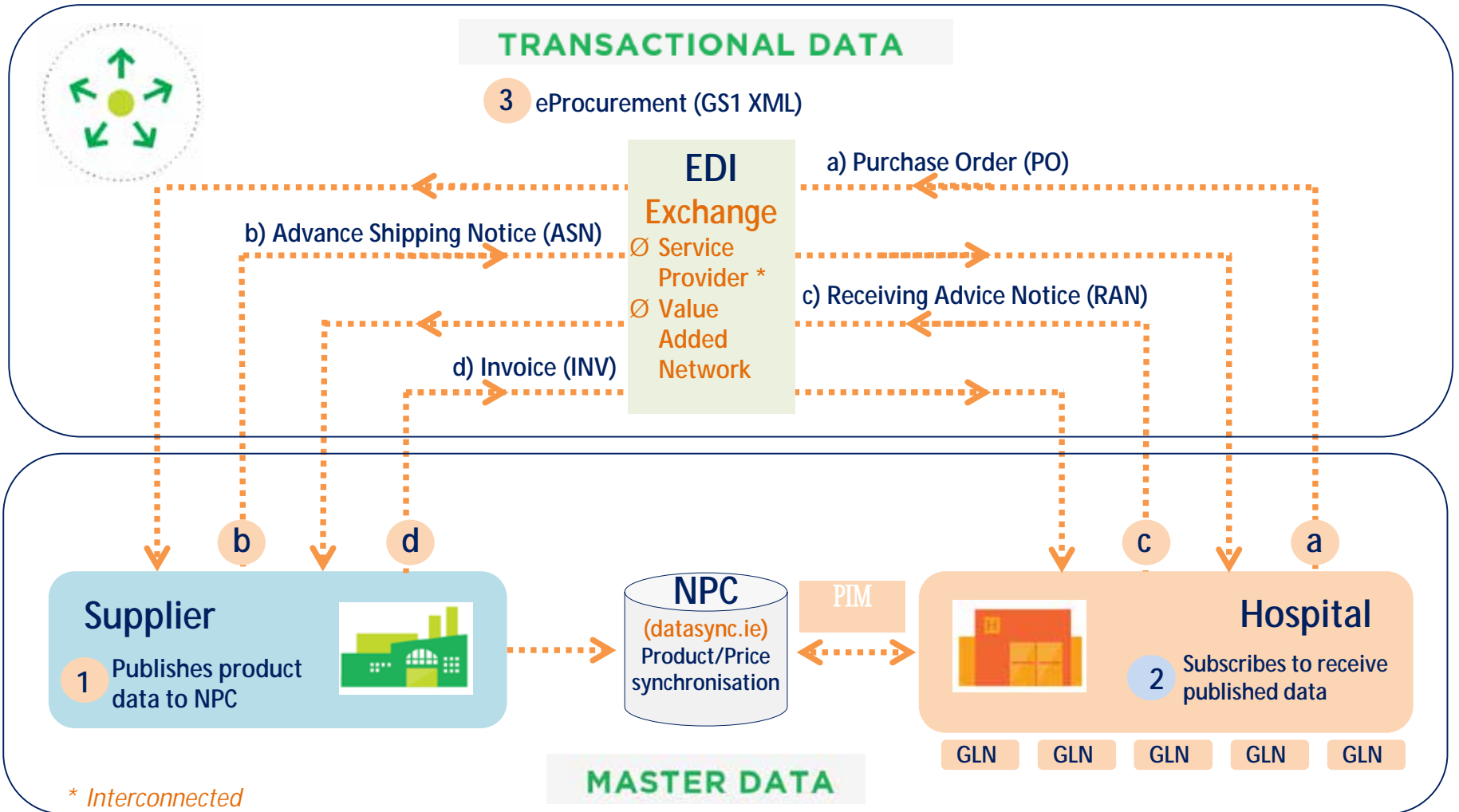
- Final testing and completion – December 2013

Focus is on getting the data and electronic messages flowing



SJH Proof of concept

'The Perfect order'



PIM = Product Information Manager



Benefits:

Visibility in the hospital supply chain



- **Improve patient safety**

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



- **Increase efficiency and save costs**

- Improves order and invoice process
- Optimise receiving
- Reduce inventory wastage & improve shelf management
- Improve service levels/fill rate



What does it mean for the Clinical Staff ?



- ü More time for Clinical duties
- ü Less time spent looking for items, patients, staff etc..
- ü Less time spent with paperwork, transcribing notes etc..
- ü Reduction in manual workload
- ü Ease of reporting when required to

BUT this will only work if implemented Solutions are standardised and integrated (ie can talk to each other)

What should you be thinking of as Solutions are implemented?



- ü Solutions should be based on **Standards** (this will become a feature on tenders)
 - ü **Hardware** – Scanners should be able to read 2D Datamatrix
 - ü **Software** should be GS1 compliant (ie can process the information in the 2D datamatrix)
 - ü **Products** should be labelled with GS1 compliant barcodes





SJH POC – Next Steps



- ü SJH 'ready' for eProcurement based on GS1 Standards (coding, data, messaging)
- ü Whitepaper to be published soon
- ü Official event planned towards end of 2014
- ü First Supplier to Go Live – Q2 2014
- ü Communication to Suppliers ongoing
 - ü Included in Tenders
 - ü General letter being sent to all Suppliers
 - ü Suppliers invited to get involved
- ü SJH engaging with HSE and OGP
- ü SJH happy to work with other hospitals to facilitate consistent National approach

SJH Supplier Communications



OSPIDÉAL NAOMH SEAMAS
ST. JAMES'S HOSPITAL



OSPIDÉAL NAOMH SEAMAS, 52-60 O'CONNOR STREET, DUBLIN 8
ST. JAMES'S HOSPITAL, SPURRIE QUAY, DUBLIN 8
T: 01 454 4000 • WWW.SJH.HOSPITAL.IE

RE: Managing Director, Supply Chain, Operations and ICT Director

Re: Adoption of ISO Standards at St James's Hospital

27th May 2014

Dear Supplier,

St James's Hospital has recently completed a successful E-Commerce 'Proof of Concept' project using ISO global standards. This project was completed in cooperation with a number of national and international suppliers and demonstrated the need to end existing practices based on ISO global standards.

This initiative, a first for Irish healthcare, enables the complete automation of the business cycle, from data alignment, purchasing, receipt of goods to payment. It presents significant advantages for both the supplier and hospital. It has been supported by those suppliers who have now committed to work towards full implementation in order to trade with the Hospital in a new environment.

The second phase of this initiative has now commenced, medical devices will be scanned to the patient update based on ISO for coding standards. This will ensure the Hospital is working towards the highest levels of patient safety by implementing an efficient electronic means of identifying, tracking and tracking any defective product to the supply chain.

All of the above enables St James's Hospital to implement automated processes that are mutually beneficial to the supplier. In addition, it will enable implementation of web to web solutions that support 'Money Follows the Patient' model and leverage an improved LIS application which ensures all medical devices meet comply with, effective from September 2014 for PDA and 2016 for DR.

To this end, St James's Hospital will now require ISO Standards evidence. Information File requests on all future St James's Hospital orders for medical devices with a view to covering all product categories over time. This information will initially be used to gauge supplier readiness and will support the more detailed implementation with key suppliers.

If you would like to discuss the completed Proof of Concept further or to learn more about supplier requirements for St James's Hospital's full implementation strategy on this initiative, please contact Mr. Michael Cullen, Director of Facilities Management, St. James's Hospital, michael.cullen@sjh.ie

See web issues for further information on ISO Standards
www.sjh.ie/iso27001andiso13485

Kind Regards,


Alan Fitzgerald
Chief Executive


Michael Cullen
Director of Facilities Management

OSPIDÉAL NAOMH SEAMAS, 52-60 O'CONNOR STREET, DUBLIN 8
ST. JAMES'S HOSPITAL, SPURRIE QUAY, DUBLIN 8





Summary of SJH POC



- International Standards required for Scalability and to Future proof solutions
 - ü Enables the **foundations** to be put in place – standardised (product coding, product data and locations)
 - ü Facilitates a **Common approach** - National Solution for buyers/suppliers
 - ü Supplier engagement/**tender management** (collaborative approach to encourage adoption of standards)
 - ü Consistent **communication** required
 - ü **Partnership** with and support from GS1 Ireland is Key

Get started on the journey of Standardisation NOW!



Benefits for ALL

Existing partnerships in Irish Healthcare

Improving patient safety, medication management and VFM

Proven Applications



- **NCHCD Track and Trace** solution for the safe treatment of Haemophilia patients tracing product from manufacturer to the patient record



- **HSE Surgical Instrument Track and Trace** solution to track trays from sterilisation through to theatre to the patient record



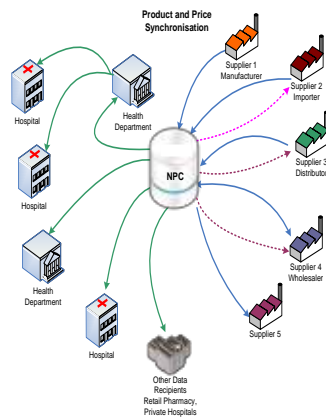
- **Galway Clinic - Medical Device Tracking using RFID** solution to track Medical Devices from store room to theatre to the patient record – *now tracking Patients and Assets*

Existing partnerships in Irish Healthcare

Improving patient safety, medication management and VFM

Current Projects (Development phase)

- **National Product Catalogue and electronic procurement solution** to prove benefits of synchronising master product data from Suppliers and exchanging key procurement messages electronically
- **Lab Sample tracking using RFID solution** to prove benefits in tracking precious lab samples using RFID (Radio Frequency Identification)
- **HSE Logistics solution** to procure and track stock items through the HSE supply chain by using the barcodes that already exist on the products
- **HSE Services Directory solution** to use GS1 Identifiers for Healthcare Professionals, Locations and Services
- **National Joints Registry (NOCA), Vaccines Pilot and many other traceability opportunities for Patient Safety...**



Global automatic identification standards



GS1 Standards ... 6 billion 'beeps' per day

Product identification in Healthcare should be as ubiquitous as it is in the retail and grocery industries



And Finally.. Healthcare Provider Advisory Council (HPAC)



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HPAC Webinars

The Healthcare Provider Advisory Council Webinar Series.

Find out how GS1 can enable patient safety and improve efficiency in the hospital setting. Hear about cases of GS1 Standards implementation in the care giving environment.

These complimentary webinars will take place on the **second Thursday of each month.**

Next Date	Thursday 13 March 13:30 - 14:30 GMT
Invited attendees	All healthcare providers (clinical and non-clinical staff, pharmacists, managers etc) interested in learning about GS1 Standards implementation in the care giving environment.
Topic	Traceability of Drugs: Implementation in a hospital pharmacy in Argentina

Register now

Past HPAC Webinar Details

Date	Topic	Link
13th February 2014	The link between Traceability and Patient Safety	View Recording Download Presentation



FREE Webinars
Registration
required

www.GS1ie.org/Healthcare (events)

Contact GS1



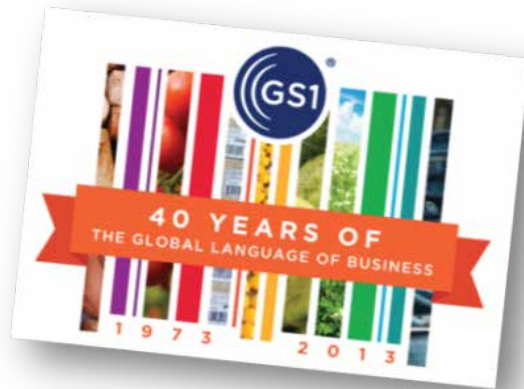
Siobhain Duggan

Director of Innovation and Healthcare

Tel 01 208 0679

Mob 086 045 9816

eMail siobhain.duggan@GS1ie.org



GS1 Ireland

Second Floor, The Merrion Centre, Nutley Lane, Dublin 4

Web www.GS1ie.org/Healthcare