

Welcome and thank you for attending!



- Welcome to our April 2018 webinar.
Thank you to our guest speakers Simon Moores, Director of Finance and John Cotter, Programme Director Activity Based Funding of St James's Hospital, Dublin, Ireland
- Some housekeeping for today:
 - All attendees will be on mute
 - If you have questions during the presentation, please type them into the questions area and these will be monitored then answered at the end of the call
- After the webinar:
 - Within a week, the recording will be posted to: http://www.gs1.org/healthcare/hpac_webinars
 - All previous webinars are also posted to this location, so please feel free to use this resource and share the link

The GS1 Healthcare Provider Advisory Council (HPAC)



Focus is on thought leaders and adopters of GS1 Healthcare Standards from the global clinical provider environment. Their final goal is to improve patient safety, cost efficiency and staff productivity through implementation of GS1 standards.

A forum for sharing and discussion

Identification of projects and case studies

A source of expertise and advice

- About the practical realities of implementation of GS1 Standards in the care giving environment in regards to the impact on clinical care and patient interaction
- That support the adoption of GS1 Standards in healthcare providers and retail pharmacies
- For publication, presentation and sharing
- To those involved in GS1 standards development, the wider Healthcare stakeholder community and senior executives/decision-makers to gain their buy-in and support for implementation of GS1 Standards



Webinars

- Monthly webinars open to all stakeholders interested in learning about GS1 standards implementation in the care giving environment.
- http://www.gs1.org/healthcare/hpac_webinars

Awards

- Twice per year
- Provider Best Case Study Award
- Provider Recognition Award
- The prize is travel / accommodation to attend the next GS1 Healthcare conference
- <http://www.gs1.org/healthcare/hpac>

GS1 Healthcare also holds two global conferences per year. The next conference will be in Bangkok from October 31st – November 1st, 2018. We expect significant Healthcare Provider participation on the agenda.



Traceability at St. James's Hospital



Simon Moores
Director of Finance, St James's Hospital

John Cotter
Programme Director, Activity Based Funding, St James's Hospital

St James's Hospital



Key Data

- 60 Acre Campus
- €440m
- 1,000 beds
- 25,000 IP Discharges
- 48,000 Day Cases
- 280,000 OPD
- Largest Academic Teaching Hospital in Ireland
- Focus on innovative projects



Evolution of a Medical Campus, “Shared Vision”



MISA



Mercers Institute for Research on Ageing



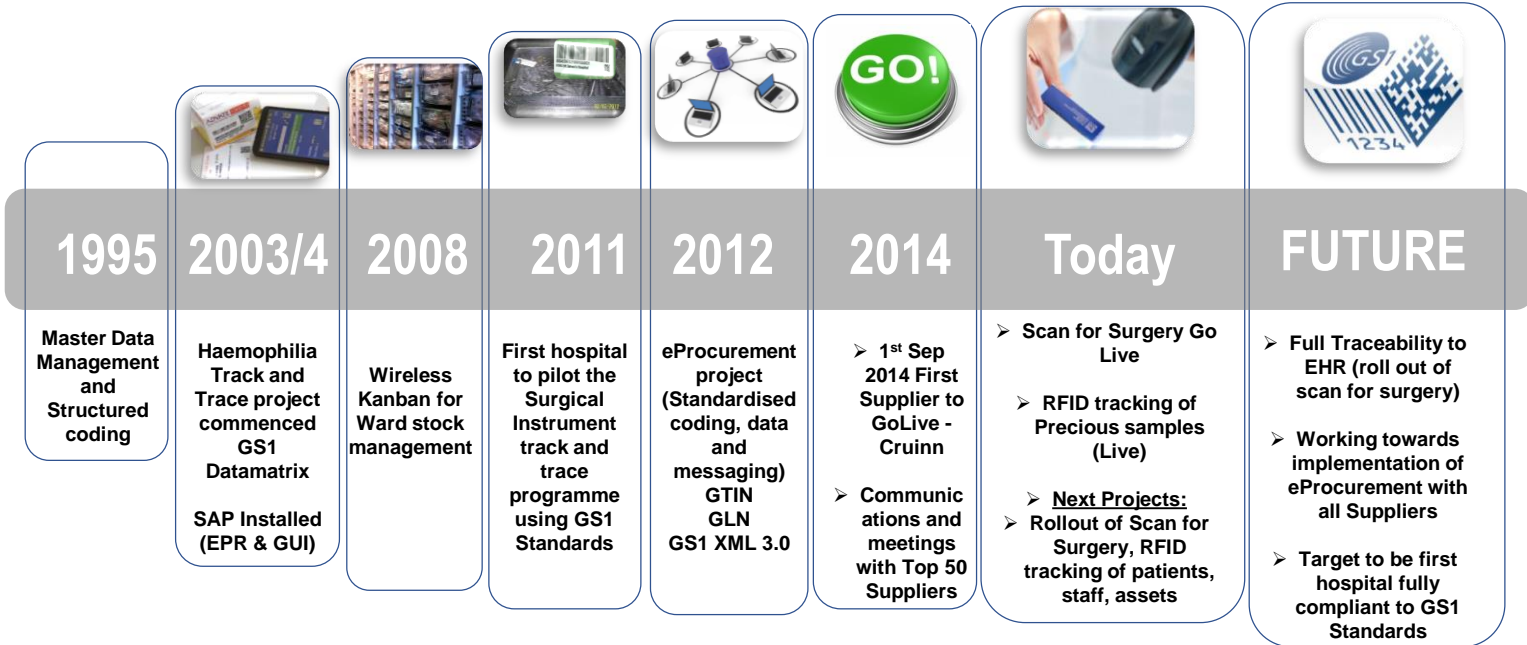
NCH

National Children's Hospital

**ST. JAMES'S
HOSPITAL**



Business Process Innovation: Implementing GS1 Standards





SJH Whitepapers, Case studies, posters, in the news

Delivering world-class patient safety and efficiency in healthcare by taking paper and cost out of procurement

ABSTRACT
The paperless procurement process at St. James's Hospital (SJH) has resulted in a 10% reduction in procurement costs, a 20% reduction in procurement cycle time, and a 10% reduction in procurement risk. This is achieved through the use of a cloud-based procurement system that allows for the digital signing of contracts, the elimination of paper-based contracts, and the use of a central procurement hub.

KEYWORDS
Procurement, Digital, Efficiency, Patient Safety, Cost Reduction.

EXAMPLE OF BUSINESS IMPACT
The paperless procurement process at SJH has resulted in a 10% reduction in procurement costs, a 20% reduction in procurement cycle time, and a 10% reduction in procurement risk.

KEY BENEFITS FOR HEALTHCARE PROVIDERS

- Reduced procurement costs
- Increased procurement efficiency
- Improved procurement risk management
- Enhanced patient safety

St James's Hospital: leading global innovation in healthcare

A hospital-wide approach to adopting GS1 standards

Building a digital hospital GS1 standard

St. James's Hospital (SJH) has been recognized as a global leader in healthcare innovation through its adoption of GS1 standards. This approach has enabled the hospital to improve patient safety, reduce costs, and enhance operational efficiency. The implementation of GS1 standards has been a key factor in SJH's success in delivering world-class patient safety and efficiency in healthcare.

Bar coding on pharmaceutical packaging cuts costs and improves patient safety

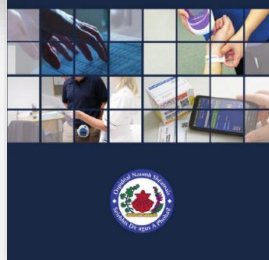
ABSTRACT
The implementation of bar coding on pharmaceutical packaging at St. James's Hospital (SJH) has resulted in a 10% reduction in procurement costs, a 20% reduction in procurement cycle time, and a 10% reduction in procurement risk. This is achieved through the use of a cloud-based procurement system that allows for the digital signing of contracts, the elimination of paper-based contracts, and the use of a central procurement hub.



Case Study: eProcurement at St James's Hospital, Dublin



Achieving World Class Patient Safety and Efficiency in Irish Healthcare



RFID Irish Hospital Tracks Precious Samples

St. James's Hospital is pioneering the collection and movement of tissue samples removed from surgical patients, thereby ensuring their safe storage and use in research and a better way of track samples.

Key Facts:

- St. James's Hospital, Dublin, Ireland, has begun using RFID (Radio Frequency Identification) technology to track the location and movement of tissue samples removed from surgical patients.
- The implementation of RFID technology has resulted in a 10% reduction in sample loss, a 20% reduction in sample tracking time, and a 10% reduction in sample risk.
- The use of RFID technology has also enabled the hospital to improve patient safety, reduce costs, and enhance operational efficiency.

St. James's Hospital - leading global innovation in healthcare - a hospital wide approach to adopting GS1 standards

Healthcare provider implementation

St. James's Hospital (SJH) has been recognized as a global leader in healthcare innovation through its adoption of GS1 standards. This approach has enabled the hospital to improve patient safety, reduce costs, and enhance operational efficiency. The implementation of GS1 standards has been a key factor in SJH's success in delivering world-class patient safety and efficiency in healthcare.

St. James's Hospital - Building a digital hospital

St. James's Hospital (SJH) has been recognized as a global leader in healthcare innovation through its adoption of GS1 standards. This approach has enabled the hospital to improve patient safety, reduce costs, and enhance operational efficiency. The implementation of GS1 standards has been a key factor in SJH's success in delivering world-class patient safety and efficiency in healthcare.

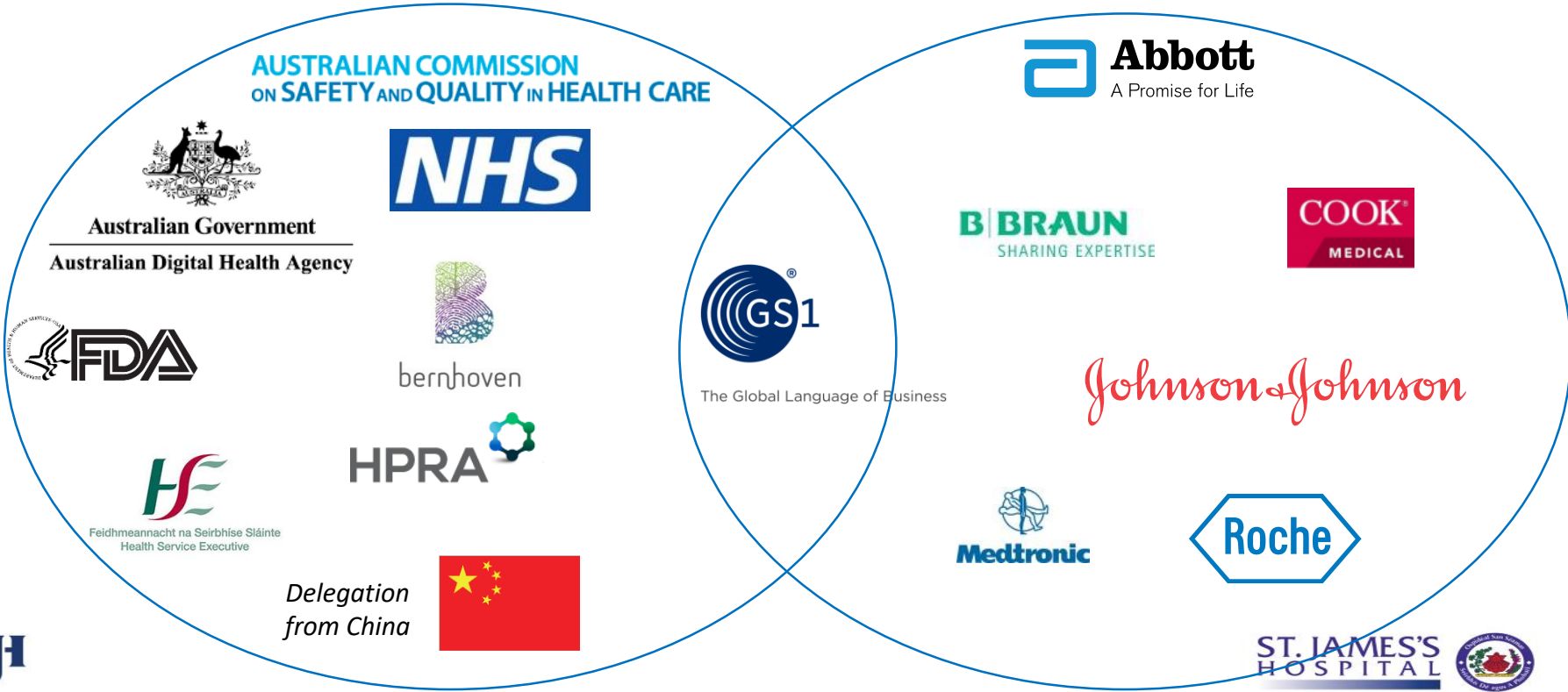
Safe Surgery Saves Lives

St. James's Hospital (SJH) has implemented a safe surgery program that has resulted in a 10% reduction in surgical complications, a 20% reduction in surgical cycle time, and a 10% reduction in surgical risk. This is achieved through the use of a cloud-based procurement system that allows for the digital signing of contracts, the elimination of paper-based contracts, and the use of a central procurement hub.





SJH - hosting visits both locally and internationally



AUSTRALIAN COMMISSION ON SAFETY AND QUALITY IN HEALTH CARE



Australian Government

Australian Digital Health Agency



bernhoven



The Global Language of Business



A Promise for Life



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive



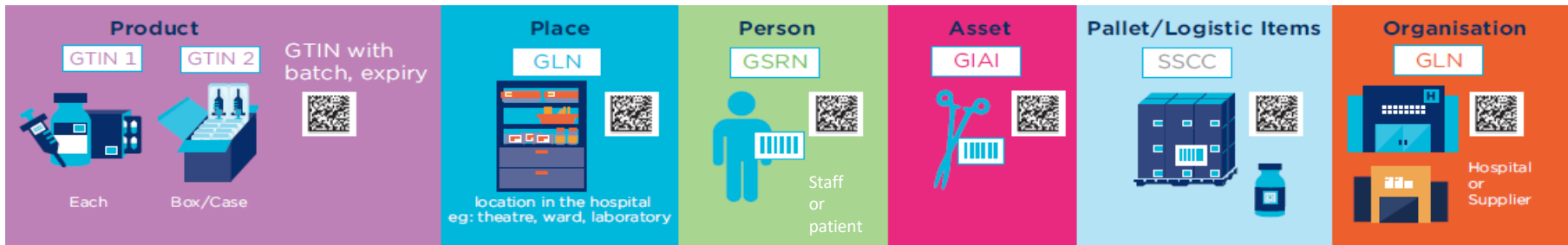
Delegation from China





Traceability at St James's Hospital enabled by GS1 Standards

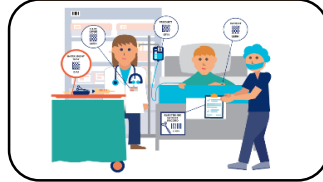
Track and Trace in the Hospital
Real time visibility of what happened
Right product, right place, right person



.....Linked to the right procedure, Real-time, accurate data from the point of care!

On-going Projects

Instrument T&T



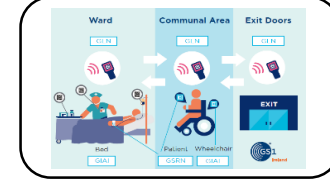
Scan4Surgery



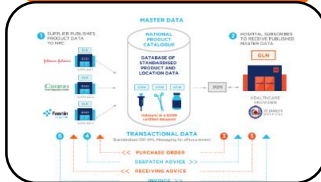
Haemophilia T&T



Automatic tracking (RFID)



eProcurement



SJH Healthcare Campus



Others...

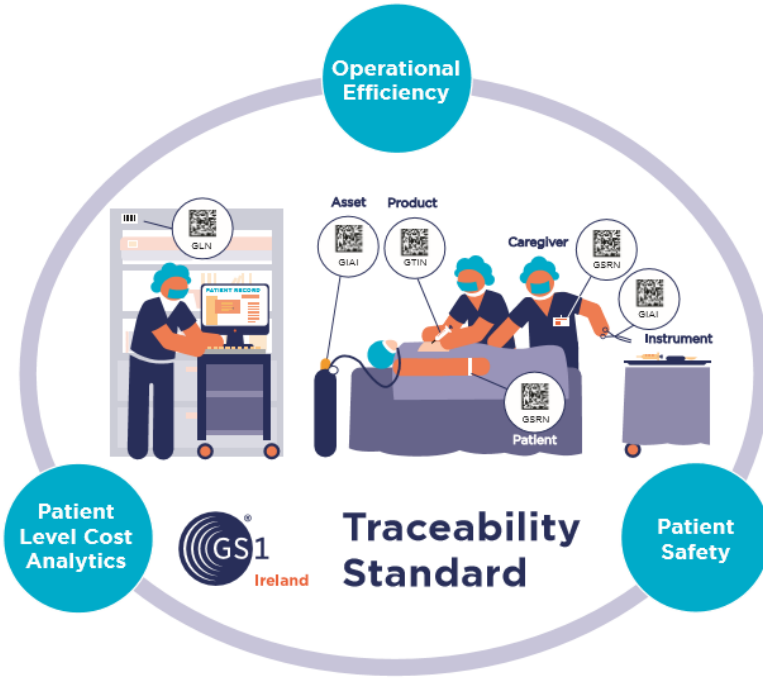


...implementing GS1 standards across the hospital campus
Supported by Regulation for medical devices and pharma



Scan For Surgery

Scan for Surgery



Operational Efficiency

- Automation of product supply chain processes for nursing
- Make additional time available for patient centric activities
- Managed minimum inventory levels

Patient Safety

- Product Traceability to individual patients
- Product Expiry Identification

Patient Level Cost Analytics

- Increased visibility of real-time patient and procedure level costs
- Improved data analytics for decision making

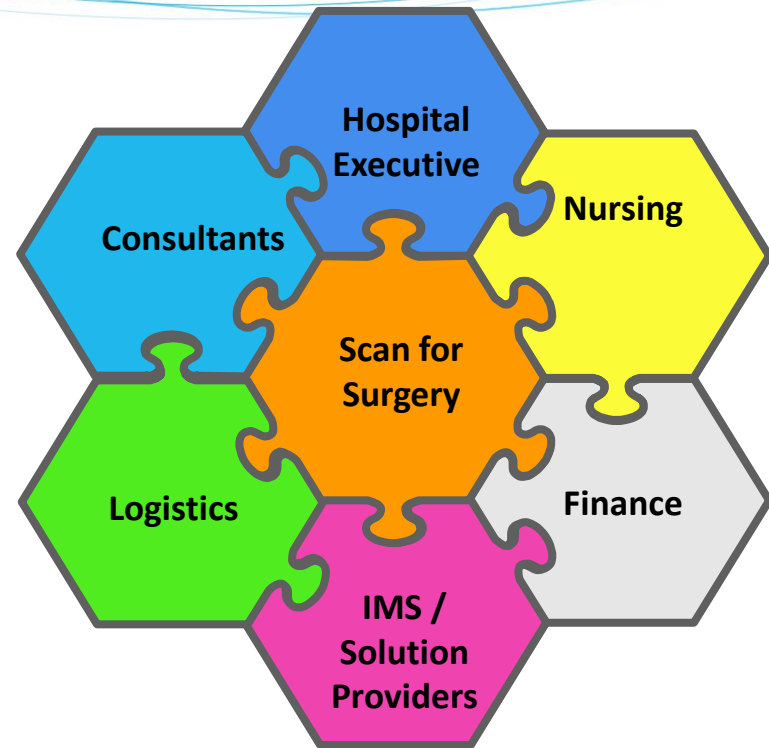


Key Enablers

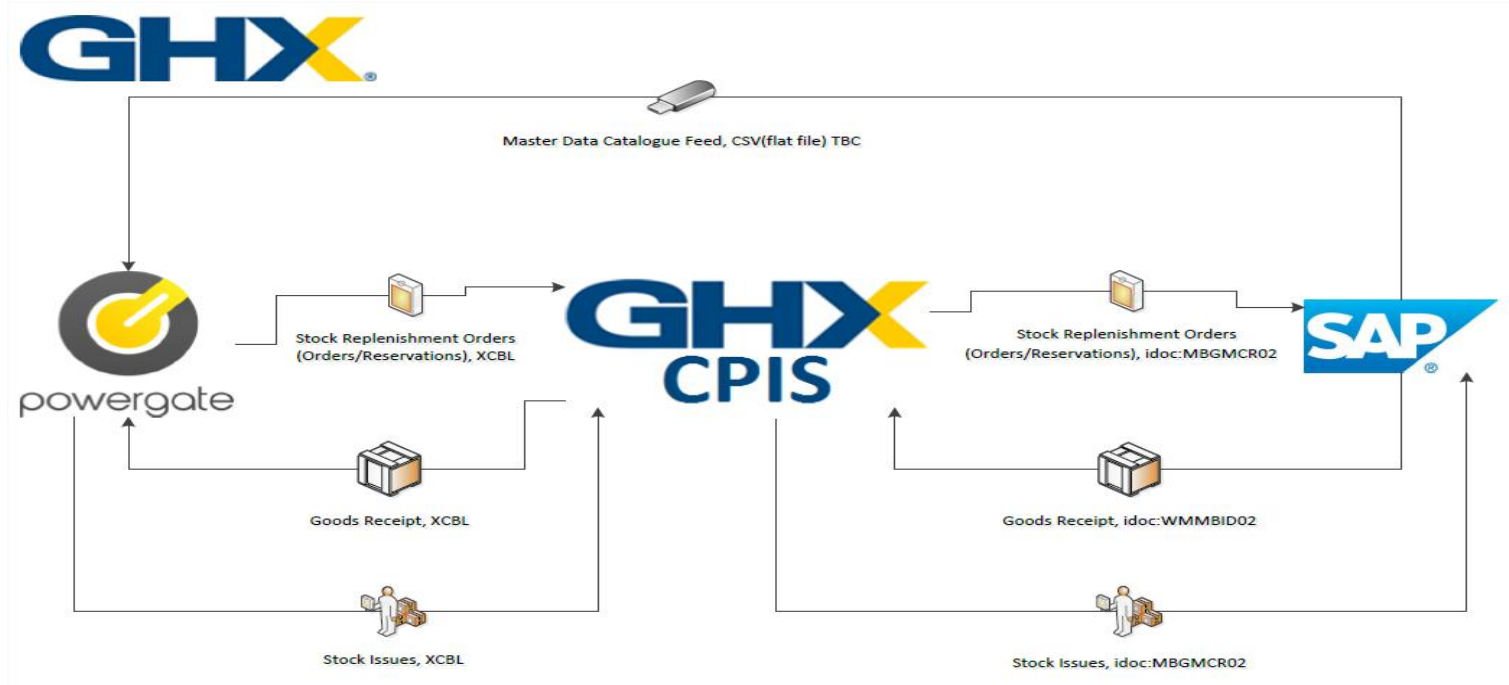
- Multi-Disciplinary
- Continuous Engagement
- Communication
- Coordinated Effort and Feedback
- **Robust Integration**
- **Master Data, Master Data, Master Data!**

Project Success Factors

- Measurable reduction in Nurse time spent on inventory processes
- Measurable Reduction in time to trace recalled products
- Clear reporting of procedure level costs -vs- funding to ensure adequate hospital funding
- **Measurable improvement in reduction of expired product / product aging**
- **Measureable reduction in inventory volume**



Robust Data Integration





Operational Efficiency

Before

- 20 hours per week to check and reorder stock (and other stock activities)
- Over-qualified role doing non-value added activities
- ? Time for patient care



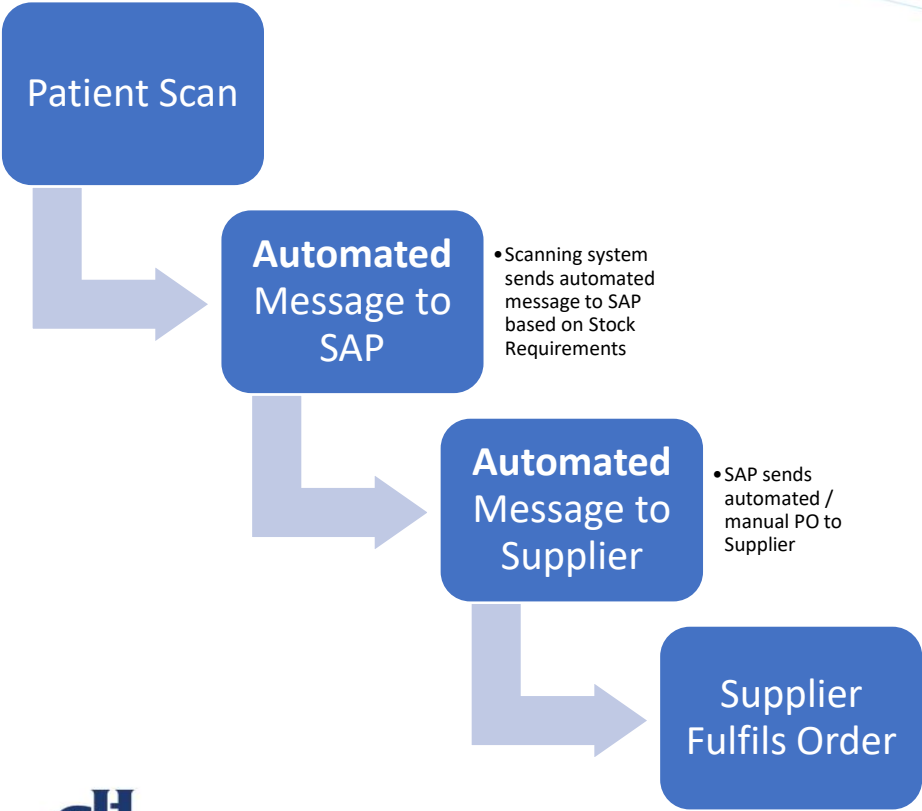
Mary O'Brien
Assistant Director of Nursing

After

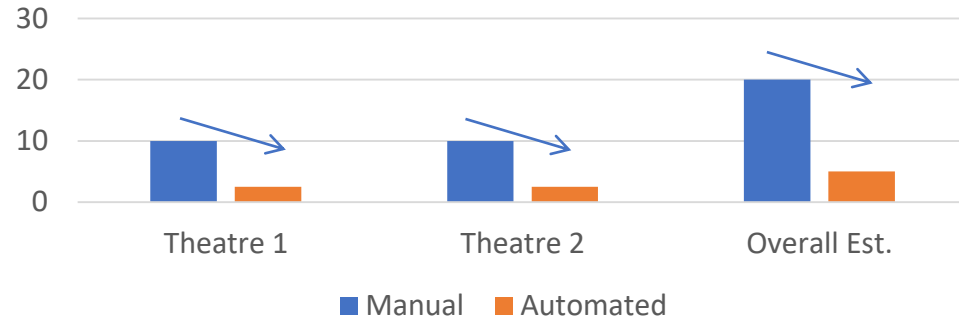
- 2 hours per week on supply chain activities
- More time for patient care !!



Operational Efficiency

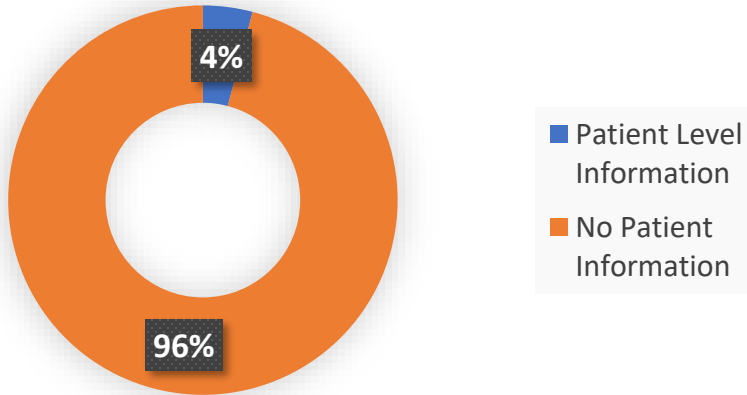


Nursing Time Taken to Order T1/2 (Hours)

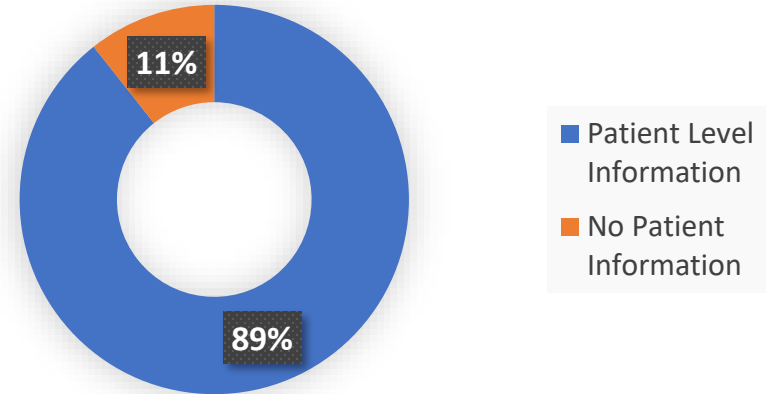


Cost Analytics

Patient Information 2015



Patient Information Scan for Surgery 2017

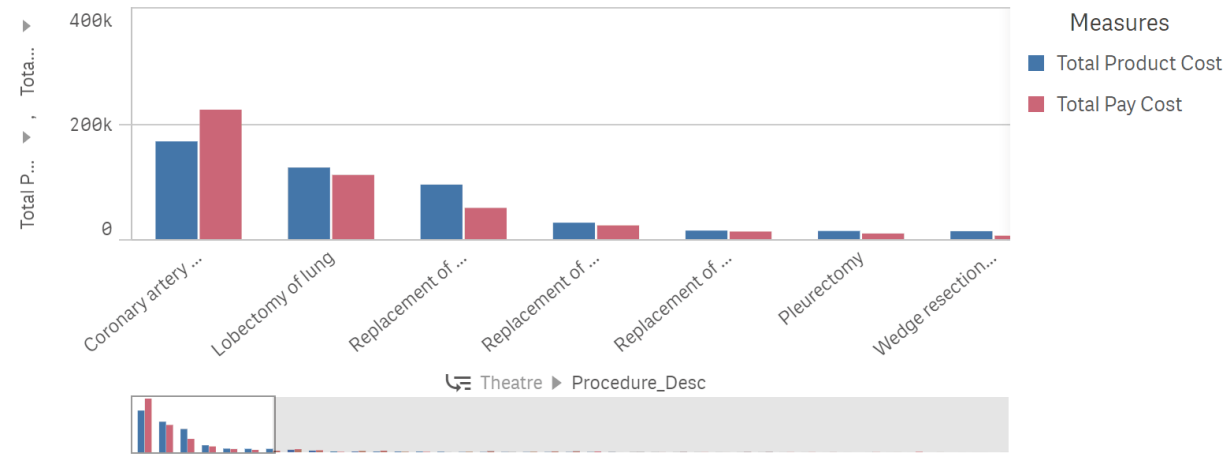


Cost Analytics



- Powergate_...
- Coding Sequence**
- Item Code
- Manufacturer
- MRN

Theatre Cost Analysis

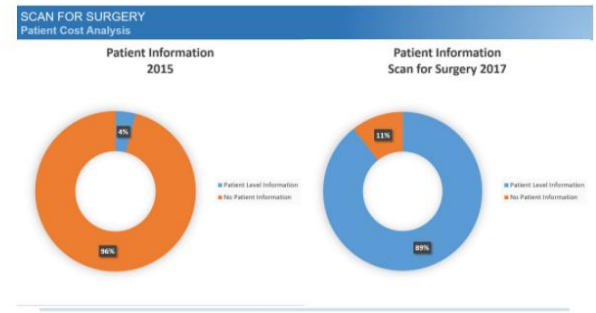


Complexity
4.34

Patient Activity
122

Average LOS
10.83

Median LOS
8



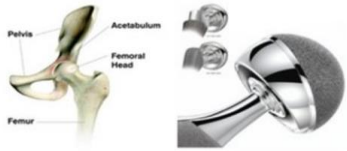
Patient Safety



DEVICE RECALL

RTÉ

3,516 Irish had recalled hip device fitted



CNN

Hacking risk leads to recall of 500,000 pacemakers due to patient death fears

FDA overseeing crucial firmware update in US to patch security holes and prevent hijacking of pacemakers implanted in half a million people



THE IRISH TIMES

'I trusted that I would be fitted with a safe implant. That's not what I got'

© Sat, Jan 28, 2012, 00:00

- Up to 1,500 women in Ireland have breast implants made by the French firm PIP. Three of them tell **PETER McGUIRE** of the worry, frustration and embarrassment they have experienced since problems with the implants were exposed
-
-



PATIENT IDENTIFICATION PROCESS

Traditional



Scan for Surgery



Qlik® Sense

ST. JAMES'S
HOSPITAL



Traceability

Powergate_Flag



Product Listing

Item Code	Item Description	Quantity
BWK01267	GOWN;THEATRE;SURGEONS;L4;(L);80-003-01	924
BWK01268	GOWN;THEATRE;SURGEONS;L4;(XL);80-004-01	849
BQU0657P	GLOVE;SURG;LATEX STERILE PF 7.5 REG BIO	709
FVQ1128P	SUTURE;PROLENE;1.5FGX900MM;25MM;...	688
FFL0145P	CLIP;LIGATION;HEMOCLIP WECK;121504	606
FVQ0439P	SUTURE;ETHILON;3.5GX1M;40MM;W737	598
ELW0163P	DRESSING;OPSITE;VISIBLE DRAIN;10CMX9CM	555
BQU0656P	GLOVE;SURG;LATEX STERILE PF 7 REG BIO	550
FVQ3312P	SUTURE;VICRYL +;5GX70CM;VCP9378H	495
FVQ0102P	SUTURE;VICRYL +;2GX70CM;VCP320H	491
FFL0539P	CLIP;LIGATION;HEMOCLIP 523835	464

Patient List

Patie...	Theatre	PowerG...	Consul...	Item Code	Quantity
1064970	Theatre 1 & 2	21/09/2017	021-RYAR	FVQ0675P	65
1321557	Theatre 1 & 2	14/06/2017	021-TOLA	FVQ1109P	27
1411641	Theatre 1 & 2	18/08/2017	021-EARS	ELS0117P	22
1415401	Theatre 1 & 2	25/07/2017	021-YOUG	FVQ1128P	22
1411641	Theatre 1 & 2	18/08/2017	021-EARS	ELW0052P	21
916177	Theatre 1 & 2	26/09/2017	021-YOUG	FVQ1128P	18
1399017	Theatre 1 & 2	19/04/2017	021-TOLA	FVQ1162P	18
1401463	Theatre 1 & 2	03/05/2017	021-TOLA	FVQ1128P	18
1411641	Theatre 1 & 2	18/08/2017	021-EARS	FVQ1126P	18
1413905	Theatre 1 & 2	24/07/2017	021-EARS	FVQ1126P	18
277320	Theatre 1 & 2	29/09/2017	021-EARS	FVQ1126P	14
321899	Theatre 1 & 2	13/09/2017	021-TOLA	FVQ1128P	14
1390429	Theatre 1 & 2	18/09/2017	021-YOUG	FVQ1128P	14



Current Challenges

Current Problems: Data Sharing from Suppliers



- No single repository for product data at unit of use level
- Single product -v- Pack of 20
- Manual GTIN Capture Process Carried Out
- Dedicated resources required to deliver
- Need to receive data direct from suppliers

Retail -Vs - Healthcare

1984

MINUTES OF THE THIRD ANNUAL GENERAL MEETING OF THE ARTICLE NUMBER ASSOCIATION OF IRELAND HELD AT THE BURLINGTON HOTEL, DUBLIN 2, AT 11.00 A.M. ON MONDAY, 6 MARCH 1984.

* Mr. Andrews recommended that to be truly efficient

- . Products would need to be 100% bar-coded and all bar-codes correctly applied.
- . Manufacturers must put the bar-code in the correct place.
- . Suppliers must notify traders of the bar-codes on their products and changes where they take place. To date this has been the greatest single problem and causes endless waste of time.

Mr. Andrews reiterated that with the experience so far gained he is more than ever convinced that the scanning system is a good investment and will be developed further in the years ahead on areas such as back-door scanning on outer cases and on trading communications. He offered to share the benefits of his experience with other traders and suppliers to the trade.

Today



How can Suppliers help?



1. Barcode on case
2. Barcode on inner
3. Sharing Product Data



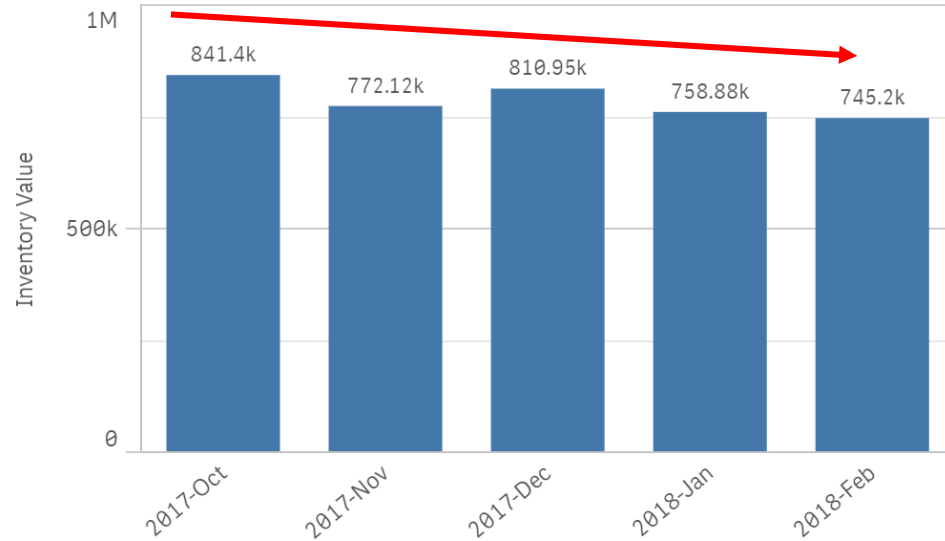
WIFM (Hospital & Supplier):

- Reduced Inventory Holding Costs
- Meaningful Consumption Data
- Product Research & Development Data
- Improved Healthcare Cost Analytics
- Better Product Traceability
- More Time for Patient Care

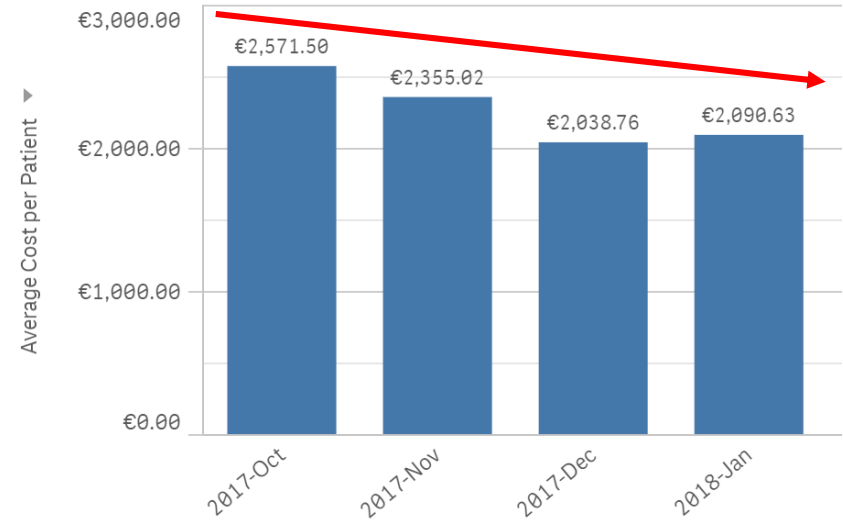
Cost Benefit



Inventory Balance



Average Patient Cost



*Data taken from Theatre 1&2 post go-live



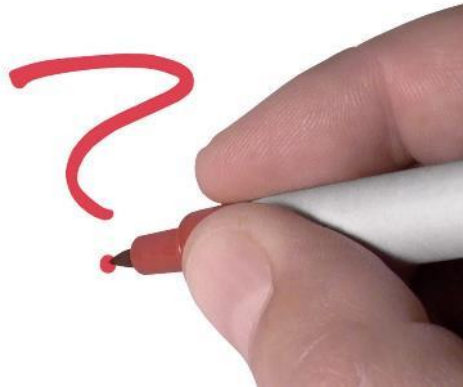
Next Steps

- Refining and sustaining the operational model
- Rolling out solution to other high cost areas
- Improve data sharing across entire supply chain
- Sharing product information with Medical Record



Questions?

HPAC Questions and contact details



Els van der Wilden
Director Healthcare Providers
GS1

Tel +31615545868
eMail els.vanderwilden@gs1.org

www.gs1.org

