



SCAN FOR SURGERY



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Agenda

- St James's Hospital
- Scan for Surgery Overview
- Key Enablers
- Success Factors
- Power of Data



St James's Hospital

Health Campus

Where are we



Key Data

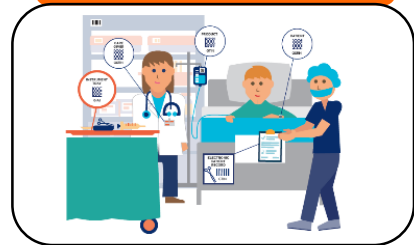
- 60 Acre Campus
- €440m
- 1,000 beds
- 25,000 IP Discharges
- 48,000 Day Cases
- 280,000 OPD





Key Projects in St James's Hospital

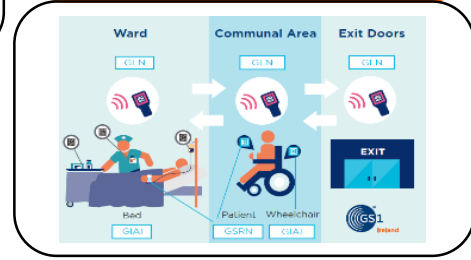
Instrument T&T



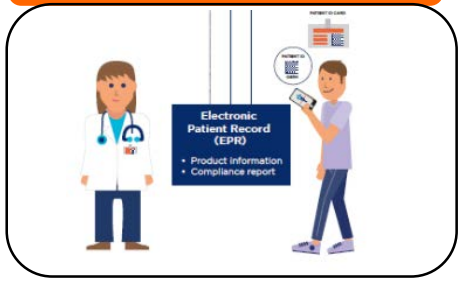
Scan4Surgery



Automatic tracking (RFID)

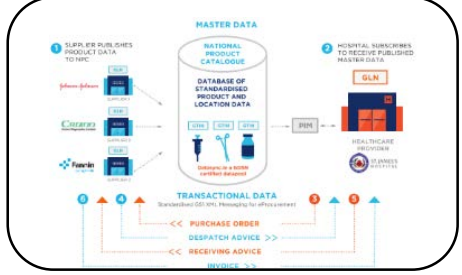


Haemophilia T&T



SJH Healthcare Campus

eProcurement



Others...



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



Scan for Surgery Overview

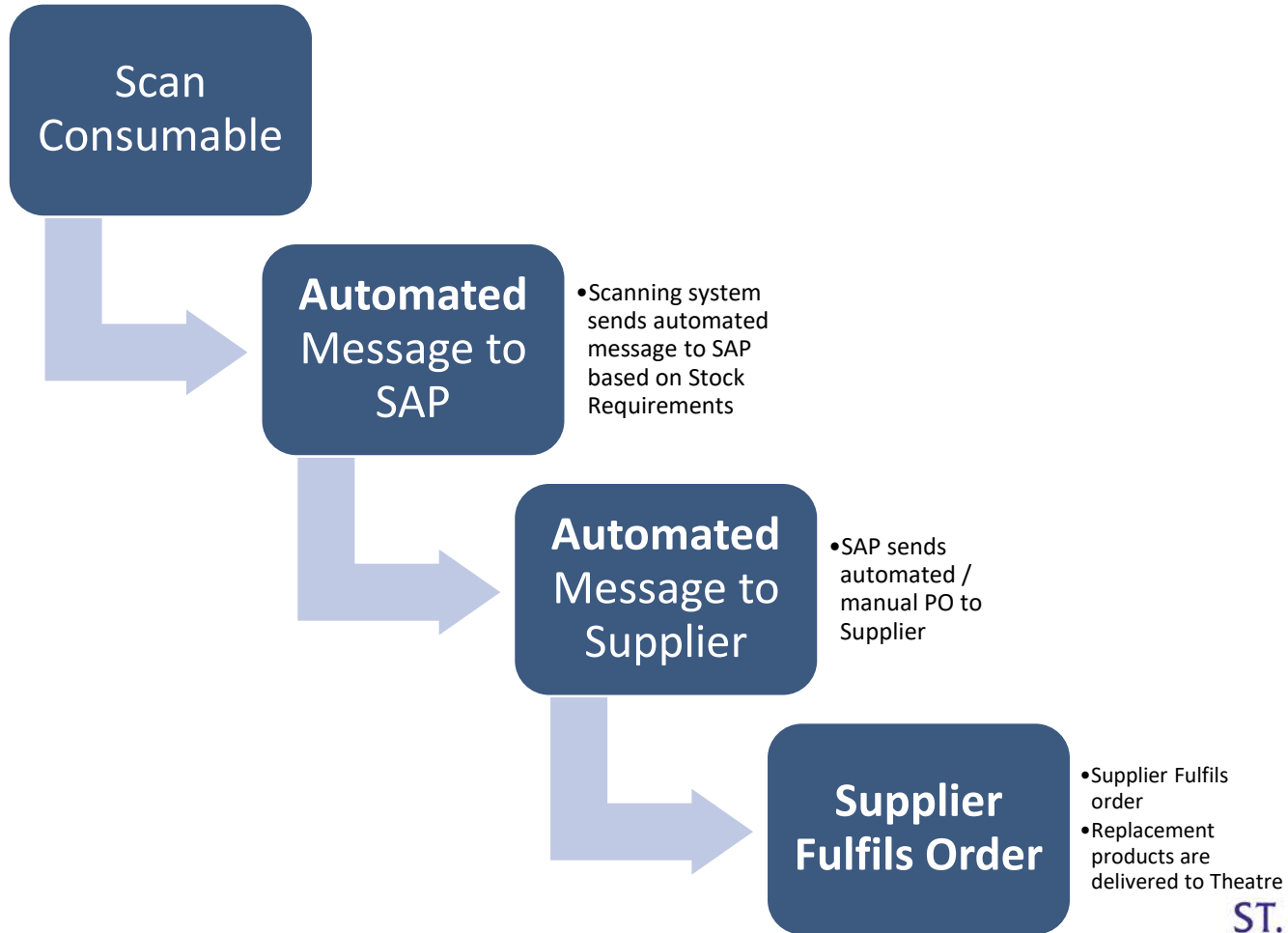


Use GS1 Barcode Standards

Modern Track and Trace Technology

Deliver Multiple Benefits

Scan for Surgery Overview





Key Enablers

- Multi-Disciplinary
- Governance
- Communication
- Master Data (GTIN)
- **Coordinated Effort and hard work**





Success Factors

- Measurable Reduction in time to **trace recalled products**
- Measurable **reduction in Nurse time spent on inventory** processes
- 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





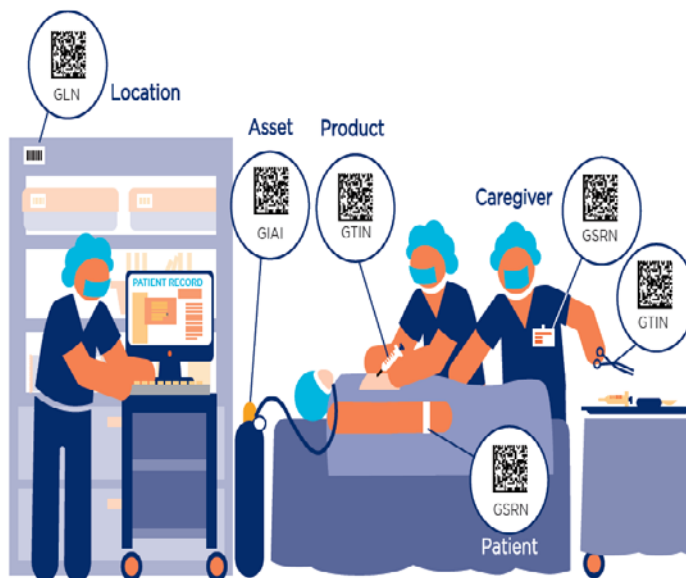
Success Factors

Patient Level Cost Analytics

- Increased visibility of patient costs
- Improved data analytics for decision making

Operational Efficiency

- Automation of supply chain processes for nursing
- Make additional time available to spend with patients
- Managed minimum inventory levels



Patient Safety

- Product Traceability to individual patients
- Product Expiry Identification

Patient Safety

DEVICE RECALL

RTÉ

3,516 Irish had recalled hip device fitted



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
-

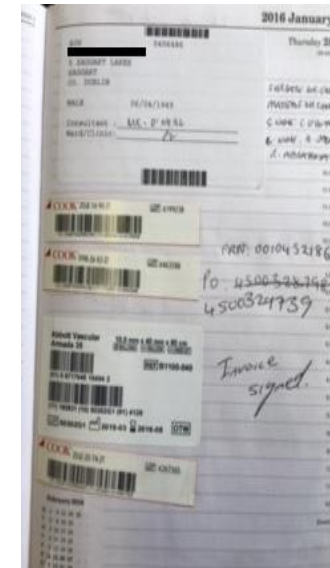


Hacking risk leads to recall of 500,000 pacemakers due to patient death fears

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



PATIENT IDENTIFICATION PROCESS



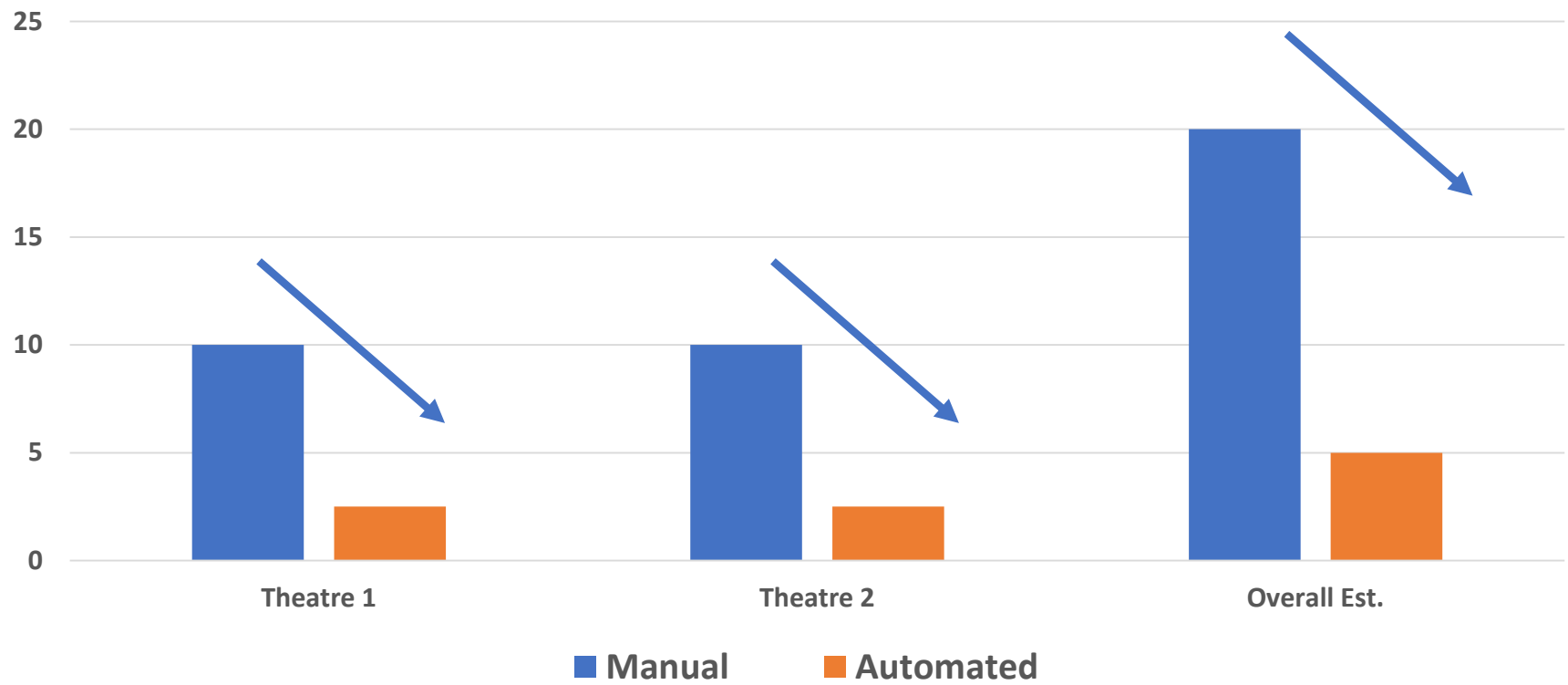
ST. JAMES'S HOSPITAL



Operational Efficiency



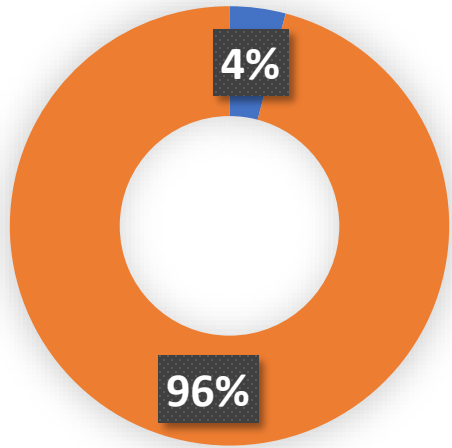
Nursing Time Taken to Order T1/2 (Hours)





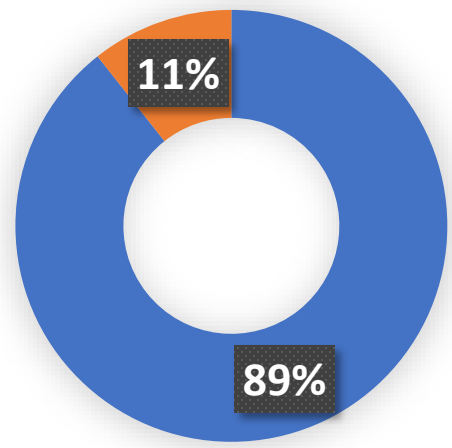
Patient Cost Analysis

Patient Information 2015



- Patient Level Information
- No Patient Information

Patient Information Scan for Surgery 2017



- Patient Level Information
- No Patient Information



Power of Analytics



Qlik® Sense

Power of Analytics



Qlik Sense Desktop

Qlik Sense Desktop hub ABF_T...

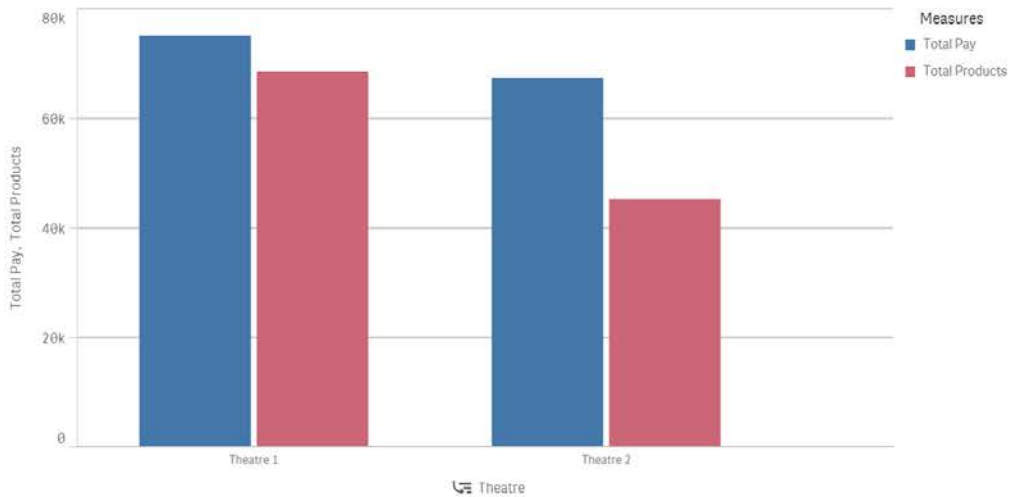
Save ABF_Theatre Report

THEATRE COST REPORT

No selections applied

THEATRE COST REPORT

TOTAL COST



Procedures Completed

81

PRODUCT COST

Item Code	Q	Item Description	Q	Item Price (€)	Q	Qty	Q	Total Product Cost
Totals								36719.62
BQU0653P		GLOVE;SURG;LATEX STERILE PF 5.5 REG BIO		1.66		1		1.66
BQU0654P		GLOVE;SURG;LATEX STERILE PF 6 REG BIO		1.66		1		1.66
BQU0654P		GLOVE;SURG;LATEX STERILE PF 6 REG BIO		1.66		2		3.32
BQU0654P		GLOVE;SURG;LATEX STERILE PF 6 REG BIO		1.66		3		4.98
BQU0655P		GLOVE;SURG;LATEX STERILE PF 6.5 REG BIO		1.66		1		1.66
BQU0655P		GLOVE;SURG;LATEX STERILE PF 6.5 REG BIO		1.66		2		3.32

PAYROLL COST

Staff Type	Q	Procedure Time (Mins)	Q	Cost per Minute	Q	Pay Cost
Totals						126444.27
ADVANCED NURSE PRACTITIONER		254		0.53		134.62
ADVANCED NURSE PRACTITIONER		286		0.53		151.58
ADVANCED NURSE PRACTITIONER		306		0.53		162.18
ADVANCED NURSE PRACTITIONER		333		0.53		176.49
ADVANCED NURSE PRACTITIONER		347		0.53		183.91
ADVANCED NURSE PRACTITIONER		387		0.53		205.11

Power of Analytics



Qlik Sense Desktop

Qlik Sense Desktop hub ABF_T...

Save ABF_Theatre Report

PRODUCT TRACEABILITY

No selections applied

Quantity Used
2.77k

PRODUCT LISTING

Item Code	Item Description	Serial	GTIN	Quantity
Totals				2774
BQU0653P	GLOVE;SURG;LATEX STERILE PF 5.5 REG BIO	-	-	4
BQU0654P	GLOVE;SURG;LATEX STERILE PF 6 REG BIO	-	-	11
BQU0655P	GLOVE;SURG;LATEX STERILE PF 6.5 REG BIO	-	-	33
BQU0656P	GLOVE;SURG;LATEX STERILE PF 7 REG BIO	-	-	28
BQU0657P	GLOVE;SURG;LATEX STERILE PF 7.5 REG BIO	-	-	31
BWK01267	GOWN;THEATRE;SURGEONS;L4;(L);80-003-01	-	-	60
BWK01268	GOWN;THEATRE;SURGEONS;L4;(XL);80-004-01	-	-	47
BWK01269	GOWN;THEATRE;SURGEONS;L4;(XXL);80-005-01	-	-	3
ELJ0032P	DRESSING;CICAPLAI;N/W ADH;150X100MM	-	-	1
EIR0119P	SKIN CLOSURE;STRIP;12MMX100MM;R1547.	-	-	1
ELS0117P	OXIDIZED CELLULOSE BP;SURGICEL 10CMX20CM	-	-	19
ELS00164P	ABSORB HAEMOSTAT;HAEMOCER PLUS;HFP203	-	-	3
ELW0052P	DRESSING;OPSITE;POST-OP;65MMX50MM	-	-	12
ELW0315P	DRESSING;OPSITE;45X28CM;4988 (DRAPE)	-	-	3
ELW0317P	DRESSING;OPSITE;40X42CM;4995 (DRAPE)	-	-	9
ELW0319P	DRESSING;OPSITE;45X55CM;4989 (DRAPE)	-	-	8

PATIENT LIST

MRN	Theatre	OPDATE	Item Code	Consultant Code	Quantity
Totals					2774
123774	Theatre 1	14/02/2017	BWK01268	KANA	1
123774	Theatre 1	14/02/2017	ELW0317P	KANA	1
123774	Theatre 1	14/02/2017	FDJ0162	KANA	1
123774	Theatre 1	14/02/2017	FFL0145P	KANA	2
123774	Theatre 1	14/02/2017	FFL0539P	KANA	2
123774	Theatre 1	14/02/2017	FFL0639P	KANA	1
123774	Theatre 1	14/02/2017	FGP1446P	KANA	1
123774	Theatre 1	14/02/2017	FQK2259P	KANA	1
123774	Theatre 1	14/02/2017	FVQ0082P	KANA	2
123774	Theatre 1	14/02/2017	FVQ0121P	KANA	1
123774	Theatre 1	14/02/2017	FVQ0439P	KANA	2
123774	Theatre 1	14/02/2017	FVQ0659P	KANA	1
123774	Theatre 1	14/02/2017	FVQ1073P	KANA	3
123774	Theatre 1	14/02/2017	FVQ1091P	KANA	1
123774	Theatre 1	14/02/2017	FVQ1128P	KANA	2
123774	Theatre 1	14/02/2017	FVQ1162P	KANA	1