



GS1 Healthcare Provider Advisory Council Webinar

9 October 2014

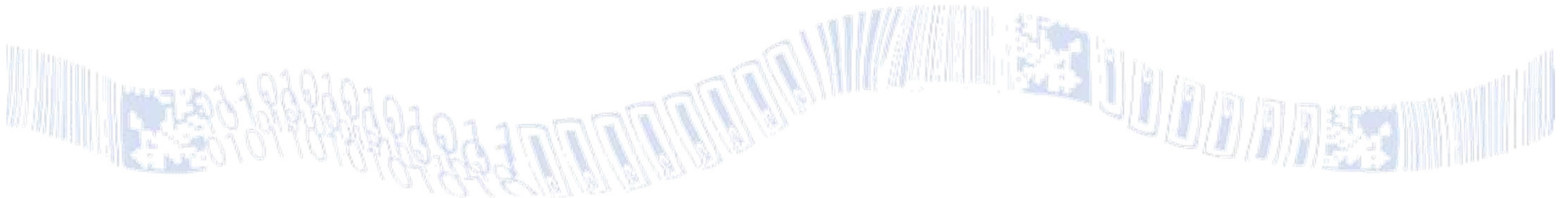




HPAC Case Study Webinars

This is the 8th Webinar

- Innovative National Traceability in Healthcare using GS1 Standards
- Andrew Smith, Central Decontamination Unit Manager at St.James's Hospital, Dublin, Ireland
- Webinar will be available here:
http://www.gs1.org/healthcare/hpac_webinars





CASE STUDY: **'Innovative National Traceability in Healthcare using GS1 Standards'**



St James's Hospital – HSSU - Andrew Smith
11th October 2014

Overview of Instrument Set Traceability

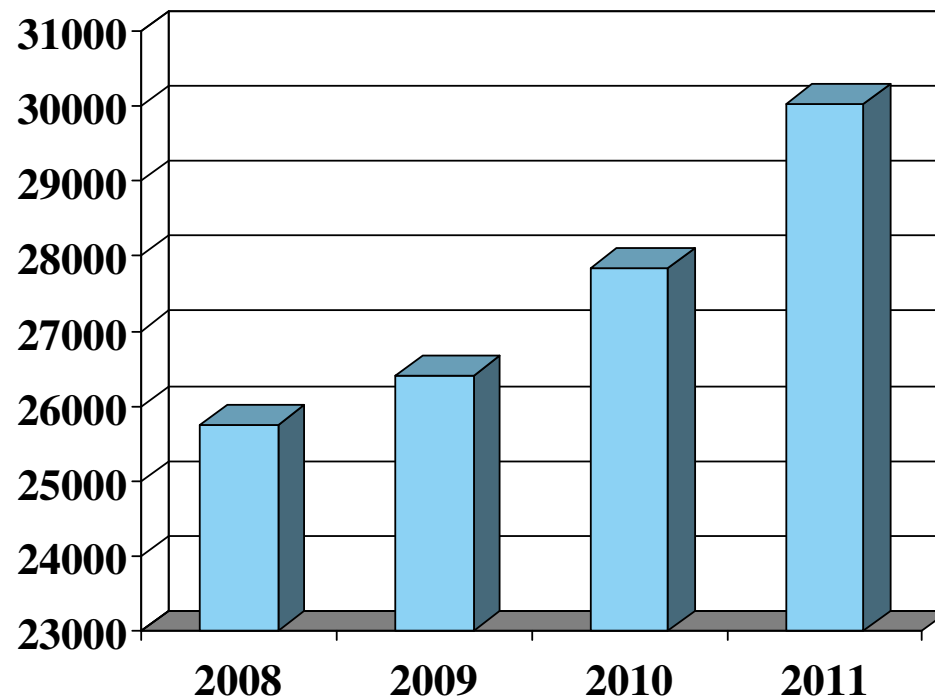


“Systems should be in place to record the decontamination process used on RIMD (tracking) and link them with service users on which they have been used (tracing)”

HSE Recommended Practices for Central Decontamination Units. Version 2.0, 2011

Project started in May 2008 – 1st “Go Live” site was St. James’s Hospital in July 2011

Innovative National Traceability in Healthcare using GS1 Standards



**17% Increase in
workload with
less staff**

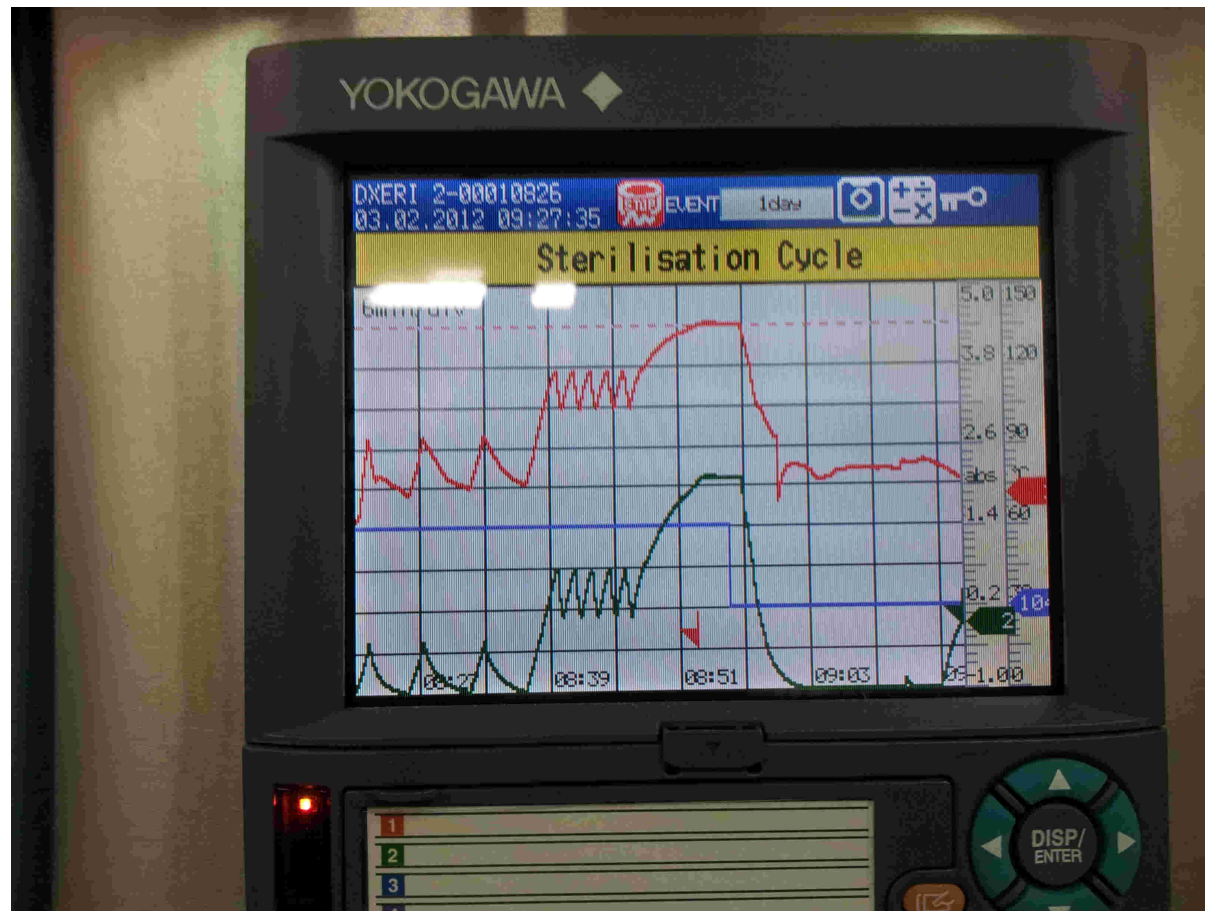
■ Total

Tracking Stations



New Equipment

Dataloggers



Linked to Tracking system

Tracking Instruments - Before



Manual Check



THE GLOBAL LANGUAGE
OF BUSINESS

© GS1 IRELAND 2014

Tracking Instruments - After



Washer Contents						
Barcode	User Code	Description	Quantity	Date In	Time In	Loaded By
▼ Washer : 1						
6000010	N/A	CONTAINERS		1 11/04/2012	14:00:57	AGNES
▼ Washer : 3						
100418500009	500	RHINO & SMR SET (PLASTICS)-02		1 11/04/2012	14:19:54	PAUL R
100377400043	59	CABG SET-05		1 11/04/2012	14:19:36	PAUL R
100293700031	3262	BARRE INSTRUMENTS SET		1 11/04/2012	14:17:01	PAUL R
100387500031	3322	BOOKWALTER RETRACTOR SET 2-02		1 11/04/2012	14:17:01	PAUL R
100302000011	3525	FINE STILLE OSTEOTOMES (TH 384)		1 11/04/2012	14:16:58	PAUL R
100368000029	3099	GYNAE ONCOLOGY SET-05		1 11/04/2012	14:16:52	PAUL R
100287700046	517	ABDOMINAL HYSTERECTOMY SET-01		1 11/04/2012	14:16:48	PAUL R
100322800049	3520	OPEN UROLOGY SET		1 11/04/2012	14:16:45	PAUL R

Information available:

- **Electronically & Post -event**

Instrument Set Lists - Before



Paper based



THE GLOBAL LANGUAGE
OF BUSINESS

© GS1 IRELAND 2014

Instrument Set Lists - Before



Hard to find the right file and right version

Instrument Set Lists - After



Electronic, file printed when Tray is scanned
No need to search and certainty of document version

Process Log - Before



St. James's Hospital					R190
DATE	NAME OF SET	THEATRE	LIST OF INSTRUMENTS	SIGNATURE	
2/6/11	Radial Set no (P35)	T		Delantona	
	BASIC VAS 437	T		Rumsey	
	MINOR ORTHO 115	T		Althaus	
	Cardiac Set 46	T		Eileen Healy	
	Micro Air Dull Reamer 2963	T		John	
	Medom Hyster 520	T		Delantona	
	BASIC VAS 438	T		Rumsey	
	MINOR ABDOM 282	T		Rumsey	
	Basic Hip 3332	T		Eileen Healy	
	Sternum Saw 3238	T		Eileen Healy	
	UNGRADED TIBIAL NAIL 172	T		Althaus	
	INTESTINAL 321	T		Althaus	
	THORACOSCOPY 613	T		Rumsey	
	Basic Plastic 357	T		E Healy	
	GENERAL PLASTIC 394	T		Althaus	
	GENERAL PLASTIC 392	T		Althaus	
	MAJOR ABDOMINAL 306	T		John	
	Basic Plastic 354	T		Eileen Healy	
	MEIANASCOPY 2316	T		Rumsey	
	VEINS SET 479	T		Althaus	
	Aming Device / Radiolucent	T		John	
	Basic PLASTIC 3145	T		Rumsey	
	CABG 724	T		Althaus	
	Basic Plastic 349	T		E Healy	
	THORASCOPY 2315	T		Althaus	
	MAT ABDOM 304	T		Rumsey	
	MICRO NERVE 3769	T		Althaus	
	Micro Air Dull 2963	T (4)		John	
	COMPACT AIR DOWE 2871	T		Althaus	

Paper based



THE GLOBAL LANGUAGE
OF BUSINESS

© GS1 IRELAND 2014

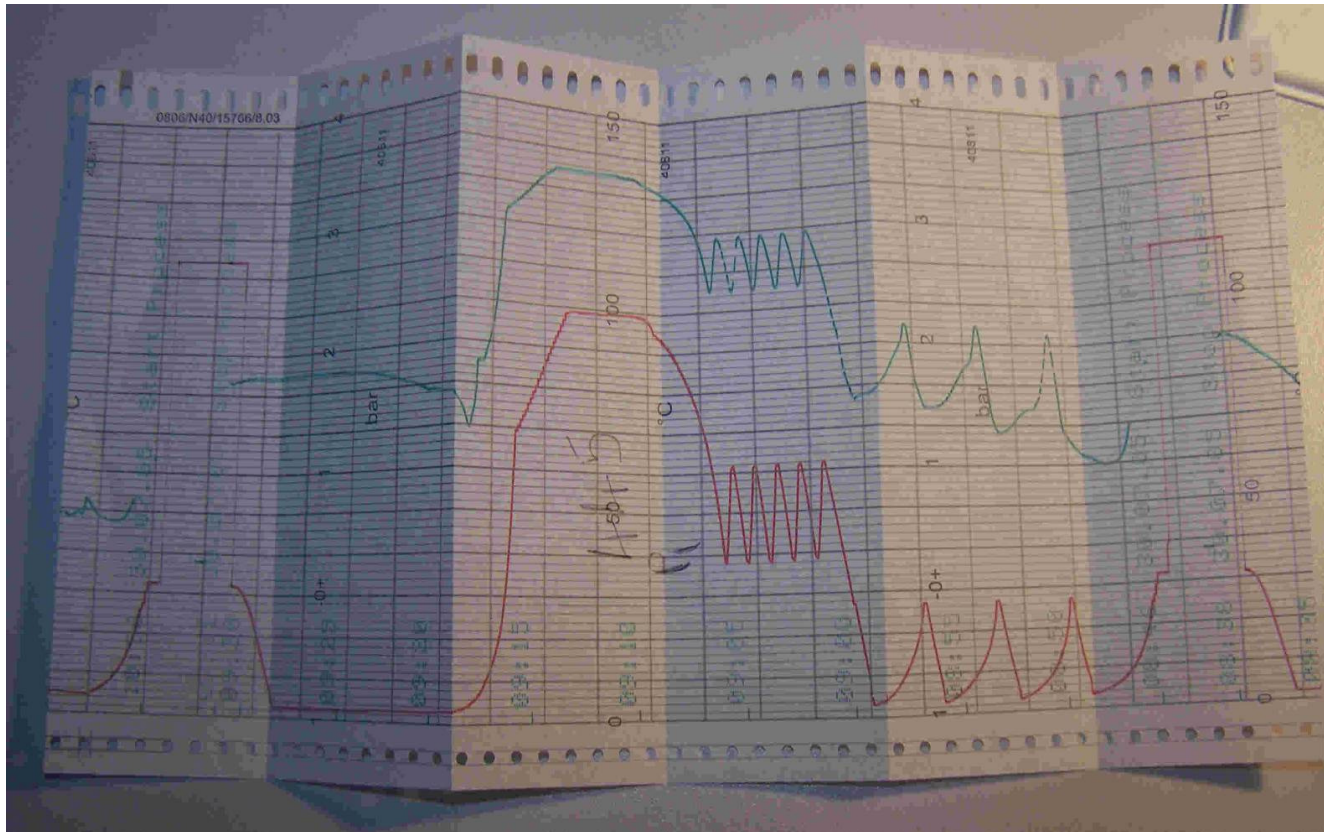
Process Log - After

From : 05/04/2012 To : 05/04/2012					ST JAMES'S HOSPITAL DUBLIN
01:Packing Detail					
Unknown Type					
Barcode	UserCode	Operator	Date In	Time In	Description
100398700044	531	EILEEN H	05/04/2012	08:13:31	GYNAE LAPAROSCOPY SET-01
100458400011	2772	LINDA R	05/04/2012	08:54:05	30° LENS 4MM WOLF 433424 DSC
100457900012	2130	LINDA R	05/04/2012	09:01:13	0° LENS 4MM WOLF 427581 DSC
100458500018	2781	LINDA R	05/04/2012	09:05:31	30° LENS 4MM WOLF 433413 DSC
100460500024	4030	LINDA R	05/04/2012	09:08:52	HYSTEROSCOPE & SHEATH 5000193167 DSC
100303600088	2609	EILEEN H	05/04/2012	10:41:07	GENERAL LAPAROSCOPY SET NEW-01
100455100026	3768	LINDA R	05/04/2012	10:44:50	0° LENS 10MM WOLF 5000171714 DSC
100375400073	2938	PAUL R	05/04/2012	11:42:50	GENERAL LAPAROSCOPY SET NEW-06
100452500029	3195	ANTHONY C	05/04/2012	12:11:05	0° LENS 5.3MM WOLF 468796
100454900009	3177	LINDA R	05/04/2012	14:15:57	30° LENS 10MM WOLF 436023 DSC
100475700020	6024	LINDA R	05/04/2012	14:16:29	0° LENS 5MM STORZ 1127861 DSC
100375200071	2936	DOROTA S	05/04/2012	14:31:34	GENERAL LAPAROSCOPY SET NEW-04
100321000006	2393	JOSEPHINE D	05/04/2012	17:12:41	NEPHROSCOPE
100453000042	3194	DEIRDRE C	05/04/2012	17:29:14	30° LENS 10MM WOLF 457074
100452400009	3304	DEIRDRE C	05/04/2012	17:33:15	0° LENS 5MM STORZ 930600
100416900029	3889	JOSEPHINE D	05/04/2012	17:36:06	URETEROSCOPE STRAIGHT TH 10 & 11-04
100453200048	3677	DEIRDRE C	05/04/2012	17:38:59	30° LENS 10MM WOLF 5000145118
100328200015	879	JOSEPHINE D	05/04/2012	17:42:33	WOLF LITHOCLAST FULL SET
100465500034	6000	DEIRDRE C	05/04/2012	17:44:08	30° LENS 4MM ACMI 739453
100453100047	3676	DEIRDRE C	05/04/2012	17:48:29	30° LENS 10MM WOLF 5000145117

Number Of Items : 20

Electronic & Legible
Post-event – Can be retrieved at the touch of a button

Steriliser Cycle Record - Before



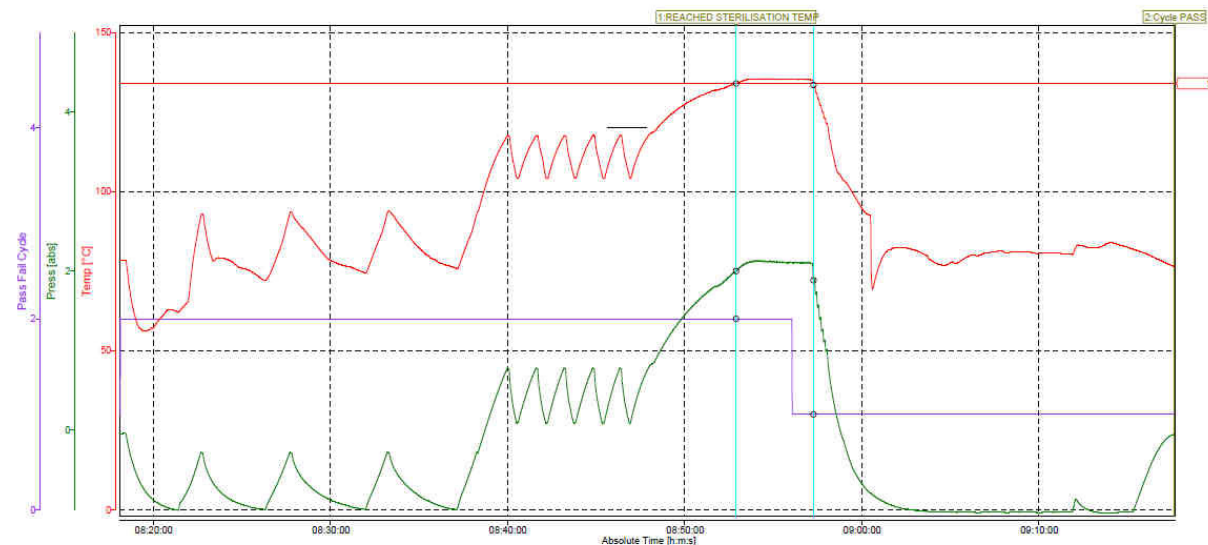
Paper based
Subject to deterioration over time

Steriliser Cycle Record - After

File Name : 001755_D\XERI 2-00010825.DAE
 Device Type : DX1000
 Batch No. : DXERI 2
 Lot No. : 00010825
 Printed Group : STERILISER 2
 Printed Range : 2012/02/03 08:18:08.000 - 2012/02/03 09:17:40.000
 Comment : STERILISER CYCLE - PASS

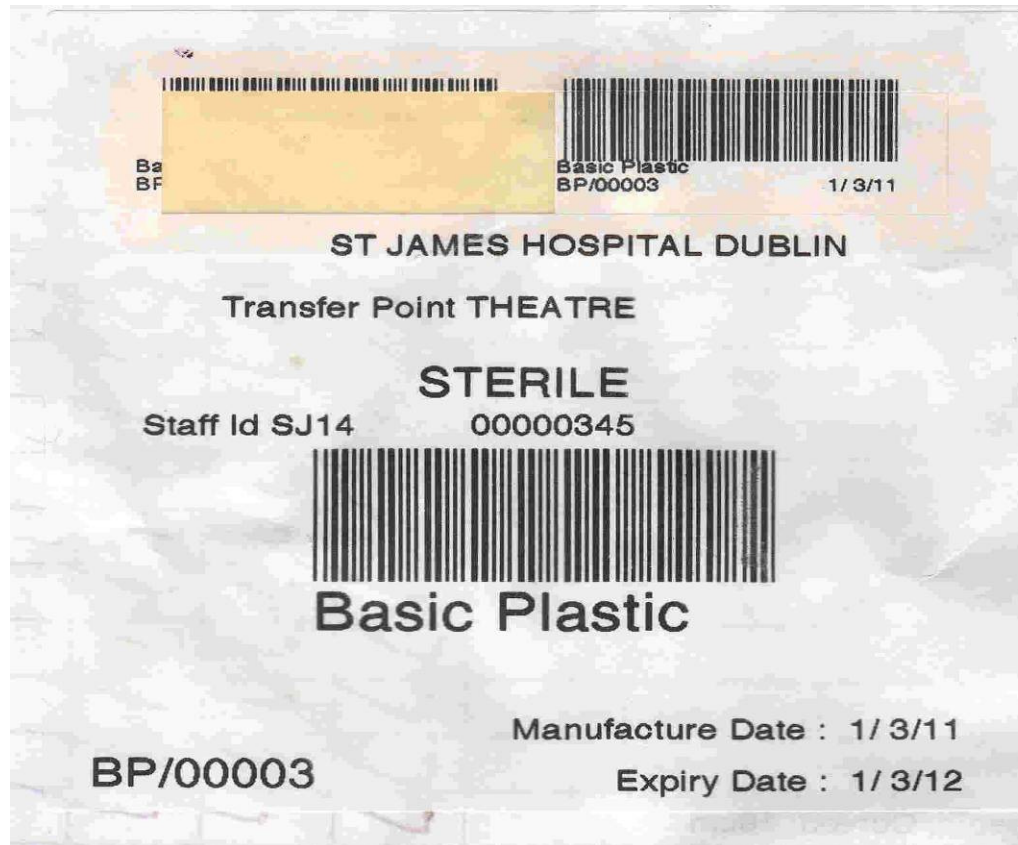
Start Time : 2012/02/03 08:18:08.000
 Stop Time : 2012/02/03 09:17:40.000

	Cursor A	Cursor B	Difference
Data No.	2087	2349	262
Absolute Time	2012/02/03 08:52:56.000	2012/02/03 09:07:17.000	00:04:22.000
Tag No.	Value A	Value B	Value B-A
Temp[°C]	134.0	133.5	-0.5
Press[abs]	2.000	1.885	-0.115
Pass/Fail Cycle[]	2	1	-1



**Electronic
Post-event – Can be retrieved at the touch of a button**

Tracking in Theatres - Before



Paper based

Tracking in Theatres - After

Document List Report

Document Number: T200242		Patient ID: 1087474	Theatre: THEATRE 2
Document Created By %JESSIE S	Date & Time Created 02/02/2012 14:14:23	Amendments	
Code: 1003567 Lot No: 00035 Quantity: 1 Operator: %JESSIE S	Type: TRACKER Item: BASIC CARDIAC SET-04 Supplier: STERILE SERVICES Remarks:		
Code: 1003774 Lot No: 00033 Quantity: 1 Operator: %JESSIE S	Type: TRACKER Item: CABG SET-05 Supplier: STERILE SERVICES Remarks:		
Code: 1004160 Lot No: 00027 Quantity: 1 Operator: %JESSIE S	Type: TRACKER Item: CARDIAC MAMMARY RETRACTOR-03 Supplier: STERILE SERVICES Remarks:		
Code: 1003741 Lot No: 00049 Quantity: 1 Operator: %JESSIE S	Type: TRACKER Item: STERNAL SAW BATTERY POWERED-01 Supplier: STERILE SERVICES Remarks:		
Number Of Items:			4

Electronic

- Post-event – Can be retrieved at the touch of a button
- Linked to instrument tracking system

Document Number: T200243		Patient ID: 1087474	Theatre: THEATRE 2
Document Created By %JENNIFER I	Date & Time Created 02/02/2012 15:29:26	Amendments	
Code: 1002962 Lot No: 00001 Quantity: 1 Operator: %JENNIFER I	Type: TRACKER Item: CHAUX RETRACTOR CARDIAC-01 Supplier: STERILE SERVICES Remarks:		
Number Of Items:			1
Total Items:			5

Loan Sets



The Big Challenge !!

- Shared among hospitals (contents always changing)
- Traceability is very challenging

Loan Set Checklists - Before



H.S.S.U. INSTRUMENT CHECKLIST - OPERATING THEATRE

SET NAME: Pinnacle Set (Tray 1)

Set No.

Check 1	# of items	NAME OF ITEM	Check					
			2	3	4	5		
		Trial Cup Instruments						
1	1	Pinnacle acetabular cup trial 48mm 221701048						Packing & Control
1	1	Pinnacle acetabular cup trial 50mm 221701050						Check 1
1	1	Pinnacle acetabular cup trial 52mm 221701052						Sign:
1	1	Pinnacle acetabular cup trial 54mm 221701054						Date:
1	1	Pinnacle acetabular cup trial 56mm 221701056						
1	1	Pinnacle acetabular cup trial 58mm 221701058						
1	1	Pinnacle acetabular cup trial 60mm 221701060						
1	1	Pinnacle acetabular cup trial 62mm 221701062						Decontaminator
1	1	Pinnacle acetabular cup trial 64mm 221701064						Check 5
1	1	Pinnacle acetabular cup trial 66mm 221701066						Sign
1	1	Pinnacle straight impactor 221750041						
1	1	Quickset ratchet screw driver handle 227402000						Theatre Number
1	1	Quickset ridged tapered hex screw driver 227447000						Date Used
1	1	Green impactor tip 28mm 221750006						Hospital Reg. No
1	1	Blue impactor tip 32mm 221750007						
1	1	Orange impactor tip 36mm 221750008						
1	1	Celamie Suction Cup 221700020						Scrub Nurse Sign:
		Insolter						
1	1	Suction tip for cup 959910000						Check 1
		Insolter						
		Version guide (2 pieces) 221750014						Check 2
		Heads:						Check 3
1		28 Green +1.5						
1		28 Brown +5						Circ. Nurse Sign:
1		28 Blue +8.5						
1		28 Black +12						Check 1
1		32 Green +1						
1		32 Brown +5						Check 2
1		32 Blue +9						
1		32 Black +13						Check 3
1		36 Green +1.5						
1		36 Brown +5						
1		36 Blue +8.5						
1		36 Black +12						
		36 Light Brown -2						

- Paper based
- No certainty that list matched tray contents



Loan Set Checklists - After



LOT		ST JAMES'S HOSPITAL DUBLIN	
00001		ANAESTHETICS	
SET00219		AO COMPACT HAND SET, TH9	
Version 2.6, 001 Printed On: 15/04/2012 13:23:53			
Qty	Description	QTY	Check
0	STANDARD INSTRUMENTS:	0	
1	HANDLE MEDIUM WITH QUICK COUPLING	1	
1	DEPT GAUGE	1	
1	DEPT GAUGE	1	
2	PLIERS FLAT NOSED	2	
1	SCREW HOLDING FORCEPS	1	
1	BENDING CUTTING PLIERS	1	
0	ADDITIONAL INSTRUMENTS:	0	
1	SHARP HOOK	1	
1	REDUCTION FORCEPS WITH POINTS	1	
1	HOLDING FORCEPS WITH SWIVEL FOOT	1	
1	SMALL REDUCTION FORCEPS	1	
1	REDUCTION FORCEPS	1	
1	SMALL BONE LEVER	1	
1	SMALL BONE LEVER	1	
1	PERIOSTEAL ELEVATOR	1	
1	DOUBLE GUIDE IN TRAY	1	
1	DRILL LOCKING SLEEVE	1	
0	COMPACT HAND 1.5 TITANIUM IMPLANTS & INSTRUMENTS:	0	
1	COUNTERSINK	1	
1	DRILL BIT 1.1MM	1	
1	DRILL BIT 1.5MM	1	
1	SCREWDRIVER SHAFT AND HOLDING SLEEVE	1	
1	DOUBLE DRILL GUIDE	1	
1	COMPACT HAND 2.0 LCP TITANIUM IMPLANTS & INSTRUMENTS	1	
0	TOP TRAY:	0	
1	COUNTERSINK	1	
1	DRILL BIT SHORT 1.5MM	1	
1	DRILL BIT LONG 1.5MM	1	
1	DRILL BIT 2.0MM	1	
1	SCREWDRIVER SHAFT STARDRIVE SHORT	1	
0	BOTTOM TRAY:	0	
1	UNIVERSAL DRILL GUIDE	1	
1	SCREWDRIVER SHAFT STARDRIVE & HOLDING SLEEVE	1	
1	LCP DRILL SLEEVE	1	
1	LCP BENDING PIN	1	

Place A Tick In The Box As Required

DO NOT USE IF PACKING DAMAGED
STORE IN A CLEAN, DRY, DUST FREE ENVIRONMENT

Barcode: 10047080001

USER CODE: SE100219
LOT: 00001

PAGE: 1 of 2

- Electronic
- Fully Legible
- Up to date
- List can be pulled from MS1 database just by scanning the tray



Loan Set Tracking in Theatres



Document List Report

Document Number: D100090		Patient ID: 1018678	Theatre: DAY THEATRE 1
Document Created By %LEENA J.P.	Date & Time Created 19/08/2011 11:45:48	Amendments	
Code: 1003849 Lot No: 00004 Quantity: 1 Operator: %LEENA J.P.	Type: TRACKER Item: BASIC PLASTIC SET DSC-14 Supplier: STERILE SERVICES Remarks:		
Code: 1004400 Lot No: 00003 Quantity: 1 Operator: %LEENA J.P.	Type: TRACKER Item: FINE OSTEOTOME SET DSC-02 Supplier: STERILE SERVICES Remarks:		
Code: 1004414 Lot No: 00002 Quantity: 1 Operator: %LEENA J.P.	Type: TRACKER Item: MICRO AIRE SMART DRIVER DSC-02 Supplier: STERILE SERVICES Remarks:		

Number Of Items: 3

Document Number: D100092		Patient ID: 1018678	Theatre: DAY THEATRE 1
Document Created By %ANDREW	Date & Time Created 22/08/2011 11:54:31	Amendments	
Code: 800453930099990027 Lot No: 02793 Quantity: 1 Operator: %ANDREW		Type: MS1 Download Item: AO COMPACT HAND SET, TH9 Supplier: 5393009000009 Remarks:	

Number Of Items: 1

Total Items: 4

Loan Set - Example

Step 1 – Scan GS1 Code on Instrument Set

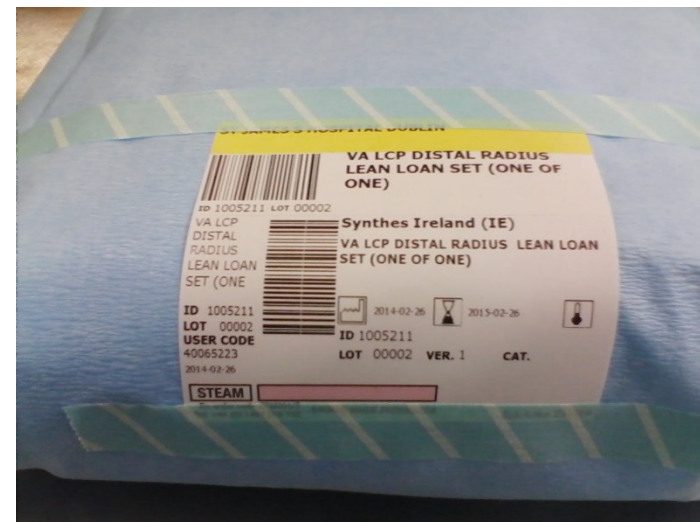
>> this pulls all the information for the loan set, from the cloud and into the tracking system in SJH



Before – HSSU team would have to re-enter and check all the data relating to the loan set

>> *time consuming and error prone*

Step 2 – SJH can proceed with the processing of the set as normal



Example of Reports # 1

From : 02/02/2012					ST JAMES'S HOSPITAL DUBLIN				
To : 02/02/2012									
Washer Report Washer Report Washer Report Washer Report Washer Report Washer Report Washer Report Washer Report Washer Report									
01:Machine Detailed Report									
Machine No. 5									
Code	User Code	Description	Cycle Rack	Qty	LoadedBy Date In	Time In	Unloaded By DateOut	Time Out	
1004160	1943	CARDIAC MAMMARY RETRACTOR-03	9484	1	RAJAN D 02/02/2012	17:15:50	SEAMUS L 02/02/2012	18:35:30	
1002962	80	CHAUX RETRACTOR CARDIAC-01	9484	1	RAJAN D 02/02/2012	17:15:48	SEAMUS L 02/02/2012	18:35:31	
1003611	132	BASIC ORTHOPAEDIC SET-10	9484	1	RAJAN D 02/02/2012	17:20:39	SEAMUS L 02/02/2012	18:35:31	
1004137	3719	SELLORS RETRACTOR, CARDIAC-03	9484	1	RAJAN D 02/02/2012	17:15:44	SEAMUS L 02/02/2012	18:35:31	
1003695	252	THORACOTOMY SET-07	9484	1	RAJAN D 02/02/2012	17:15:39	SEAMUS L 02/02/2012	18:35:31	
1002981	2867	COMPACT AIR DRIVE, 23009	9484	1	RAJAN D 02/02/2012	17:15:20	SEAMUS L 02/02/2012	18:35:31	
1003174	2964	MICRO AIRE DRILL REAMER SET NO 4	9484	1	RAJAN D 02/02/2012	17:16:10	SEAMUS L 02/02/2012	18:35:32	
1003248	3717	SELLORS RETRACTOR, CARDIAC-01	9484	1	RAJAN D 02/02/2012	17:15:56	SEAMUS L 02/02/2012	18:35:32	
				8					

Example of Reports # 2

From : 01/02/2012
To : 03/02/2012

ST JAMES'S HOSPITAL DUBLIN

Audit Report

Date	Time	Code	Operator	Description	Machine	Cycle	Status
02/02/2012	18:22:16	100296200001	PAUL R	CHAUX RETRACTOR CARDIAC-01	0	0	DIRTY RETURNS
02/02/2012	17:15:48	100296200001	RAJAN D	CHAUX RETRACTOR CARDIAC-01	5	9484	WASHER LOAD
02/02/2012	18:35:31	100296200001	SEAMUS L	CHAUX RETRACTOR CARDIAC-01	5	9484	WASHER UNLOADED
02/02/2012	18:59:34	100296200002	SUSAN O B	CHAUX RETRACTOR CARDIAC-01	0	0	PACKING 1st SCAN
03/02/2012	08:18:22	100296200002	DEIRDRE C	CHAUX RETRACTOR CARDIAC-01	2	10825	AUTOCLAVE LOAD
03/02/2012	09:35:09	100296200002	DEIRDRE C	CHAUX RETRACTOR CARDIAC-01	2	10825	AUTOCLAVE UNLOAD
03/02/2012	09:35:09	100296200002	DEIRDRE C	CHAUX RETRACTOR CARDIAC-01	2	10825	ISSUED OFFSITE

Example of Reports # 3



Document List Report

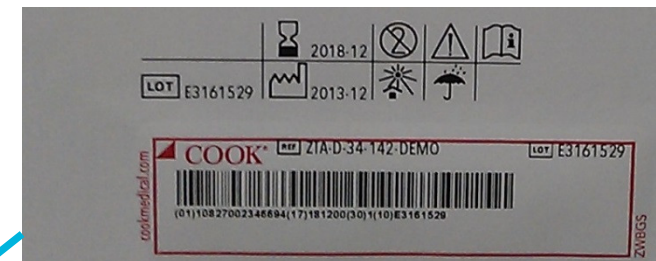
Document Number: T300041	Patient ID: 1062332	Theatre: THEATRE 3
Document Created By: %THERESE G	Date & Time Created: 18/08/2011 10:09:42	Amendments:
Code: 1002912 Lot No: 00004 Quantity: 1 Operator: %THERESE G	Type: TRACKER Item: BASIC VASCULAR SET-01 Supplier: STERILE SERVICES Remarks:	Number Of Items: 1
Document Number: T300243	Patient ID: 1069539	Theatre: THEATRE 3
Document Created By: %DOLLY B	Date & Time Created: 03/11/2011 19:11:21	Amendments:
Code: 1002912 Lot No: 00011 Quantity: 1 Operator: %DOLLY B	Type: TRACKER Item: BASIC VASCULAR SET-01 Supplier: STERILE SERVICES Remarks:	Number Of Items: 1
Document Number: T300356	Patient ID: 1076379	Theatre: THEATRE 3
Document Created By: %THERESE G	Date & Time Created: 16/12/2011 11:44:52	Amendments:
Code: 1002912 Lot No: 00014 Quantity: 1 Operator: %THERESE G	Type: TRACKER Item: BASIC VASCULAR SET-01 Supplier: STERILE SERVICES Remarks:	Number Of Items: 1
Document Number: T400014	Patient ID: 1049242	Theatre: THEATRE 4
Document Created By: %GERALDINE R	Date & Time Created: 28/07/2011 12:37:53	Amendments:
Code: 1002912 Lot No: 00001 Quantity: 1 Operator: %GERALDINE R	Type: TRACKER Item: BASIC VASCULAR SET-01 Supplier: STERILE SERVICES Remarks:	Number Of Items: 1
Document Number: T500061	Patient ID: 0359190	Theatre: THEATRE 6
Document Created By: %DANIELLE K	Date & Time Created: 01/09/2011 15:31:40	Amendments:
Code: 1002912 Lot No: 00005 Quantity: 1 Operator: %DANIELLE K	Type: TRACKER Item: BASIC VASCULAR SET-01 Supplier: STERILE SERVICES Remarks:	Number Of Items: 1
Document Number: T500071	Patient ID: 1065680	Theatre: THEATRE 6
Document Created By: 100291200006	Date & Time Created: 06/09/2011 10:44:17	Amendments:
Code: 1002912 Lot No: 00006 Quantity: 1 Operator: 100291200006	Type: TRACKER Item: BASIC VASCULAR SET-01 Supplier: STERILE SERVICES Remarks:	Number Of Items: 1
Document Number: T500110	Patient ID: 0778425	Theatre: THEATRE 6
Document Created By: %FETZY M	Date & Time Created: 20/09/2011 12:46:25	Amendments:
Code: 1002912 Lot No: 00009 Quantity: 1 Operator: %FETZY M	Type: TRACKER Item: BASIC VASCULAR SET-01 Supplier: STERILE SERVICES Remarks:	Number Of Items: 1

Medical Devices example

Implant being linked to the patient record



DOCUMENT REPORT



Document Number: EN00126	Patient ID: 0000004	Theatre: ENDOVASCULAR THEATRE
Document Created By %ANDREW	Date & Time Created 22/01/2014 10:43:09	Amendments
Code: 800453970219991002 Lot No: 02258 Quantity: 1 Operator: %ANDREW	Type: MS1 Download Item: ZZ ANDREW'S TEST SET Supplier: 5397021000009 Remarks:	Serial No. Machine ID 0 Cycle No. 0
Number Of Items:		1
Document Number: EN00128	Patient ID: 0000004	Theatre: ENDOVASCULAR THEATRE
Document Created By %ANDREW	Date & Time Created 22/01/2014 10:51:32	Amendments
Code: 011082700234666317 Lot No: 1234 Quantity: 1 Operator: %ANDREW	Type: IMPLANTS Item: KNEE IMPLANT Supplier: Remarks:	Serial No. Machine ID 0 Cycle No. 0
Code: 800453970219991002 Lot No: 02258 Quantity: 1 Operator: %ANDREW	Type: MS1 Download Item: ZZ ANDREW'S TEST SET Supplier: 5397021000009 Remarks:	Serial No. Machine ID 0 Cycle No. 0
Number Of Items:		2

Key Benefits

Innovative National Traceability in Healthcare using GS1 Standards



Automatic Tracking of Instrument Sets

- » No longer need to stick head in the washer

Much easier to share Loan Sets

- » Interoperability between hospitals
- » Lists more accurate and legible

Tray Checklists printed when scanned

- » Accurate and right version, no longer need to search

All records stored digitally

- » Can be referenced post-event

Link between tracking system and theatre

- » Closes the link between patients and sets reprocessed

Improved Workflow

- » Scanning of instrument sets mean team has to communicate and be more organised

Reporting

- » More reports (doing more audits), Enables asset management

Contact



Andrew Smith

HSSU, St James's Hospital

James's Street, Dublin, Ireland

Tel + 353 1 416 2557

eMail ASmith@stjames.ie



- QUESTIONS & ANSWERS

**Please use question panel
to type in questions**

Audience View 100%

Screen Sharing

Stopped No one sees your screen

Show My Screen

Stop Showing Screen

Give Keyboard & Mouse

Change Presenter

Start Recording 82.3 GB remaining [Settings](#)

Webcam

Audio

Telephone Edit

Mic & Speakers

Dial: +32 (0) 42 68 0161
Access Code: 587-490-174
Audio PIN: 26

If you're already on the call, press #26# now.
[Problem dialing in?](#)

Dashboard

Attendees: 1 out of 1001

Polls (0/0)

Questions

Show Answered Questions

X	Question	Asker



Next HPAC Webinar

Transforming the Supply Chain on pharmaceutical products

Ms S C Chiang, Senior Pharmacist, Chief Pharmacist's Office
Hospital Authority, Hong Kong

Date: Thursday 13 November 2014

Time: 08:30 – 9:30 (U.S. East Coast)
13:30 – 14:30 (Ireland/UK)
14:30 – 15:30 (Euro Zone)

http://www.gs1.org/healthcare/hpac_webinars