



Patient identification at Leeds Teaching Hospitals NHS Trust, UK

Mr David Berridge, Deputy Chief Medical Officer, Medical
Director – Operations, Consultant Vascular Surgeon
June 14th, 2018



Welcome and thank you for attending!



- Welcome to our June 2018 webinar.
- Thank you to our guest speaker – Mr David Berridge, Deputy Chief Medical Officer, Medical Director – Operations, Consultant Vascular Surgeon from Leeds Teaching Hospital, UK. And a thank you to Zebra.
- 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



HPAC Activities



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, Thailand from October 30st November 1st, 2018, with significant Healthcare Provider participation on the agenda.

David Berridge

**Deputy Chief Medical Officer
Medical Director – Operations
Consultant Vascular Surgeon**



The logo for SCAN4SAFETY. It features the word 'SCAN' in blue, followed by a stylized blue number '4' that incorporates a white plus sign, and then the word 'SAFETY' in blue. The entire logo is set against a white background with a blue wavy graphic at the top.

SCAN4SAFETY

About Us

About Leeds Teaching Hospitals NHS Trust

Over 1,100,000 Outpatients

Over 263,000 A&E Attendances

Over 117,000 Inpatients

Over 108,000 Day Cases

9,844 Babies born



2,000 beds



Over 17,000
staff



Turnover
£1.17 billion

About Leeds Teaching Hospitals NHS Trust

175 Buildings

Covering **574,234m²** gross internal area which houses



114 wards

135 Departments
& Clinical areas

And **69** Operating Theatres

Providing 120 specialist services

82 Adult Specialities **28** Paediatric Specialities

5 Pathology Services **5** Medicines

Management and Pharmacy Services



Bar coding

22,017

Global Location Numbers



Specialist Services



Robotic Surgery



Vision

We want the ability to track:

- Our patients
- The products
- The place
- Our involved staff
- The procedure
- The surgical trays & instruments



Patient Safety

- Making sure you have the Right Patient
- Making sure you (always) know What Product was used with Which Patient, When
- Making sure you have What You Need, When You Need it and Where You Need it
- Real time tracking of patients and bed state management 24/7
- Product recall
- Preventing the use of expired stock



Hierarchy of Waste in Supply Chain

*“Any activity that adds **COST** but no **VALUE** to the customer”*

- **Inventory** – How much, handling, capital employed, stock take costs, insurance
- **Defects** – obsolescence from product or technology changes, out of date, incorrectly opened goods, damaged goods, incorrect orders
- **Motion & Transport** – walking and delivering, expediting, chasing, delivery charges and urgent deliveries
- **Over Processing:**
 - **Purchase orders and Invoices** – How many, cost, average value per, frequency
 - **Paperwork** – Delivery notes, requisitions, pick lists and NJR data collection
 - **Admin** – time to place orders, order approval, stock management, stock take costs, receipting, goods inwards checking



Board Level Support



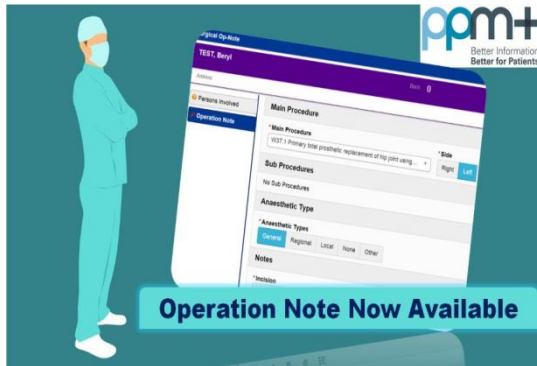
100 Day Plan

Digital Ward & Digital Pathway

Identify areas by consulting with CSUs
Invitation out to CSUs, with an outline
of ambition & requirements to become
the exemplar Digital Ward & Digital
Clinical Pathway



Digital Ward & Digital Pathway



Engage & assess the current state,
identify requirements, develop plan
with team, identify resource within
informatics to support/exploit existing
PM+ functionality and core clinical
systems fully by July



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SCAN4SAFETY

Our work

Patient identification



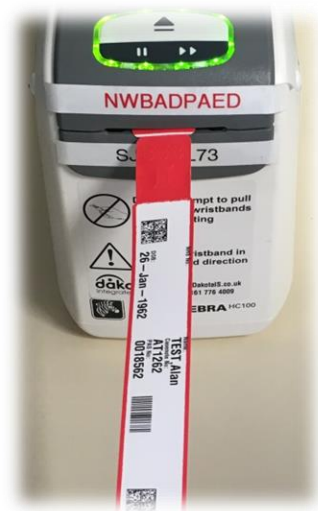
All our wristbands are
GS1 compliant

4+ Patient



Patient ID

- Wristbands Printers in situ across all 7 hospitals in 140 clinical areas
- 163 wristband printers rolled out
- 100% of all inpatients have Scan4Safety wristband
- New neonates wristbands developed and in place
- New softer more flexible wristbands introduced for patient comfort
- Saving £8,000 pa on new wristbands.



Out of Date Stock from initial visit



Stock Cupboard

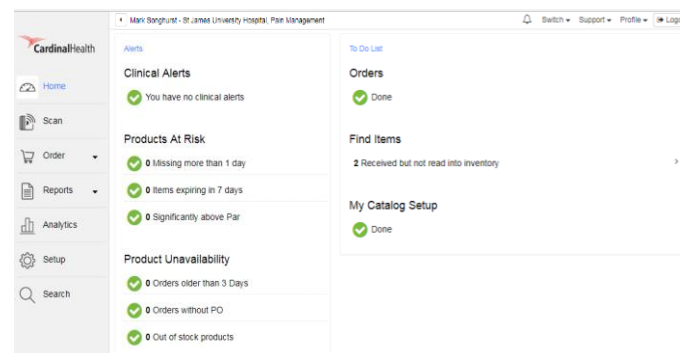


Before



After

Inventory Management



Patient Tracking



First of the demonstrator
sites to label down to bed
space level and start
unlocking the potential



Ward View: 91 (SJUH) St James's Institute of Oncology, Ward Code: J91

Action	Ward	Bed	Patient	Age	Scanned Location	Time Since Arrival	Consultant	Specialty	LOS	EDD	MFFD	Planning	EDID	Needed For Discharge / Transfer	Clinical Summary	eDAN	eMeds
	91 (SJUH)	1	RASPBERRY Robert	32y	Bed Area, J91 05-Oct-2017 06:53	18d 22h 18m	AA	General Medicine	19d			On Ward			This is some text to test carriage...	Pharmacy	
	91 (SJUH)	2	PLUM Henry	47y	Bed Area, J91 04-Oct-2017 02:32	4d 18h 27m	ADJ	Urology	5d			On Ward					
	91 (SJUH)	3	PEAR Pamela	37y	Bed Area, J91 06-Oct-2017 ...	3d 8h 15m	MIR	Anaesthetics	4d			On Ward				Pharmacy	
	91 (SJUH)	4	GRAPE Bella	57y	Xray, 06-Oct-2017 14:53	2d 3h 5m	ADJ	Urology	3d			On Ward					
	91 (SJUH)	5	BLUEBERRY George	32y	Bed Area, J91 05-Oct-2017 ...	30d 5h 22m	AA	General Medicine	31d			On Ward					
	91 (SJUH)	6	PINEAPPLE Peter	45y	Examination Room, Outpatients 06-Oct-2017 15:10	12d 8h 27m	MIR	Anaesthetics	13d			On Ward					
	91 (SJUH)	7	OLIVE Adrienne	37y	Bed Area, J91 05-Oct-2017 ...	18d 22h 18m	ADJ	Urology	19d			On Ward					
	91 (SJUH)	8	PEACH James	57y	Room 3, Endoscopy 06-Oct-2017 14:12	8d 23h 19m	JHB	General Medicine	9d			On Ward					
	91 (SJUH)	9	ORANGE David	32y	Bed Area, J91 05-Oct-2017 ...	3d 8h 15m	JHB	General Medicine	4d			On Ward					



Patient Place

Patient Tracking

The screenshot displays the PPM+ (Patient Pathway Management) interface. The top navigation bar includes the PPM+ logo, a patient search field, and a 'Sign Out' button. The main content area is divided into a left sidebar with navigation links (e.g., View Patient Details, View Audit Log, Clinical Record Types) and a central timeline view. The timeline shows a patient's care journey from 2014 to 2017, with events categorized by date and location. Key events include:

- 2017:**
 - 13-Nov-2017: File Link, eDAN - 23 (SJUH)
 - 13-Nov-2017: File Link, NEWS Observation Summary
 - 13-Nov-2017: Investigation, US guided guidewire Loc breast Lt
 - 13-Nov-2017: Investigation, US Guided skin marking breast Lt
 - 13-Nov-2017: Investigation, XR Mammogram Lt
 - 13-Nov-2017: File Link, VTE Risk Assessment
 - 13-Nov-2017: Admission, 23 (St James's University Hospital...)
 - 13-Nov-2017: Ward Stay, 23 (St James's University Hospital...)
 - 13-Nov-2017: Surgery, Diagnostic excision on ultrasound...
 - 08-Nov-2017: Epro, Admission letter
 - 08-Nov-2017: Lab Results, MRSA screen - L, 17.9282369 M
 - 07-Nov-2017: Lab Results, Full blood Count FBC / Urea & Ele...
 - 07-Nov-2017: Epro, Breast Surgery clinic letter
 - 07-Nov-2017: Outpatient, Breast Follow Up Waitin...
 - 07-Nov-2017: MDT Review, Breast MDT (LTHT)
 - 07-Nov-2017: Outpatient, SJH Pre-Assessment (SJH Pre-As...
 - 07-Nov-2017: File Link, Breast Mdt
 - 06-Nov-2017: Investigation, Films Reviewed at MDT Meeting
 - 25-Oct-2017: Referral, To: om: Unknown, Un...
 - 25-Oct-2017: Referral, To: om: Breast Screen...
 - 23-Oct-2017: Pathology, LH17-45479 - Histopathology
- 2014:**
 - 07-Aug-2014: Epro, Gynaecology clinic letter
 - 21-Jul-2014: Epro, Gynaecology discharge letter
 - 27-May-2014: Epro, Outpatient hysteroscopy clinic letter

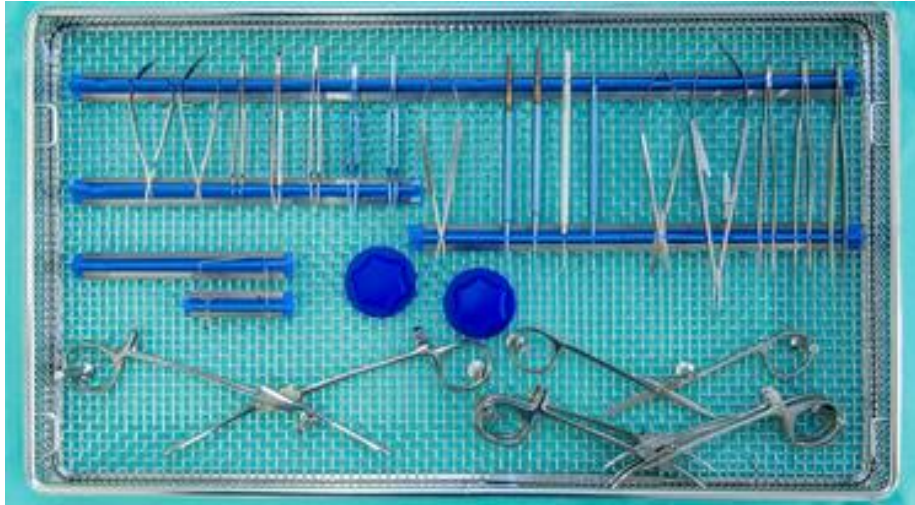
The timeline also shows patient locations and times, such as 'Bed11 - Ward J23' at 14:05, 'Recovery Area - Ward J23' at 11:32, 'Theatre5 - Operating Theatres' at 10:41, 'AnaesRm5 - Operating Theatres' at 10:35, 'WardWaitingArea - Ward J23' at 09:50, 'BreastImaging - Outpatients' at 08:30, and 'WardWaitingArea - Ward J23' at 07:06.

A large, stylized blue wave graphic that spans the top of the slide, with a white swoosh cutting through it.

SCAN⁺SAFETY

Our benefits

Theatre Tray Rationalisation



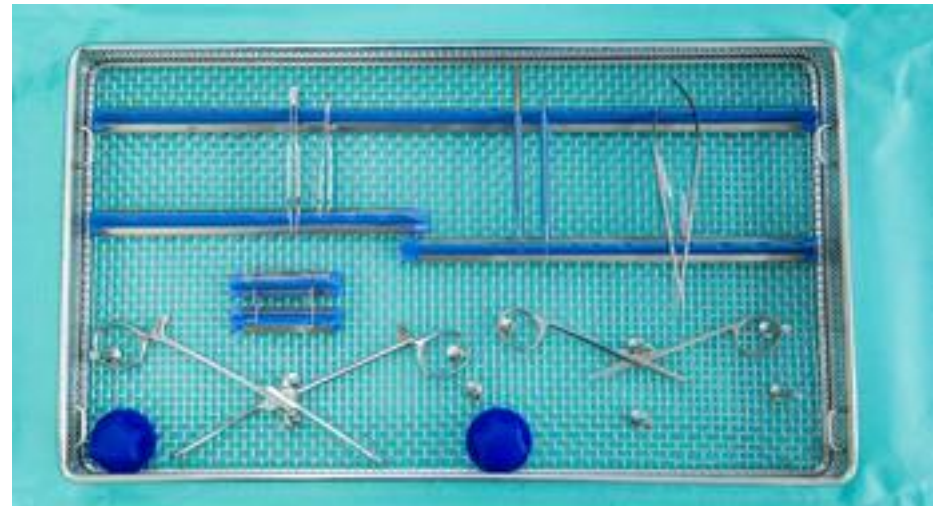
Savings	FYE 16/17	PYE 17/18	Total
Recurrent	£87,037.95	£7,026.54	£94,064.49
One off	£0	£39,500	£39,500

Theatre Tray Rationalisation
Programme removed

£94,064.49

per annum of sterilisation
costs.

Process



Ophthalmology Product Recall Test



Nursing Time (Old System)
Minimum of £173 and **8.33 hours**



Inventory Time (New System)
Maximum of £9 and **35 minutes**

Benefits realised PCI Procedures

Leeds Carried out 4,180 PCI Procedures

September 2016 – August 2017

Process	Mean Time Taken	Mean Time Released	Annual Effect of time Released
Computer Scanning of Products	6 min 23 sec		
Scan4Safety Handheld	1 min 53 sec	4 min 30 sec	42 Days

Monetary Equivalent at midpoint of Band 5 = **£4,095**

Perfect Week – identifying potential

- Portering Service spent 12.82 man days on wasted tasks with an annual value of £39,698.41 over the 07:00 – 23:00 on seven days
- Implementing Scan4Safety could return 3.14 man days of the above time over a year this would return £9,723



Benefits realised

Area	Benefit
Product Recall Staff Time	£84,411
Inventory Reduction	£1,781,634
Returned Stock	£159,082
Efficiency Benefits	£157,645
Tray Rationalisation	£133,564
TOTAL	£2,316,336

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Our future

The future



**West Yorkshire
Association of
Acute Trusts**



Right Patient

Setting standards to make sure we always have the right patient and know **what** product was used with **which** patient, **when**.



Right Product

Setting standards to make sure our staff have **what** they need, **when** they need it.



Right Place

Setting standards to make sure that patients and products are in the right place.



Right Process

Setting standards and implementing common ways of working to deliver better and more easily repeatable patient care.

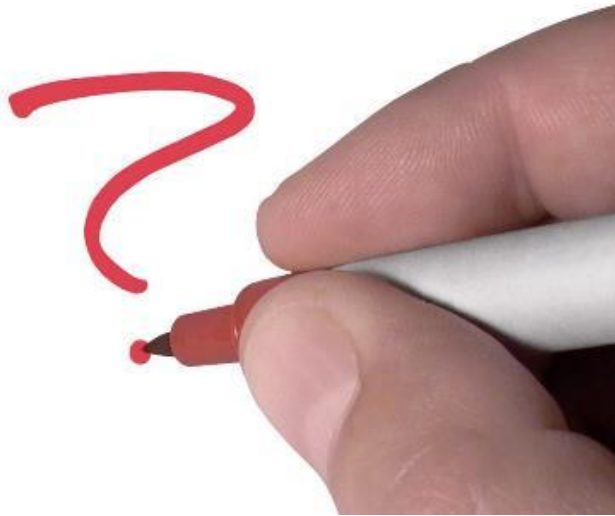
Every time!

Thank-you for your attention



GS1 Healthcare Webinar

Questions and contact details



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