



## The Global Language of Business

# GS1 Healthcare Provider Advisory Council Webinar

## Implementing Unique Device Identification (UDI) and Recall

Kevin Downs, Director of Finance & Performance, Derby Teaching Hospitals NHS Foundation Trust  
March 2016



# Welcome and thank you for attending!



- Welcome to our March 2016 webinar. Thank you to our guest speaker – Kevin Downs, Director of Finance & Performance, Derby Teaching Hospitals NHS Foundation Trust
- 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](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)



**Thought leaders and early 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](http://www.gs1.org/healthcare/hpac_webinars)

## Awards

- Twice per annum
- Provider Best Case Study Award
- Provider Recognition Award
- <http://www.gs1.org/healthcare/hpac>

**GS1 Healthcare also holds two global conferences per annum. Next conference in Dubai from 18-20 April. Significant Healthcare Provider participation on the agenda. Go to: <http://healthcare-event.gs1.org>**



# Welcome

Derby Teaching Hospitals  
NHS Foundation Trust



# Facts about our hospital

Derby Teaching Hospitals   
NHS Foundation Trust

- The Royal Derby Hospital is the newest hospital in the East Midlands
  - £334 million has been invested in the development
  - Annual budget of around £475 million
- Officially opened in April 2010 by Her Majesty The Queen and His Royal Highness The Duke of Edinburgh,
- We now care for more than 180,000 people as inpatients, outpatients, emergency patients and day cases.
- This equates to around 625,000 visits from patients each year.
- There are 1,159 beds in our 50 wards (Inc. 4 wards from our London Road site)
  - And 200 of them are in single rooms with en-suite facilities
  - Over 8,000 employees
- We have 35 operating theatres



# Quote – Tom Kelsey

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## **Going digital is no longer optional for the NHS**

The NHS mantra should be: “Every patient needs a barcode”.

That was the revolutionary thought outlined by Tim Kelsey, NHS England’s National Director for Patients and Information and Chair of the National Information Board, as he opened day two of the Health and Care Innovation Expo 2015 conference in Manchester.

With a barcode on the patient, consumables, staff, location, and assets we can easily show a patients true cost and journey, throughout the patient pathway.



FMCG

Derby Teaching Hospitals



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The Whole system is based on



# POINT OF USE

What the Customer buys



So Why Not the Patient?





# TRACKING

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## Scope Scanning Sheet

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Pentax CF-1T20L Colonoscope - S/N 2932078



(240)CF-1T20L(21)2932078

Olympus CHF-CB30S - Choledochoscope - S/N W500309



(240)CHF-CB30S(21)W500309

# TRACEABILITY ?

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# SO WHY IS IT SO IMPORTANT ?



# Benefits of GS1 in FMCG

- Stock contamination identified
- Traceability
- Speed

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# Not in Healthcare ?



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PIP breast implants; The medical devices manufactured by a French company, Poly Implant Prothèse (PIP).

French regulator (AFSSAPS) Identified the manufacturer had used unapproved materials which may affect their safety and performance.



## Finding those Patients affected?



# CONTRACTUAL !!!!

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## Latest CPE News

### Adoption of GS1 Standards by NHS Acute Trusts

Richard Douglas asks all NHS Acute Trust Chief Executives to nominate a GS1 Lead for their Trust.

Richard Douglas, Director-General, Finance and NHS Directorate wrote to all NHS Acute Trust Chief Executives today, 17 November, requesting that they nominate an individual in their organisation as lead for the adoption of GS1 standards by 28 November 2014. This note was also provided to non-Acute Trusts for reference. No action is required by non-Acute Trusts.

GS1 is a global standards organisation that provides barcoding standards that enable data to be captured by barcode scanners and shared electronically between systems. The use of GS1 standards for patient identification is already a requirement under ISB1077 and compliance with the NHS eProcurement strategy is a requirement of the NHS Standard Contract. Under this requirement, Acute Trusts are expected to develop and commence implementation of:

a Board-approved GS1 adoption plan  
plans to electronically record usage of medicines and medical devices into the patient record

The Department of Health is currently creating detailed guidance for Trusts to support the production of local adoption plans. The requirement in the NHS eProcurement strategy to produce these plans by the end of March 2015 has been extended to the end of June 2015. The guidance will be provided to Trust GS1 Leads as nominations are received. Regional training events will be held in January/February to fully brief Trust GS1 Leads on this area of activity.





## The Stock Room – Original Objective

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# Master Data Catalogue Management

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385 HL Catalogues, resulting in  
145,000 items in catalogues

- Contract based item & price data
- Validated catalogue item data
- Consistent contract based item & price data
- Controlled ordering
- Standardisation of item choice

} HL

} hTrak

**Reduced Cost of Procurement  
Eliminated PO Supplier queries**



# Scanning via hTrak



1) Will scan high value items

(including HIBCC)

1) Low value items will be put in packs

E.g. on next slide

3) Scan Surgical Trays (traceability & cost)

4) Scan Scopes for (traceability & cost)



# Lap Chole Scanning Sheet 'Mr Leeder' – SELF MADE

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Kit - Gowns/Gloves/Drapes for up to 3



(240)DERBYKIT015

Kit - LEEDER - Lap Chole



(240)MrLeeder005

Kit - General Anaesthetic Kit



(240)DERBYKIT002

Kit Contents		
Part No.	Description	Qty
BDS3000	GAS TUBING	1
CTF12	5mm PORT	1
CTF73	10mm PORT & TROCAR	1
CTS22	10mm PORT	1
CV65-701	FRED	1
FAL024	PURPLE BERT BAG	1
FBE10128	CAMERA COVER	1
FDJ136	DIATHERMY PAD	1
FSF230	11 BLADE	1
FSL114	SHARPS PAD	1
FTR044	GREEN HYPO	1
FVU240	W9221 VICRYL	1
FVU331	W9932 VICRYL RAPIDE	1
FWC021	20ml SYRINGE	1
IJ022141	LAP SWABS	1
PFT301	GENERAL DRAPES	1



# Process Automation

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- **PO and Invoice transmission**
  - Reduction in time
  - Confidence of delivery
- **PO and Invoice matching**
  - Reduction in admin time
- **PEPPOL conformant**
  - Assurance of transmission
- **Usage driven automated replenishment**
  - Reduced overstocking & wastage
  - Linkage to PLICS

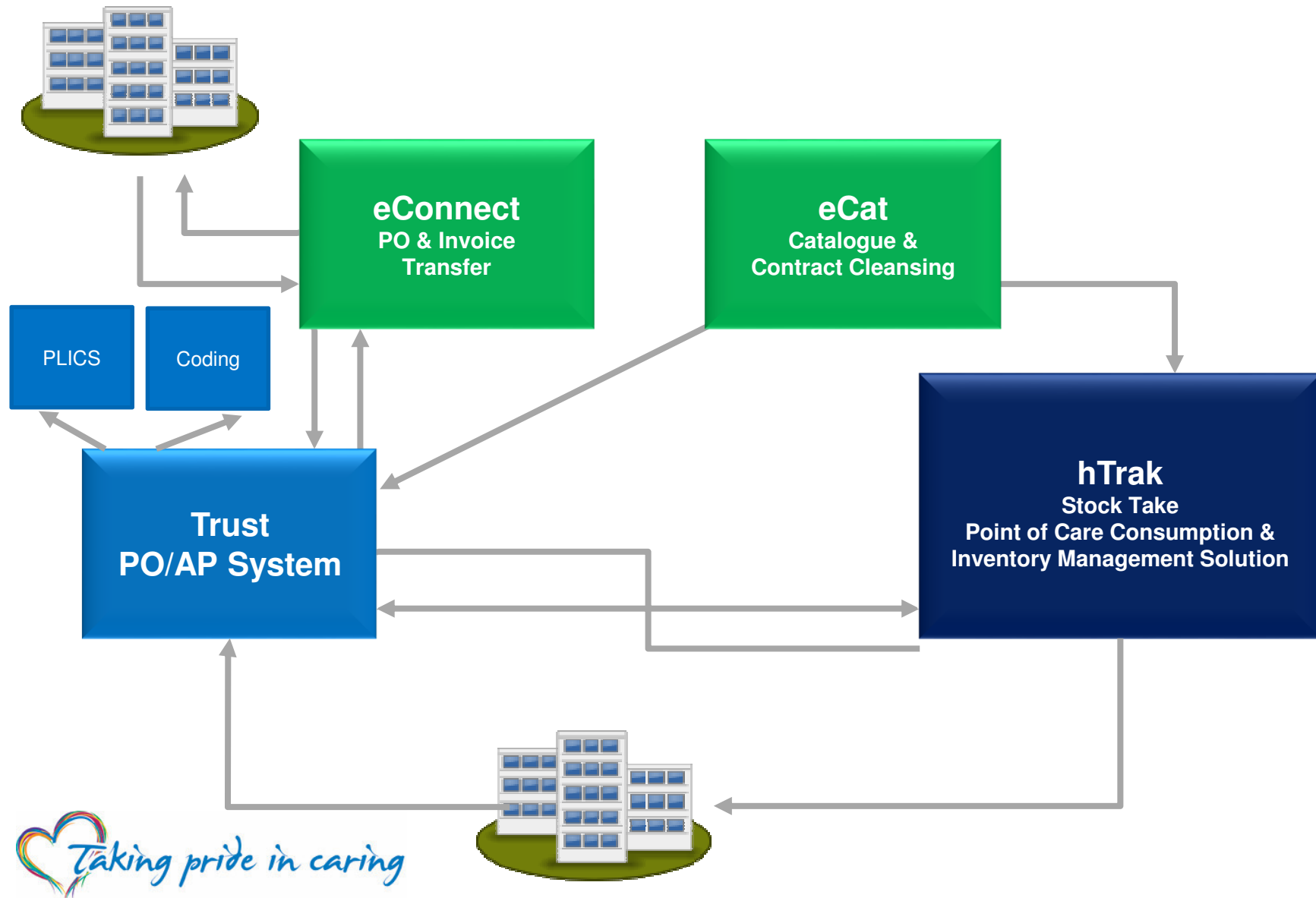
**Better Financial View of Supply Chain**

# Integrated Processes

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# Master Data Understanding Stock

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## Implementation:

- **Operational in 9 General Theatres, 3 General Day Case Theatres and 2 Radiology Suites, 2 Cardio Cath Labs, 3 Eyes Theatres and 2 Urology Theatres. (18 Theatres & 4 Suites)**
  - Rolling out to further 15 Theatres
- **Tracked theatre & stock room consumption**
  - Loan sets & Surgical trays tracked
    - Prevented expiry wastage
- **Automated replenishment**
- **Streamlined ordering**
  - Direct via NHS Supply Chain

**Knowledge leads to Reductions in overall Stock Levels**



## ■ Implementation Plan and Timescale

- Initial Planning stages - Commenced November 2013
- Roll out to General Theatres - April 2014  
9 theatres – multiple specialties
- General Day case Theatres - December 2014  
3 theatres – multiple specialties
- Radiology – January 2015 - 2 suites
- Cardio Catheter Labs – May 2015 -2 labs
- Urology day case – August 2015 – 2 theatres
- Ophthalmology - Sept 2015 – 3 theatres
- Hand Theatres – November 2015 – 2 theatres
- Gynae and Children's January 2016 – 4 theatres
- Other day case theatres - September 2015 - 6 theatres  
(exc Prosthesis and Implants)
- Trauma and Orthopaedics – First qtr 2016 – 8 theatres
- WARDS /Outpatients - 2016

# Traceability, Patient Safety & Data Capture;

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- **Patient** Scanned and Checked
- **Staff** Scanned and Tracked
- Track scopes/ Instrumentation to patients
  - CJD & AIDS
- Tracked theatre & stock room consumption
  - Loan sets & Surgical trays tracked
    - Lot number captured – Product Recalls
    - Prevented expiry wastage & Warning Flag
- Attribute cost to Scope/Instrumentation use
- Track planned maintenance e.g. 100 uses





# Traceability, Patient Safety & Data Capture;

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## Further Value;

- Detailed and Accurate data for PLICS
- Automated replenishment of stock
- Clinical Teams Time Saved (Ordering)
- Stock takes halved from 1 day to ½ day
- Reduced stock holding (£'s)
- Direct NHS Supply Chain ordering
- Driving down delivery charges



## ■ How to get Clinical Engagement?

- Patient Safety - out of date stock
- Traceability - Instruments /implants
- Coding – Income Improvement/Reduce Cost Improvement Impact
- Automatic update of external records - implants



# Quantifiable results

## Cost Reduction

Since April 2014 Derby have seen business process efficiencies equating to approximately **£25k** per month after costs (This figure is relating to General Surgery, Imaging and Cath Labs) – Annual Impact £300k – 30% of Theatres.

Through a combination of factors:

- The non-stock spend has reduced by at least 5-7% since go live
- Culture change in terms of waste, opening and using only what's needed
- Auto-replenishment of stock, clinician time diverted back to patient care (Stock Take efficiency) 2 days to 1/2 day
- Reductions in the stock holding – Visibility of consumption ( Adjusted Min / Max)
- Driving down delivery charges by grouping orders
- Released stock storage space which can be relocated for other uses.

### Key Data:

Over 400 electronic catalogues feeding validated consumable pricing, enabling detailed analysis of non-pay spend. We are fully ready to benchmark our pricing...

## Income Improvement

- Increased accuracy of OPCS codes due to data capture at point of care.
- Coding of all uncoded patients - £850k

As more areas go live, this figure increases...



# Coding Status

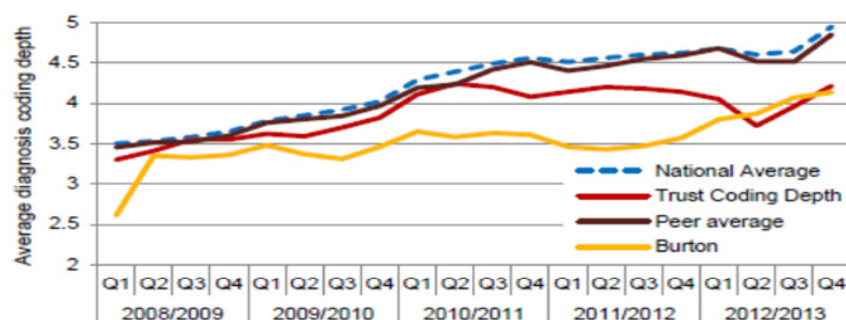
Derby Teaching Hospitals



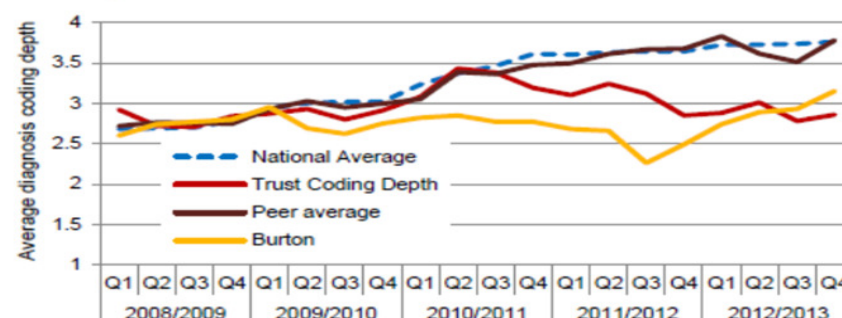
NHS Foundation Trust

## *Derby Hospitals Clinical coding depth* Average diagnosis coding depth by admission method

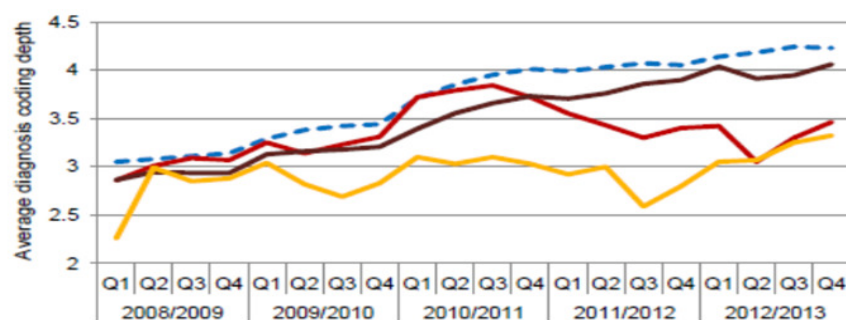
### Overall



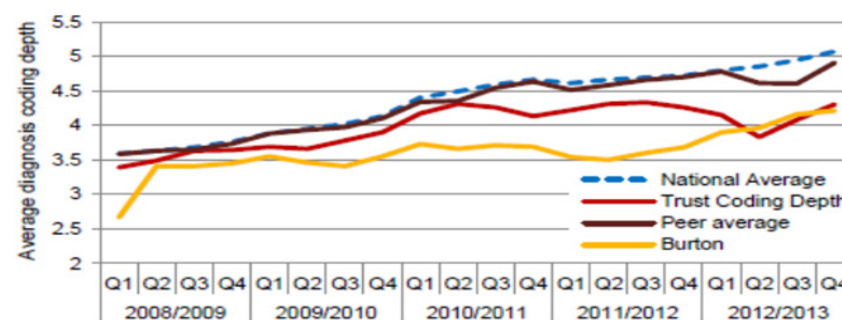
### Day Case



### Elective



### Non - Elective



Source: Health Evaluation Database (HED): April 2008 – Mar 2013  
Operational Benchmarking Support  
PWC

December 2013

4

# Coding Problem

Activity in the nine months to the end of December 2013 with a cost of £840K has an HRG code “Data invalid for grouping

FCE HRG	Description	Activity	Total cost	Average cost	Minimum	Maximum
JZ01Z	Data invalid for grouping	580	£839,755	£1,448	£31	£12,714

# USE TRUSTS OWN GS1 CODES

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## Procedure Type Scanning Sheet Derby Hospitals NHS Foundation Trust - General Theat



A243 - Microsurgical graft to facial nerve (vii) NEC



A243

A368 - Other specified other operations on cranial nerve



A368

A521 - Therapeutic lumbar epidural injection



A521

A523 - Epidural blood patch



A523

A528 - Other specified therapeutic epidural injection



A528

A543 - Implantation of Intrathecal drug delivery device adjacent to spi



A543

# How the coders receive hTrak data

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```
Untitled - Notepad
File Edit Format View Help
DOE Jane (Hospital No: 98989898/NHS Number: 123-456-7890)

Diagnosis Codes (Comorbidities via STEVE, updated on 02/04/2015 15:16 by Tester1 (Tester))
H54 - Registered Blind
I63, I64 - Stroke
Z921 - Anticoagulant therapy

Procedure Codes (Procedures via HTRAK)

Procedure Date: 23 Feb 2015
G722 - Anastomosis of ileum to transverse colon
T415 - Freeing of extensive adhesions of peritoneum
Y502 - Laparotomy approach NEC

Procedure Date: 17 Nov 2014
G741 - Creation of continent ileostomy
Y502 - Laparotomy approach NEC
Y701 - Emergency operations NOC

Procedure Date: 16 Nov 2014
H071 - Right hemicolectomy and end to end anastomosis of ileum to colon
L462 - Open embolisation of visceral branch of abdominal aorta NEC
Y502 - Laparotomy approach NEC
Y701 - Emergency operations NOC
```



**COPD**

- ☐ Unspecified
- ☐ Chronic bronchitis
- ☐ Emphysema
- ☐ Current smoker (or within 3 months)
- ☐ Past smoker
- ☐ Chronic respiratory failure (Home O2 inc CPAP)
- ☐ Asthma (on inhalers)
- ☐ Other chronic lung disease

**Registered Blind**

**Severe or profound hearing loss**

**Dysphagia**

**Epilepsy**

**Parkinson's disease**

**Multiple Sclerosis**

**Stroke**

**TIA**

**Other cerebrovascular disease**

**Dementia excluding Alzheimer's disease**

**Alzheimer's disease**

**Depressive disorders including bipolar disorder**

**Anxiety disorders**

**Developmental delay including learning disability**

**Drug abuse**

**Eating disorders**

**Personal history of self harm**

**Psychotic disorders including schizophrenia, delusional disorders**

**Autism**

**Hypertension**

**Gastro oesophageal reflux**

**Peptic ulcer**

**Abnormal LFTs (including abnormal clotting)**

**Jaundice**

**Other liver disease**

**Details**

**History of alcohol abuse (>28 units men > 21 Units women)**

**Dependant diabetes**

**Non-insulin dependant diabetes**

**Diabetic complications**

**Neuropathy**

**Vascular**

**Renal**

**Ophthalmic**

**Autonomic**

**Cancer**

**(any current primary)**

**(any past history)**

**Metastatic cancer**

**Cancer - please document site(s)**

**HIV positive**

**History of ischaemic heart disease**

**Acute Myocardial Infarction in last 28 days**

**Congestive cardiac failure (any evidence of right heart failure)**

**Left ventricular failure**

**Atrial fibrillation**

**Cardiac pacemaker in place**

**Mitral valve disease**

**Peripheral vascular disease**

**Acute Kidney Injury**

**Kidney Stage**

**Disease**

**Dialysis**

**Transplant**

**Urinary retention (Catheter in place/inserted)**

**Rheumatoid arthritis**

**Any connective tissue disorder**

**Obesity (BMI > 30)**

**Hemiplegia**

**Paraplegia**

**Anticoagulant therapy**

**PE or DVT**

**Tendency to fall**

**Living alone**

“BIG STEVE”

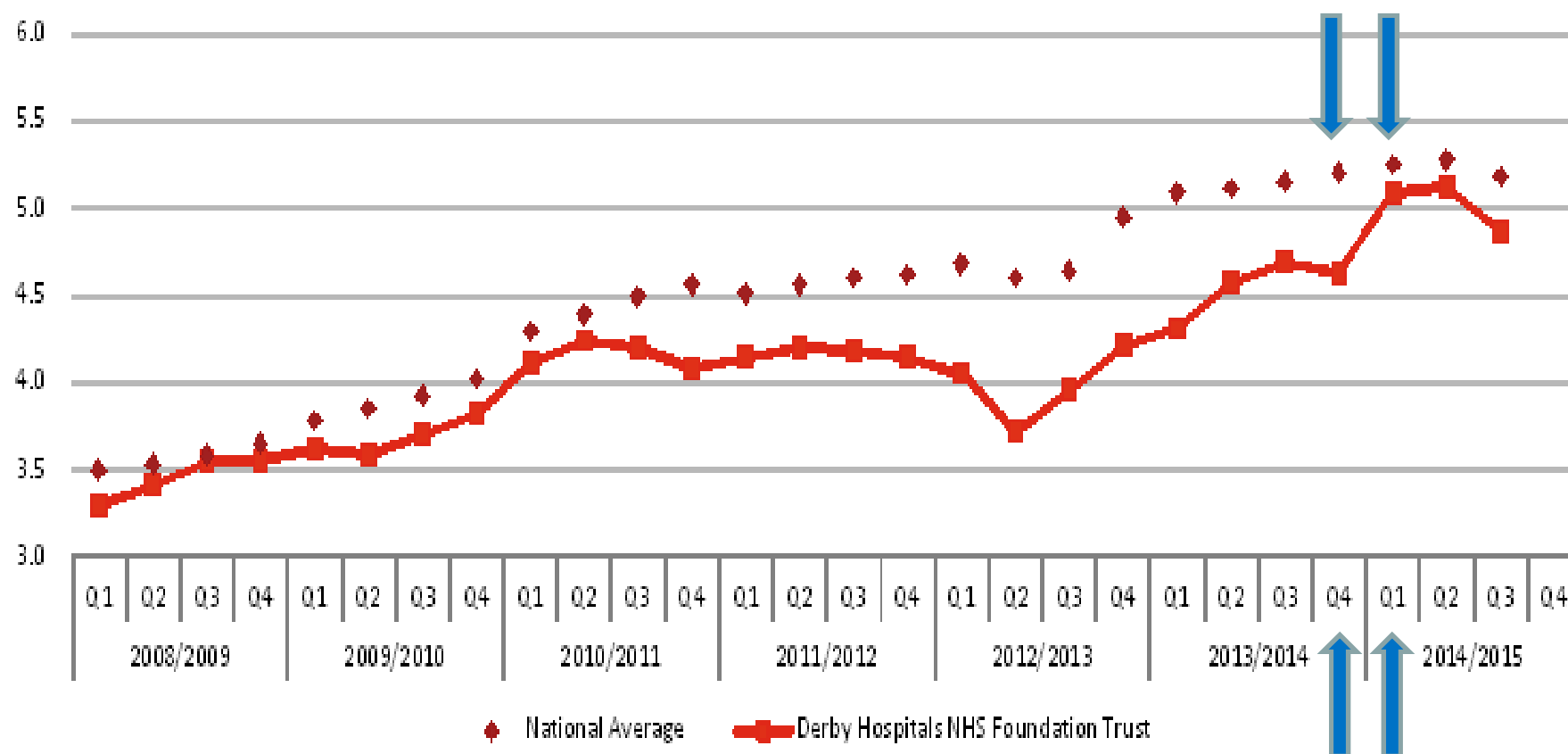
Co-Morbidities  
Recording

*Taking pride in caring*

# Coding Impact

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Depth of coding - Derby vs National average





# Operational Changes

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## Changes in Clinical and Operational Practice

Addressing “false economies”



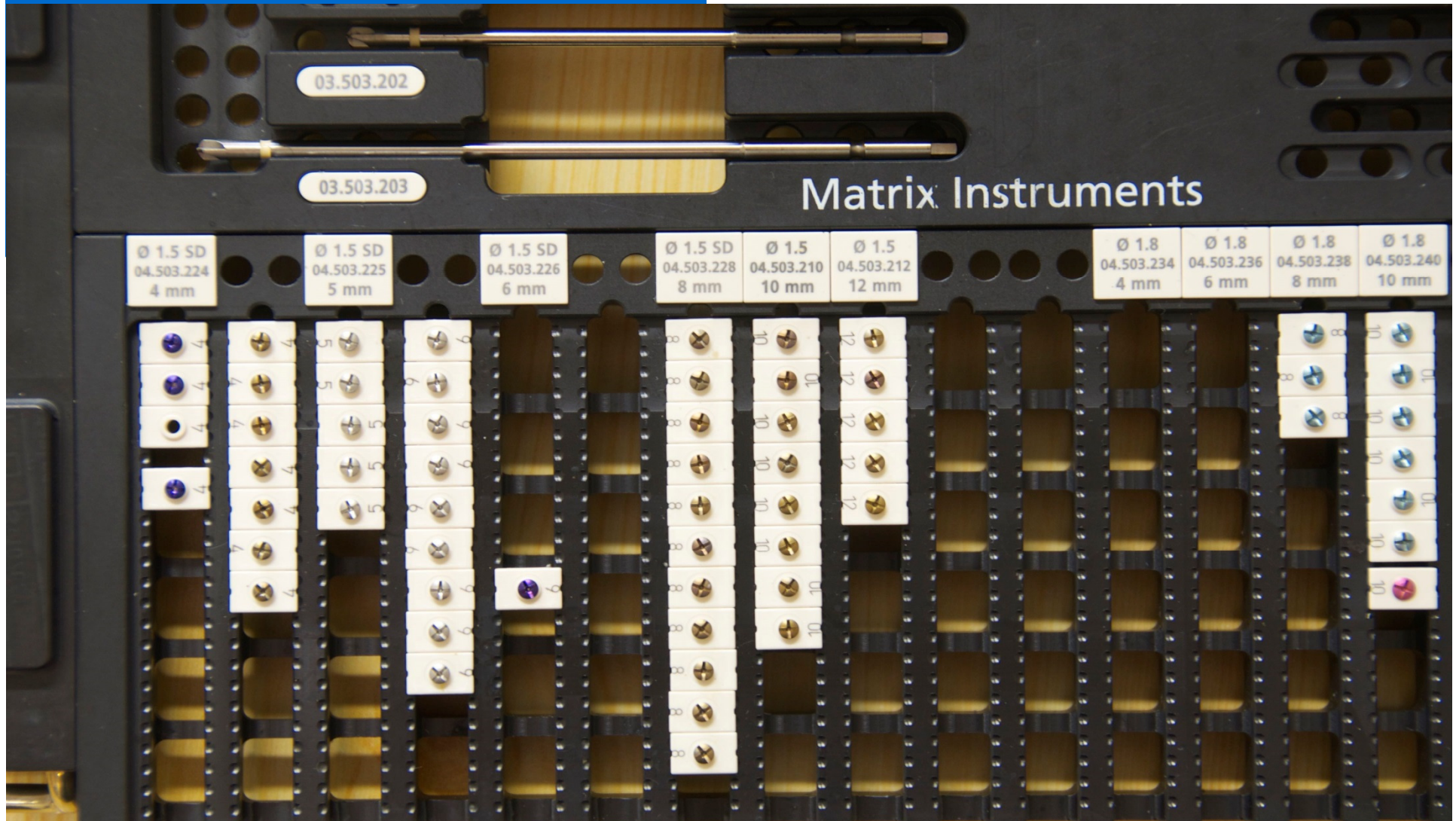


# Synergy Tray – Screw Example

Derby Teaching Hospitals



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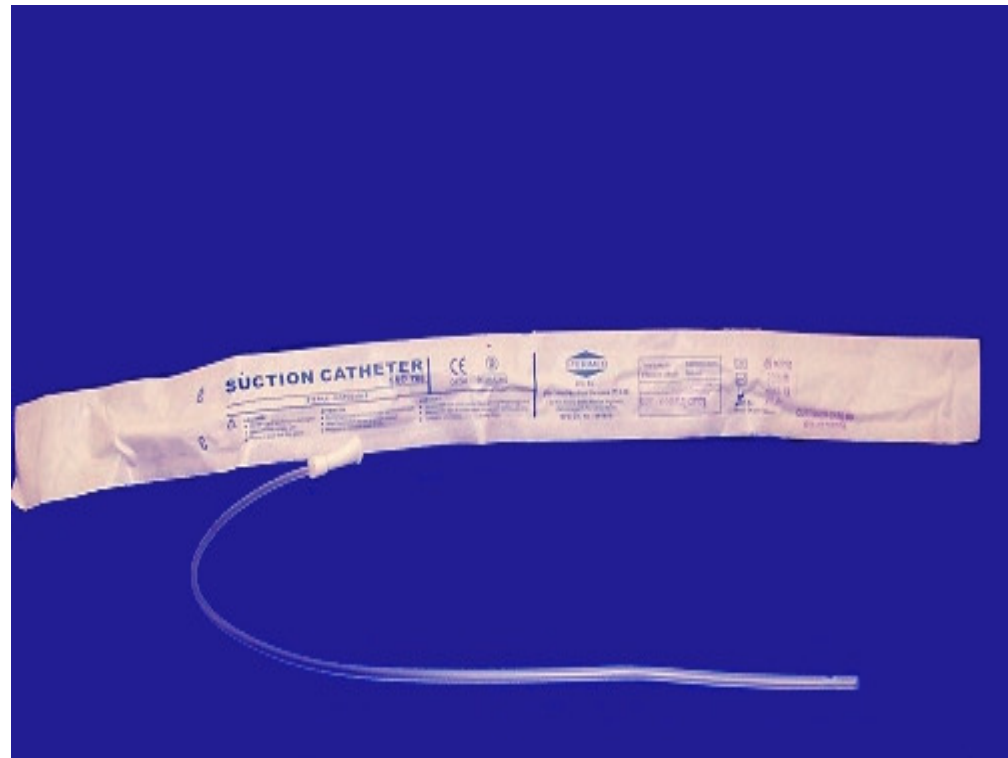
## Efficiency Examples...

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# Efficiency Examples

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## Jaw Plates – Straight or Curved?

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- Clinician Involvement

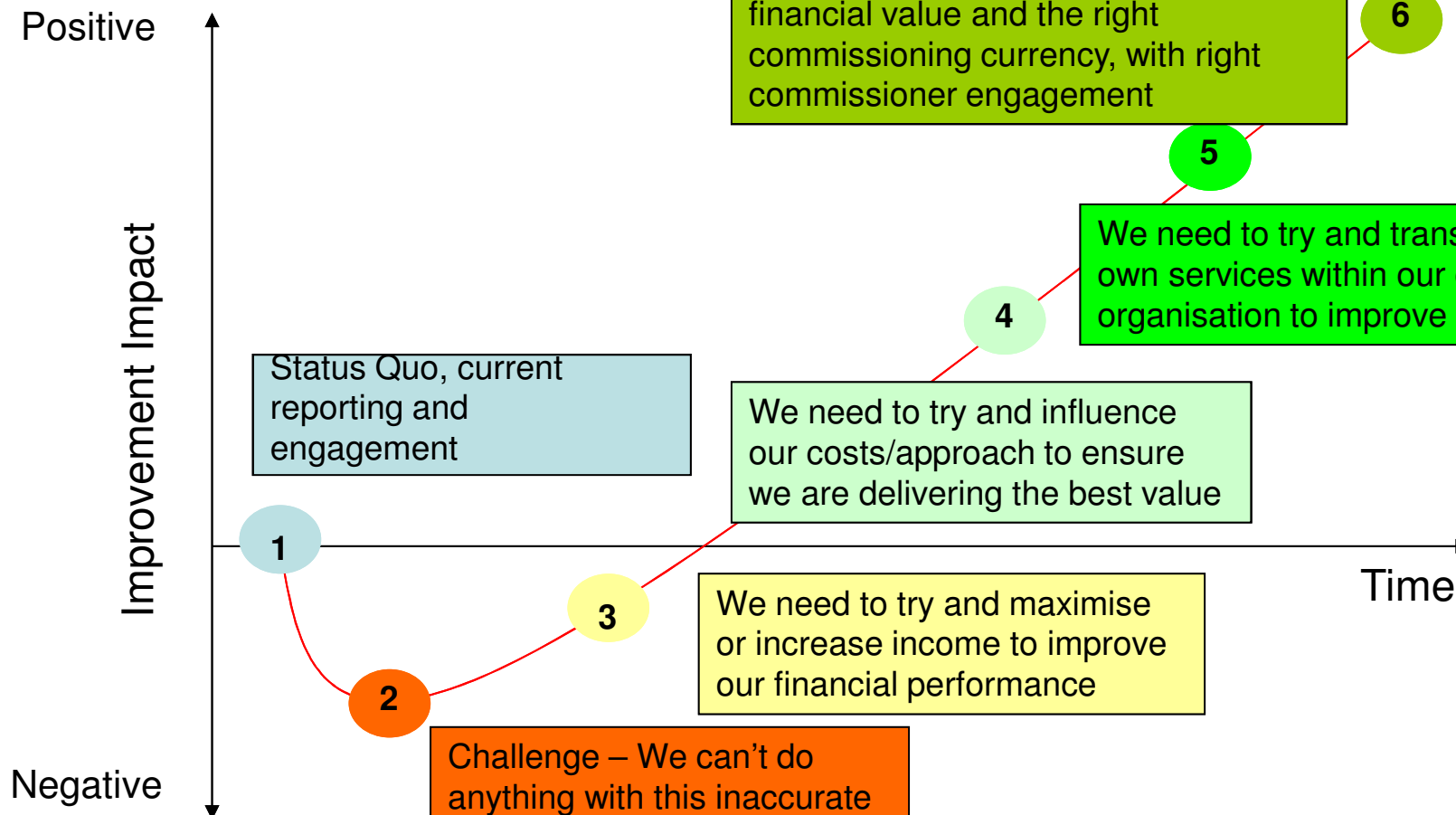
The ability to address Clinical variation with detailed and owned undisputed information

# SLM - Capability and Improvement Trajectory

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# hTrak Procedure Report 'Crude Data'

Excel

Page 1 of 4

hTrak Report

Patient Ref: 02186841

Procedure Date: 05-09-2014

Affix Patient Label Here

Patient Class:	NHS	Facility:	Theatre 6
Operation Type:	Elective	Facility Cost:	20.00
		Hand Held User:	KOHRs SARAH

Procedure Codes					
Procedure	Item Codes	Theatre Band	Band Amount	Hand Held User	Scan Date/Time
Partitioning of stomach using staples	G304			KOHRs SARAH	05-09-2014 17:48:39
Bypass of stomach by anastomosis of stomach to transposed jejunum	G321			KOHRs SARAH	05-09-2014 17:48:22
Laparoscopic approach to abdominal cavity NEC	Y752			KOHRs SARAH	05-09-2014 17:46:26

Procedure Timing				
Timing Point Name	Date & Time Stamp	Hand Held/HRS User	Facility Usage Duration	Procedure Duration
Anaesthetic Start	05-09-2014 14:11:00	KOHRs SARAH	(HH:MM:SS)	(HH:MM:SS)
Into Theatre	05-09-2014 14:27:00	KOHRs SARAH	03:40:00	02:50:00
Start of Procedure	05-09-2014 14:46:00	KOHRs SARAH		
End of Procedure	05-09-2014 17:36:00	KOHRs SARAH		
Out of Theatre	05-09-2014 17:51:00	KOHRs SARAH		

Attending Staff			
Staff ID	Staff Name	Staff Type	Duration
10708345	BROWN JUNE	Theatre Practitioner	03:40:00
10709256	KOHRs SARAH	Theatre Practitioner	03:40:00
10709349	DAWSON MICHELLE	Anaesthetist	03:40:00
22447767-2	SILLAH, ABDUL KARIM	Surgeon	03:40:00
22847024-2	SANSOME JONATHAN	Theatre Practitioner	03:40:00
23901363	VASAS PETER	Consultant	03:40:00

Anaesthetic			
Anaesthetic Key	Anaesthetic Description	Hand Held User	Scan Date/Time

Patient Ref: 02186841

Procedure Date: 05-09-2014

Hospital: Derby Hospital

Department: General Theatres

**Patient Ref: 02186841****Procedure Date: 05-09-2014****Hospital: Derby Hospital****Department: General Theatres**

Affix Patient Label Here

**hTrak Report Patient Ref: 02186841****Procedure Date: 05-09-2014****Page 2 of 4**

Anaesthetic Key	Anaesthetic Description	Hand Held User	Scan Date/Time
GENANAES	General Anaesthetic	KOHRs SARAH	05-09-2014 14:09:18

Time Out Questions			
Time Out Question	Answer	Hand Held User	Answer Date/Time
Delay Reasons	No delay to procedure	KOHRs SARAH	05-09-2014 14:09:14
Procedure Outcome	Completed as planned	KOHRs SARAH	05-09-2014 17:48:45

Products Used								
Item No.	Supplier Product Code	Description	Qty	Price	Consumption Type	Lot No.	Expiry Date	Ext. Price
1	00001394	Liga clip large Main Theatre	1	1.98	Normal	226389105		1.98
2	010-640	ELBOW LOW PROFILE 22M/15F	1	0.15	Normal			0.15
3	0327005405	Harmonic Hand Piece	1	5.46	Normal	226365240		5.46
4	0327021302	Bookwalter Liver Rets & Framework (5 pieces)	1	5.46	Normal	226437370		5.46
5	0327022302	Lap Bypass Surgery (General Th)	1	10.92	Normal	226253934		10.92
6	0327022502	New Laparoscopic Prep Pack	1	26.64	Normal	226354658		26.64
7	0327023104	Wolf 30 Deg Lap Telescope(General Th)	1	5.46	Normal	226439811		5.46
8	0327023106	Wolf 30 Deg Lap Telescope(General Th)	1	5.46	Normal	226437004		5.46
9	038-41-355	BACTERIAL/VIRAL FILTER ADULT + HME & LUER PORT	1	0.52	Normal			0.52
10	040-733	SINGLE USE FLEXIBLE FIBRE OPTIC CURVED BLADE NO. 3	1	25.00	Normal			25.00
11	1011654	48100 MASK TECNOL 50 LITE ONE BLUE X6	3	0.00	Normal			0.01
12	1012309EA	Small Swabs 10*7.5cm 32 Ply	1	0.70	Normal			0.70
13	172015	SURGINEEDLE 120MM	1	6.08	Normal			6.08
14	ASU1200	Hydroline	1	12.00	Normal			12.00
15	BDS3000	Insufflation Tubing - Dual Luer Lock	1	1.41	Normal			1.41
16	CTB12	5 x 100mm Kii Shielded Bladed Dual Pack with Z Thread	1	19.99	Normal	1219837	01-04-2017	19.99
17	CTF73	12 x 100mm Kii Fios First Entry with Z-Thread	1	37.00	Normal	1219400	28-03-2017	37.00
18	CTS22	12 x 100mm Sleeve with Z-Thread	3	18.00	Normal	1218653	24-03-2017	54.00
19	CV65-701	Anit Fog Glasses/lenses	1	2.45	Normal			2.45



# Reporting Data System

## HRG, Procedures and Diagnosis

HRG Description	Nc. of Consulta...	Avg Consumable C...	Avg No of Products	Avg No of Staff	Avg Minutes	No of Procedur...	Lower Quartile	Upper Quartile	Variance	Std Deviation
Major Mouth Or Throat Procedures, 19 Years And Over With Cc	5	£1,762	97	10	204	39	£133	£513	£22,417	£5,195
Major Mouth Or Throat Procedures, 19 Years And Over Without Cc	4	£1,959	70	7	180	19	£111	£250	£22,412	£5,606
Major Maxillo-Facial Procedures, 19 Years And Over	6	£825	96	9	225	56	£514	£1,173	£1,661	£453
Complex Major Maxillo-Facial Procedures	1	£857	173	19	212	2	£540	£1,173	£1,267	£896
Major Maxillo-Facial Procedures, 18 Years And Under	2	£775	90	8	169	10	£477	£1,065	£1,100	£381
Miscellaneous Vascular Procedures With Cc	1	£489	128	25	337	3	£186	£645	£921	£526
Intermediate Maxillo-Facial Procedures, 19 Years And Over Wit...	5	£282	59	7	89	30	£81	£438	£883	£250
Complex Major Mouth Or Throat Procedures, With Major Cc	2	£728	103	26	275	4	£609	£925	£856	£365
Intermediate Maxillo-Facial Procedures, 19 Years And Over Wit...	6	£219	63	7	89	28	£85	£364	£772	£202
Parathyroid Procedures Without Cc	1	£425	68	8	239	2	£277	£573	£593	£419
Complex Major Mouth Or Throat Procedures, With Intermediate Cc	1	£1,438	204	11	428	2	£1,290	£1,585	£591	£418
Intermediate Maxillo-Facial Procedures, 18 Years And Under	2	£198	59	6	69	4	£70	£265	£376	£178
Major Dental Procedures, 19 Years And Over	5	£127	53	7	60	66	£100	£148	£360	£51
Exteriorisation Of Trachea With Intermediate Cc	1	£167	53	19	79	3	£109	£244	£271	£140
Extraction Of Multiple Teeth, 19 Years And Over	5	£118	51	7	56	48	£95	£135	£160	£33
Surgical Removal Of Tooth, 19 Years And Over	5	£110	48	7	52	48	£89	£133	£152	£31
Minor Dental Procedures, 19 Years And Over	6	£99	51	7	56	16	£76	£118	£152	£42
Major Thoracic Procedures Without Cc	1	£140	42	8	101	2	£103	£175	£146	£103
Intermediate Nose Procedures, 19 Years And Over With Cc	3	£148	57	8	75	3	£109	£181	£144	£73
Major Surgical Removal Of Tooth, 19 Years And Over	5	£120	51	7	52	84	£97	£133	£141	£28
Other Procedures For Non-Trauma	4	£103	54	7	51	6	£65	£145	£139	£56
Minor Maxillo-Facial Procedures With Cc	4	£120	50	6	63	7	£91	£157	£133	£49
Intermediate Mouth Or Throat Procedures, 19 Years And Over Wit...	4	£122	64	8	101	7	£98	£150	£105	£40
Dental Excision Or Biopsy Procedures, 19 Years And Over	5	£99	45	8	53	37	£78	£120	£104	£27
Surgical Removal Of Tooth, 18 Years And Under	4	£113	54	8	56	5	£95	£135	£102	£39

# Reporting Data System

## HRG

HRG, Procedures and Diagnosis

↑ Procedure Description	No. of Consulta...	Avg Consumable C...	Avg No of Products	Avg No of Staff	Avg Minutes	No of Procedur...	Lower Quartile	Upper Quartile	Variance	Std Deviation
Surgical Removal Of Impacted Wisdom Teeth	5	£123	52	7	60	64	£98	£147	£248	£39
Autotransplantation Of Tooth	1	£387	84	9	126	1	£387	£387	£0	-
Excision Of Lesion Of Sublingual Gland (Salivary Gland)	1	£120	82	6	58	1	£120	£120	£0	-

## Procedure

HRG, Procedures and Diagnosis

↑ Diagnosis Description	No. of Consulta...	Avg Consumable C...	Avg No of Products	Avg No of Staff	Avg Minutes	No of Procedur...	Lower Quartile	Upper Quartile	Variance	Std Deviation
Anomalies Of Tooth Position	4	£146	47	6	99	6	£124	£172	£276	£83
Impacted Teeth	5	£122	52	7	54	39	£102	£148	£132	£31
Chronic Periodontitis	4	£109	49	7	50	13	£94	£140	£114	£33
Periapical Abscess Without Sinus	3	£78	44	6	60	3	£72	£36	£28	£14
Dental Caries, Unspecified	1	£58	48	8	49	1	£58	£58	£0	-
Embedded Teeth	1	£191	58	5	74	1	£191	£191	£0	-
Secondary And Unspecified Malignant Neoplasm: Lymph Node..	1	£143	63	10	130	1	£143	£143	£0	-

## HRG, Procedures and Diagnosis



Diagnosis Description ↑	No. of Consulta...	Avg Consumable C...	Avg No of Products	Avg No of of Staff	Avg Minutes	No of Procedur...	Lower Quartile	Upper Quartile	Variance	Std Deviation
Impacted Teeth	5	£122	52	7	54	39	£102	£148	£132	£31

## Consultant



Consultant Description	Avg Consumable C...	Avg No of Products	Avg No of of Staff	Avg Minutes	No of Procedur...	Lower Quartile	Upper Quartile	Variance	Std Deviation
Mr Chiu	£132	55	7	58	15	£111	£148	£65	£22
Mr D Laugharne	£128	53	5	19	1	£128	£128	£0	-
Mr P Korczak	£124	53	7	61	9	£102	£142	£66	£24
J Stenhouse	£122	49	7	68	4	£92	£150	£65	£35
Mr K Jones	£106	49	9	40	10	£73	£140	£122	£43

# Reporting Data System, Product Analysis / Variance...

Derby Teaching Hospitals



NHS Foundation Trust

## Products

Consultant Description	Mr Chiu		Mr P Korczak		J Stenhouse		Mr K Jones	
Product	Qty	Consumable Cost (£)	Qty	Consumable Cost (£)	Qty	Consumable Cost (£)	Qty	Consumable Cost (£)
1011971 - Pack Oral Extraction Royal Derby	10	£500	6	£300	2	£100	5	£250
Mdm33.51.021 - Bur	13	£164	5	£63	3	£38	6	£76
Sgp006 - Triple Large Synergy Gown Pack	15	£105	8	£56	4	£28	6	£42
D013010 - Oral Basic	3	£100	1	£33	-	-	2	£67
Pft466 - Ent Pack - Dri	11	£96	6	£52	1	£9	5	£44
D033120 - Disposable Sucker Frazier 12fg	15	£68	9	£41	4	£18	9	£41
D013002 - Oral Basic	3	£100	1	£34	-	-	-	-
Pte893 - Biogel Surgeons 7.0	45	£52	24	£28	12	£14	18	£21
E014510 - Oral Basic	1	£34	2	£68	-	-	-	-
D013007 - Oral Basic	1	£33	1	£34	-	-	1	£33
D013006 - Oral Basic	2	£66	-	-	-	-	1	£33
Pft489 - Max Fax Pack	3	£19	2	£13	4	£26	4	£26
Fdf099 - Portex Tracheal Tube Ivory Maxillo Facial 6.0mm (10/Pack)	6	£29	3	£14	2	£10	5	£24
Fvu066 - Vicryl Und 45cm M1.5 Us p4/0 Sgle Armed Ps-2	3	£10	7	£22	2	£6	10	£32
E014508 - Oral Basic	-	-	1	£34	1	£34	-	-
E014506 - Oral Basic	-	-	-	-	-	-	2	£68
D013003 - Oral Basic	1	£34	1	£33	-	-	-	-
D013011 - Oral Basic	-	-	2	£67	-	-	-	-
D013001 - Oral Basic	1	£33	-	-	1	£33	-	-
Fvu283 - Vicryl Rap Und 45cm M2 Us p3/0 Sgle Armed X-1	7	£21	3	£9	2	£6	6	£18
Ptr436 - Needle Blunt Fill With Filter 18gx1.5	64	£20	37	£12	12	£4	38	£12
Vcb094 - Level1s mi Snugglewarm Paediatric Blanket (10)	5	£29	-	-	2	£12	1	£6
038-94-540 - Larys eal Flexi Mask Size 4.0 Sterile Single Use	3	£20	2	£13	-	-	2	£13
E073403 - Intracutaneous 500 Kavo Drill System	1	£11	1	£11	1	£11	1	£11
Psb018 - V-Green Wide Bore Extension Line	13	£18	7	£10	3	£4	5	£7
E014503 - Oral Basic	1	£34	-	-	-	-	-	-
E014502 - Oral Basic	1	£34	-	-	-	-	-	-
E014507 - Oral Basic	-	-	-	-	1	£34	-	-
E014501 - Oral Basic	-	-	-	-	-	-	1	£34
D013009 - Oral Basic	-	-	-	-	-	-	1	£34
D013008 - Oral Basic	1	£33	-	-	-	-	-	-
D013005 - Oral Basic	-	-	-	-	1	£33	-	-
Fsp797 - Venflon Pro Safety 18ga 1.3mm	15	£13	9	£8	3	£3	9	£8
Fdd1025 - Inflatable Anaesthetic Face Mask (Size 4)	15	£11	9	£7	3	£2	9	£7
Pff150 - Duck Bill Valve Mini	15	£11	9	£6	3	£2	9	£6
038-41-355 - Bacterial/Viral Filter Adult + Hme & Luer Port	15	£9	9	£6	3	£2	9	£6
Fwp173 - Female Suction Tube	8	£7	4	£4	6	£5	7	£6
U02924tr0455198001 - Braun Microspeed Drill System - Ent Theatre	2	£11	1	£5	1	£5	-	-
Fdb136 - Yankauer Sucker Derby	8	£6	4	£3	6	£5	9	£7
Ns-111001 - Uni Glove (Light Handle)	5	£6	4	£4	3	£3	6	£7
Fsb1320 - Pre-Assembled Gravity Infusion Set	2	£5	2	£5	-	-	4	£10
Epe367 - Synthetic Padding Bandage	15	£8	9	£5	3	£2	9	£5
Fsm1376 - Briteblade Eva Fibre Optic Macintosh Size 4 Blade	2	£6	1	£3	2	£6	1	£3
Fvu332 - Vicryl Rap Und 75cm M1.5 Us p4/0 Sgle Armed Ps-2 Prime	2	£9	1	£4	1	£4	-	-
Fka083 - Intrafix Safeset	13	£8	7	£4	3	£2	5	£3
Fvu326 - Vicryl Rap Und 75cm M2 Us p3/0 Sgle Armed Ps-2 Prime	2	£9	1	£4	1	£4	-	-
E032106 - Surgairtome	-	-	-	-	-	-	3	£17
D034510 - Surgairtomes	-	-	1	£6	-	-	2	£11
Els064 - Surgical Haemostat 5x7.5cm	-	-	1	£17	-	-	-	-
Ptr353 - Stimuplex Insulated Needle 22g	1	£8	-	-	1	£8	-	-
Fwc021 - Syringe Luer Slip 20ml	68	£6	41	£4	16	£1	45	£4
Fdr128 - Vacsax Advanced 2000ml Cap Green	5	£6	1	£1	4	£5	2	£2
Vcb093 - Level1s mi Snugglewarm Full Body Blanket (10)	2	£12	-	-	-	-	-	-
D034511 - Surgairtomes	2	£11	-	-	-	-	-	-
D034501 - Surgairtomes	2	£11	-	-	-	-	-	-
E014201 - Extraction Forceps Tray	-	-	1	£11	-	-	-	-

# SUI – Clinical Management

Derby Teaching Hospitals



NHS Foundation Trust

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## hTrak Report

Patient Ref: 20000468

Procedure Date: 20-08-2015

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Patient Class:	NHS	Facility:	DCSURG2
Operation Type:	Elective	Facility Cost:	20.00
		Hand Held User:	JARRETT ROBERT

Procedure Codes					
Procedure	Item Codes	Theatre Band	Band Amount	Hand Held User	Scan Date/Time
Speciality - MaxFax	MaxFax			JARRETT ROBERT	20-08-2015 09:34:26
Excision of lesion of skin of head or neck NEC	S065			JARRETT ROBERT	20-08-2015 17:01:21
Other specified excision of mandible	V148			JARRETT ROBERT	20-08-2015 09:35:33
Total prosthetic replacement of temporomandibular joint	V201			JARRETT ROBERT	20-08-2015 09:35:19
Other specified other operations on temporomandibular joint	V218			JARRETT ROBERT	20-08-2015 09:35:47
Bilateral operation	Z941			JARRETT ROBERT	20-08-2015 09:36:01

Procedure Timing				
Timing Point Name	Date & Time Stamp	Hand Held/HRS User	Facility Usage Duration	Procedure Duration
Anaesthetic Start	20-08-2015 08:55:00	JARRETT ROBERT	(HH:MM:SS)	(HH:MM:SS)
Into Theatre	20-08-2015 09:31:00	JARRETT ROBERT	08:15:00	07:07:00
Start of Procedure	20-08-2015 09:42:00	JARRETT ROBERT		
End of Procedure	20-08-2015 16:49:00	JARRETT ROBERT		
Out of Theatre	20-08-2015 17:10:00	TREECE MICHELLE		

Attending Staff				
Staff ID	Staff Name	Staff Type	Staff Role	Duration
10705996	PEGG IONA	Theatre Practitioner	Scrub Practitioner	08:15:00
10708823-2	YOUNG WENDY	Theatre Practitioner	ODP	08:15:00
10709402	CHESSHIRE NICHOLAS	Anaesthetist	Anaesthetist	08:15:00
10712453-2	JARRETT ROBERT	Health Care Assistant	Health Care Assistant	08:15:00
10713251	CAJUDO EUGENE	Theatre Practitioner	Scrub Practitioner	08:15:00

Patient Ref: 20000468  
 Procedure Date: 20-08-2015  
 Hospital: Derby Hospital  
 Department: General Theatres

Description of Incident: Use of Nerve Stimulator



# SUI – Clinical Management ctd...

Derby Teaching Hospitals



NHS Foundation Trust

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hTrak Report

Patient Ref: 20000468

Procedure Date: 20-08-2015

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Staff ID	Staff Name	Staff Type	Staff Role	Duration
10717765	KORCZAK PETER	Consultant	Session Consultant	08:15:00
20192998-2	MCKEVITT KATHRYN	Theatre Practitioner	ODP	08:15:00
21264330	TREECE MICHELLE	Health Care Assistant	Health Care Assistant	08:15:00
23147791-2	SALHA RAMI	Surgeon	Surgeon 1	08:15:00
24685788	CHARADVA HEMAL	Surgeon	Surgeon 3	08:15:00
24686159	SAFDAR SAQIB	Surgeon	Surgeon 3	08:15:00
25128376	SELBONG UTHAYA	Surgeon	Surgeon 2	08:15:00

Anaesthetic			
Anaesthetic Key	Anaesthetic Description	Hand Held User	Scan Date/Time
GENANAES	General Anaesthetic	JARRETT ROBERT	20-08-2015 08:18:46

Time Out Questions			
Time Out Question	Answer	Hand Held User	Answer Date/Time
Delay Reasons	Bed availability - Step-down Bed	JARRETT ROBERT	20-08-2015 09:36:28
Procedure Outcome	Completed as planned	JARRETT ROBERT	20-08-2015 11:12:36

Products Used								
Item No.	Supplier Product Code	Description	Qty	Price	Consumption Type	Lot No.	Expiry Date	Ext. Price
1	0033120	Disposable sucker Frazier 12FG	1	3.80	Normal			3.80
2	0302DC009703	Mr Korczak's Obwegesar Periosteal Elevator Set	1	5.57	Normal	0302DC009703		5.57
3	1012309EA	Small Swabs 10*7.5cm 32 Ply	5	0.70	Normal			3.50
4	24-6610	DRILL 1.5 X 50 11MM STP J-NOTCH	1	44.00	Normal			44.00
5	24-6614	DRILL 2.0 X 70 12 STP J-NOTCH	1	64.00	Normal			64.00
6	28170	COTTON WOOL BALLS LARGE X5 (1011449)	1	0.88	Normal			0.88
7	91-2710	CROSS DRIVE EMERGENCY SCREW 2.7X10MM HT	12	25.00	Normal	912710		300.00
8	91-2712	CROSS DRIVE EMERGENCY SCREW 2.7X12MM HT	2	25.00	Normal	912712		50.00
9	99-6579	FOSSA CROSS DRIVE SCREW 2.0X9mm	1	52.00	Normal	996579		52.00

Patient Ref: 20000468

Procedure Date: 20-08-2015

Hospital: Derby Hospital

Department: General Theatres



# SUI – Clinical Management ctd...

Derby Teaching Hospitals



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hTrak Report

Patient Ref: 20000468

Procedure Date: 20-08-2015

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Patient Ref: 20000468

Procedure Date: 20-08-2015

Hospital: Derby Hospital

Department: General Theatres

Item No.	Supplier Product Code	Description	Qty	Price	Consumption Type	Lot No.	Expiry Date	Ext. Price
10	99-6581	FOSSA CROSS DRIVE SCREW 2.0X11mm	11	52.00	Normal	996581		572.00
11	E013903	Facial Tray	1	48.54	Normal	E013903		48.54
12	E015602	Wiring of Jaw	1	26.10	Normal	232229606		26.10
13	E015702	Zimmer Micro Air Saw	1	11.15	Normal	E015702		11.15
14	E070201	Mr Jones Freers Elevators	1	5.46	Normal	232036342		5.46
15	E078401	OSTEOTOMY TRAY SET 1	1	26.10	Normal	232246974		26.10
16	ELW054	IV3000 Moisture Responsive Film Cannula Dressing One Hand Application 10cm x 12cm Sterile X50	2	1.61	Normal			3.23
17	ELW213	Tegaderm 10cm x 12cm	1	0.61	Normal			0.61
18	FKA412	Foley catheter with temp probe 12fr	1	7.53	Normal			7.53
19	FSF325	SWANN-MORTON NO 10 Carbon Sterile Blades	4	0.08	Normal			0.30
20	FTE893	Biogel Surgeons 7.0	2	1.16	Normal			2.31
21	FTR044	Needles 21G x 1 1/2" - Nr 2	1	0.02	Normal			0.02
22	FVS030	ETHILON BLU 45CM M1 USP5/0 SGLE ARMED PC-3 PRIME	4	2.12	Normal	JAB832	31-07-2019	8.46
23	FVU066	VICRYL UND 45CM M1.5 USP4/0 SGLE ARMED PS-2	7	3.18	Normal	JD5GCXM	30-06-2020	22.23
24	FVU408	VICRYL VIO 12X45CM M3 USP2/0 NON NEEDLED	1	6.07	Normal	JA8GPRR0	30-06-2020	6.07
25	FWC021	SYRINGE LUER SLIP 20ml	2	0.09	Normal			0.19
26	FWC128	10ml Syringe	1	0.06	Normal			0.06
27	FWP173	Female Suction tube	1	0.88	Normal			0.88
28	FWV163	Urine Bag 500ml	2	4.71	Normal			9.42
29	IJ022207	PACK CATHETER (1011938) ST	1	1.97	Normal			1.97
30	MDM5023141.LH	OSC/SAG BLADE	1	24.50	Normal			24.50
31	NS-111001	Uni Glove (Light Handle)	1	0.92	Normal			0.92
32	PFT489	MAX FAX PACK	1	6.42	Normal			6.42
33	S92-145	MICRODRIV RECIP.BLADE	1	12.70	Normal			12.70
34	SU00074490	Mr Sharps Jamesons Scissors x 2	1	1.98	Normal	232244465		1.98
35	SU00131946	Magna Drape (ENT Th)	1	1.98	Normal	SU00131946		1.98
36	TMJ-FOSSA-DERBY	TMJ Fossa ( Custom Made for Derby)	1	4,250.00	Normal	534650		4,250.00
37	TMJ-FOSSA-DERBY	TMJ Fossa ( Custom Made for Derby)	1	4,250.00	Normal	534670		4,250.00

**hTrak Report Patient Ref: 20000468**

**Procedure Date: 20-08-2015**

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Item No.	Supplier Product Code	Description	Qty	Price	Consumption Type	Lot No.	Expiry Date	Ext. Price
38	TMJ-MANDIBLE-DERBY	TMJ Mandible (Custom Made for Derby)	1	4,250.00	Normal	534640		4,250.00
39	TMJ-MANDIBLE-DERBY	TMJ Mandible (Custom Made for Derby)	1	4,250.00	Normal	534660		4,250.00
40	TMJLOAN	TMJ Loan Set Fee	1	410.00	Normal	TMJLOAN		410.00
41	U000670499118	GEN/ENT theatre consumable pack	1	0.00	Normal	U000670499118		0.00
42	U02924EX0468324	1 x Pencil - ENT Theatre	1	1.55	Normal	U02924EX0468324		1.55
43	VJD2678	OPSITE INCISE DRESSINGS Wound & Incise Drape Transparent Film Dressings Green Handle Application 28cm x 45cm Sterile X10	1	4.70	Normal			4.70
44	VJH489	OP-tape 9x49cm	3	0.43	Normal			1.28
Product Totals			88					18,742.41

**Name:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Patient Ref: 20000468**

**Procedure Date: 20-08-2015**

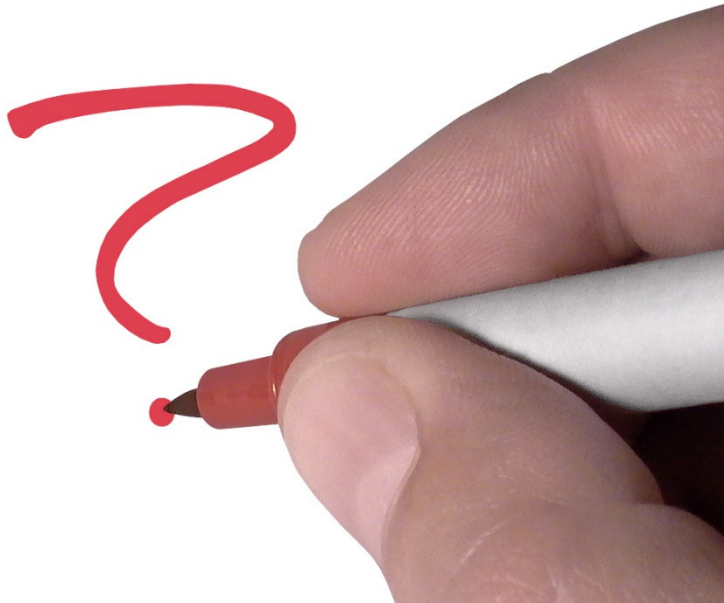
**Hospital: Derby Hospital**

**Department: General Theatres**

# Questions?

# HPAC Questions & Contact Details

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