

# Developments in Operational Procurement Efficiency

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July 2017

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Royal Cornwall Hospitals   
NHS Trust

# Aims of the Session

## GS1 Scan4Safety and PEPPOL

- The Scan4Safety and PEPPOL principles?
- What does purchase to pay mean?
- What does Scan4Safety and GS1 mean for RCHT?

## Managing Contracts

- The benefits of managing off contract purchases.

# What is PEPPOL?

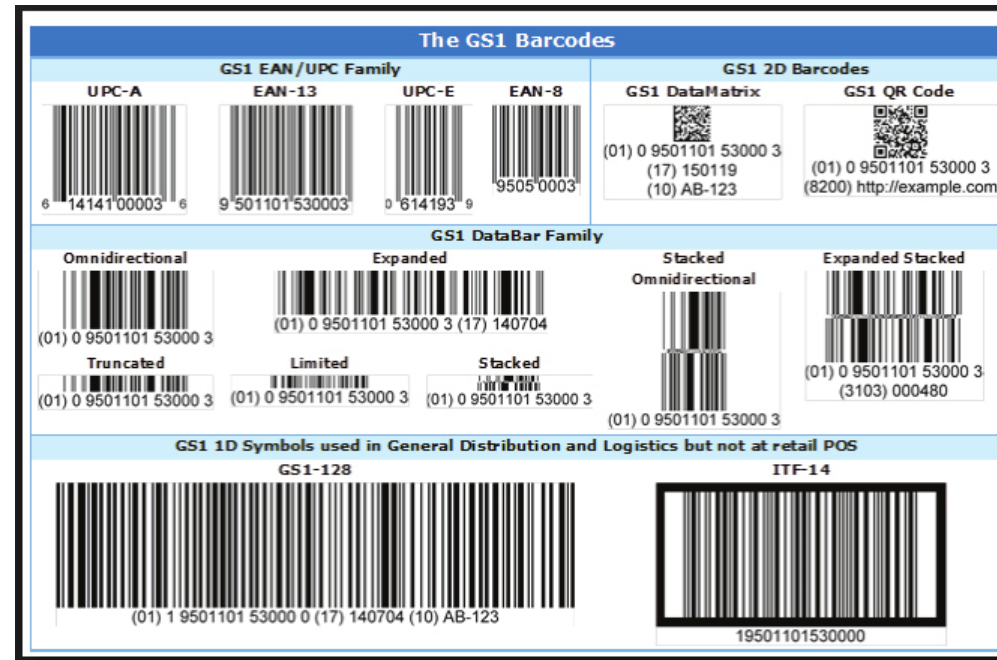
- Pan European Public Procurement online
- 'Machine to Machine'
- eCommerce
- Specifications and standards that allow businesses to deal easily electronically.

# What is GS1?



- Stands for 'Global Standard'
- Unique identifier numbers used in bar-codes, RFID and product data management.
- Support supply-chain and healthcare.
- Badged as '**Scan4Safety**' for NHS deployment

- GTIN – Global Trade Item Number  
- Product identifier (EAN 13, 2D)



# GS1 in Food Industry



# GS1 Vision in Healthcare

<https://www.youtube.com/watch?v=IlpfNeKz9Ck>

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# GS1 S4S Adoption Objectives

- Improved patient safety
- Releasing time to Care
- Improved Efficiency



# Where GS1 S4S codes will be used

- Patient Identification (GSRN)
- Location Numbering (GLN)
- Catalogue Management (GTIN)

## Pharmacy role in the implementation to support the GS1 S4S program

- “E” ordering (ecommerce systems)
- “E” receipting (via barcodes)
- “E” invoicing (ecommerce systems)
- “E” dispensing (EPMA – Electronic Prescribing and Medicines Administration)

# At RCHT We've Got All the Gear!

DESP - Dispenser

Location: Royal Cornwall Combined Store ☐ Retain Cost Centre for Inpt Patient

Patient: **POOR JAC TEST**

Stock: ☐

Hospital No: 0124728 National No:  Date of Birth: 24-Mar-1939

Consultant: MR BOOK CHOUIE Ward: BOTOX WARD

Issue Type: Cost Centre:  Ward:

Inpatient: ☐ BOTOX WARD ☐ BOTOX WARD

| Date        | Item                        | Quantity       | Cost Centre/Rebate Type | Label Directions | Time     |
|-------------|-----------------------------|----------------|-------------------------|------------------|----------|
| 18-Nov-2015 | PROPLORACTIM (COPPER TRIAL) | 1 x 1 Practice |                         |                  | 16:57:47 |



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DISP - Dispenser

Location: Royal Cornwall Combined Store ☐ Retain Cost Centre for next Patient

Ⓜ Patient: FOUR JAC TEST

Ⓞ Strong

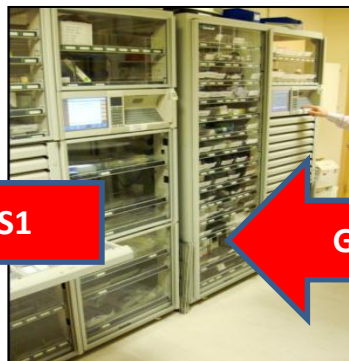
Hospital No. 01242758 National No. Date of Birth 31-Mar-1959

Consultant: MR BOOK CHOUDHIE Ward: BOTOX WARD

Invest Type: Inpatient Cyst Centre: BOTOX WARD

| Date       | Item                       | Quantity    | Cost Centre/Reorder Type | Label Directions | Time  |
|------------|----------------------------|-------------|--------------------------|------------------|-------|
| 03-04-2016 | H2P50L030CHTM (GPHR TRAIL) | 1 x 1 Pouch |                          |                  | BOTOX |

Buttons: Patient Search, Patient Print, Patient Info, Patient Details, Lab Results, Conflict Log, Clinical Info, Report a Lab, Compliance Log, Spend Shop, Close, Exit



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## Welcome to the Pharmacy Ordering Portal

Please select from the following options

### My Orders

Add new orders and view my pending orders...

Add Order »

### View Orders

View active orders by ward...

View Orders »

### Pharmacy Worklist

Orders awaiting action by Pharmacy...

Show Orders »

### Pharmacy Fluids Worklist

Fluid/Feed Orders awaiting action by Pharmacy...

Show Orders »

## RCHT- Electronic Drug Ordering

### Scan4Safety

ALREADY VERIFIED

Drugs Requested on JAC by Notes 27/02/2014 08:30 to 27/02/2014 09:00

Please suppress note on JAC after drug is supplied to ward

**BOTOX WARD**

Hospital No Patient name Verified Note

|         |                              |   |   |   |
|---------|------------------------------|---|---|---|
| C804047 | EDISCHARGE, MAXIMS<br>NINETY | ✓ | Stock at RCCS: 11 containers 0 du at ROBOT<br>Stock at RCCS: 0 containers 0 du at ROBOT<br>DOXYCYCLINE 100 mg Capsules STAT dose<br>100 mg oral | Ordered by: MRS ESTHER DRYDEN<br>Clinically checked by: MR IAN NICHOLLS<br>Dispensed by:<br>Checked by:   |
| C804047 | EDISCHARGE, MAXIMS<br>NINETY | ✓ | Stock at RCCS: 44 containers 0 du at ROBOT<br>AMOXICILLIN 500 mg Capsules<br>500 mg oral THREE times a DAY (Morning, Lunchtime + Night)         | Ordered by: MRS ESTHER DRYDEN<br>27/02/2014 08:42<br>urgently required<br>ASAP ASAP<br>Clinically checked by: MR IAN NICHOLLS<br>Dispensed by:<br>Checked by: |

**CRITICAL MEDICINE**

**CRITICAL MEDICINE**

**CRITICAL MEDICINE**

**CRITICAL MEDICINE**

# RCHT- Electronic Drug Ordering

## Scan4Safety- safer and more efficient

|  | %age Error Rate/ Month   |
|--|--|
| Monthly Dispensing and Error Rate <b><u>Pre</u></b> Electronic Non-Stock Implementation (13-14)  | 0.012<br><small>(one error for every 8,333 items dispensed)</small>  |
| Monthly Dispensing and Error Rate <b><u>Post</u></b> Electronic Non-Stock Implementation (13-14) | 0.005<br><small>(one error for every 20,000 items dispensed)</small> |

|                                | Percentage of Workload Dispensed before 10.30am |
|--------------------------------|---|
| Pre-implementation (Oct 13)    | 23%   |
| Post-implementation (March 14) | 35%   |

# eCommerce in Pharmacy

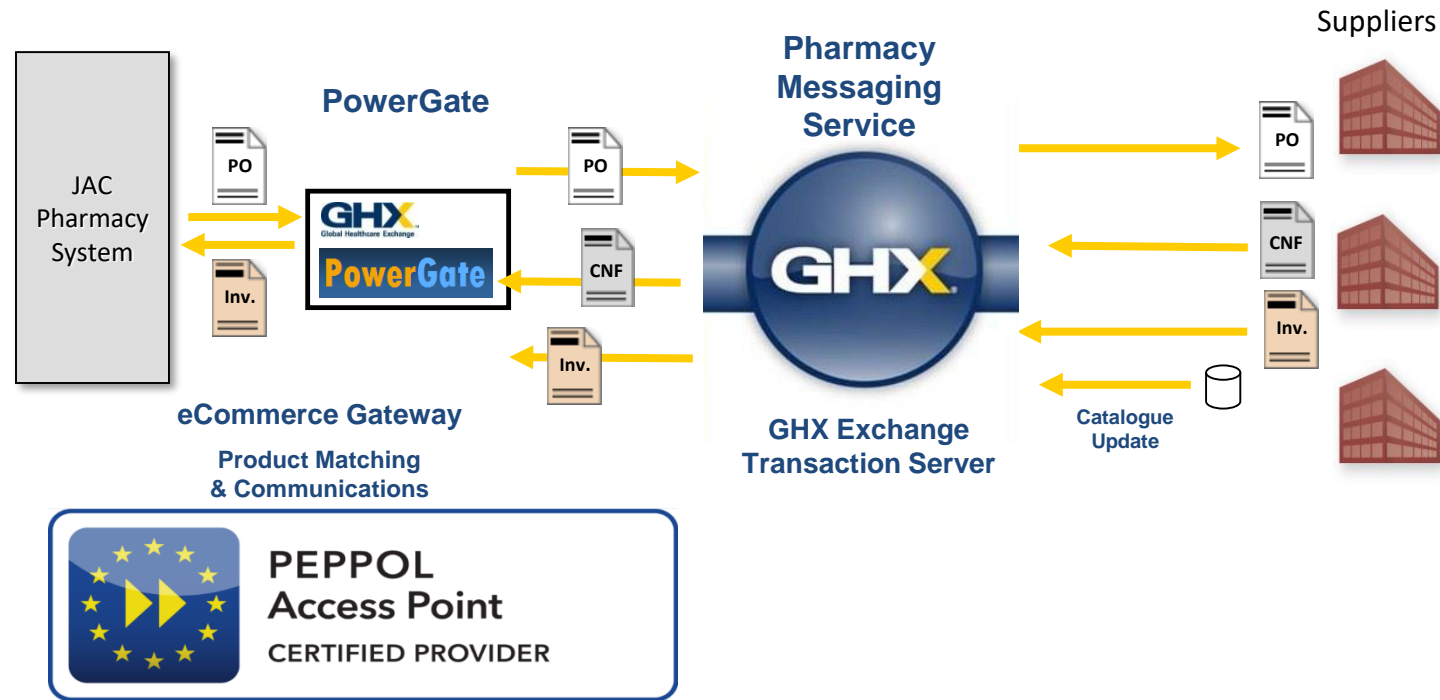


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# Overview: e-trading in RCHT Hospital Pharmacy



## Lord Carter Review and the Hospital Pharmacy Transformation Programme.

Trusts should, through a Hospital Pharmacy Transformation Programme, develop plans by April 2017 to ensure hospital pharmacies achieve their benchmarks such as increasing pharmacist prescribers, e-prescribing and administration, accurate cost coding of medicines and consolidating stock-holding by April 2020, in agreement with NHS Improvement and NHS England so that their pharmacists and clinical pharmacy technicians spend more time on patient-facing medicines optimisation activities;

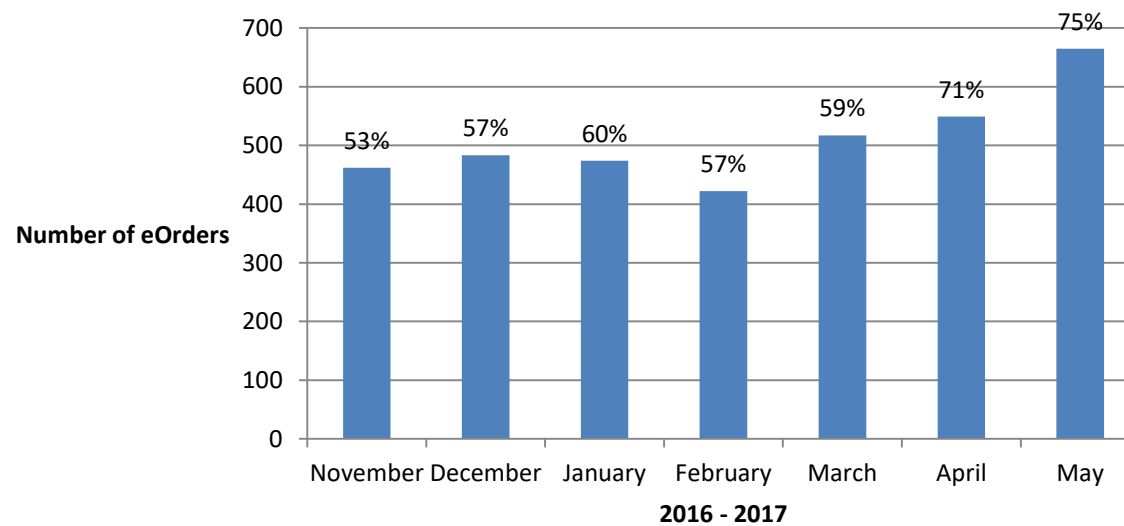
g) consolidating medicines stock-holding and modernising the supply chain to aggregate and rationalise deliveries to reduce stock-holding days from 20 to 15, deliveries to less than 5 per day and ensuring 90% of orders and invoices are sent and processed electronically; and,

d) trusts focusing on the measurement of key procurement metrics and being responsible for driving compliance to the following targets by September 2017: 80% addressable spend transaction volume on catalogue, 90% addressable spend transaction volume with a purchase order, 90% addressable spend by value under contract;

# eOrdering

- eOrdering

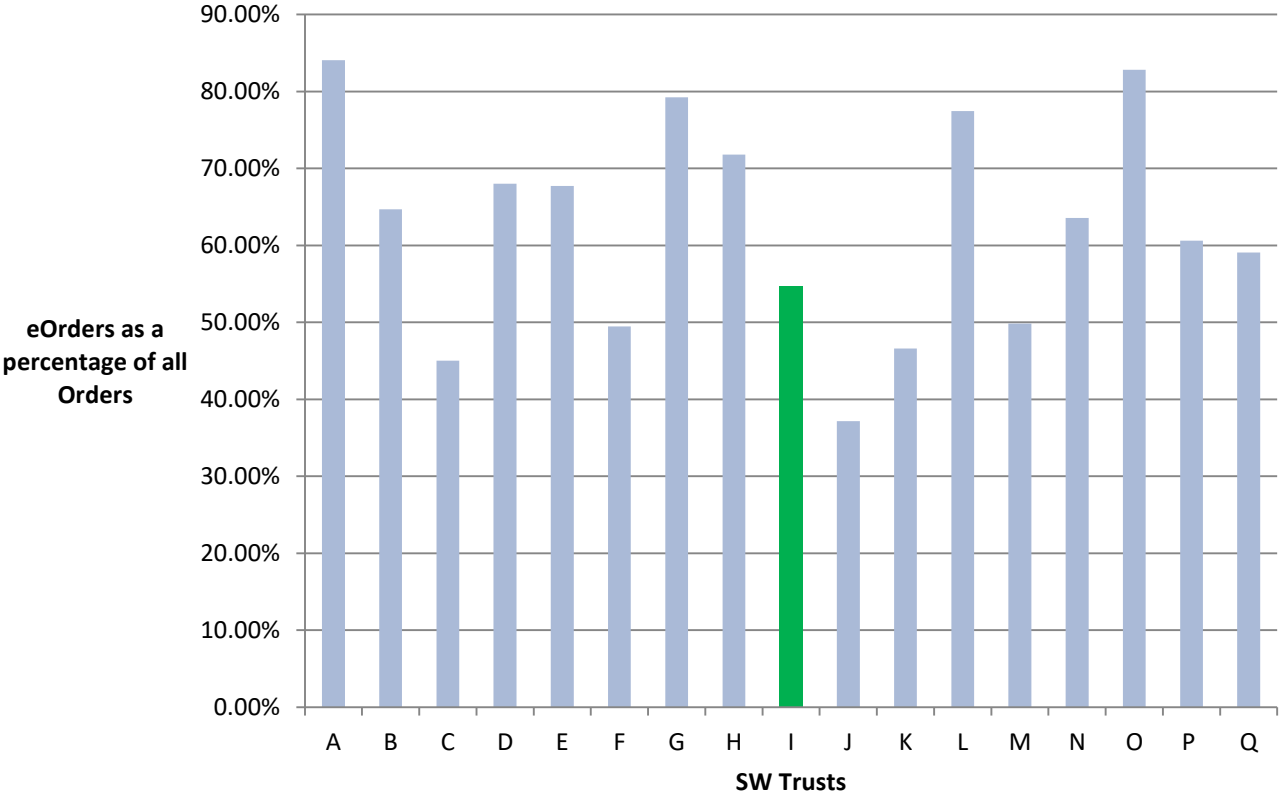
## Royal Cornwall Hospitals NHS Trust - Treliske



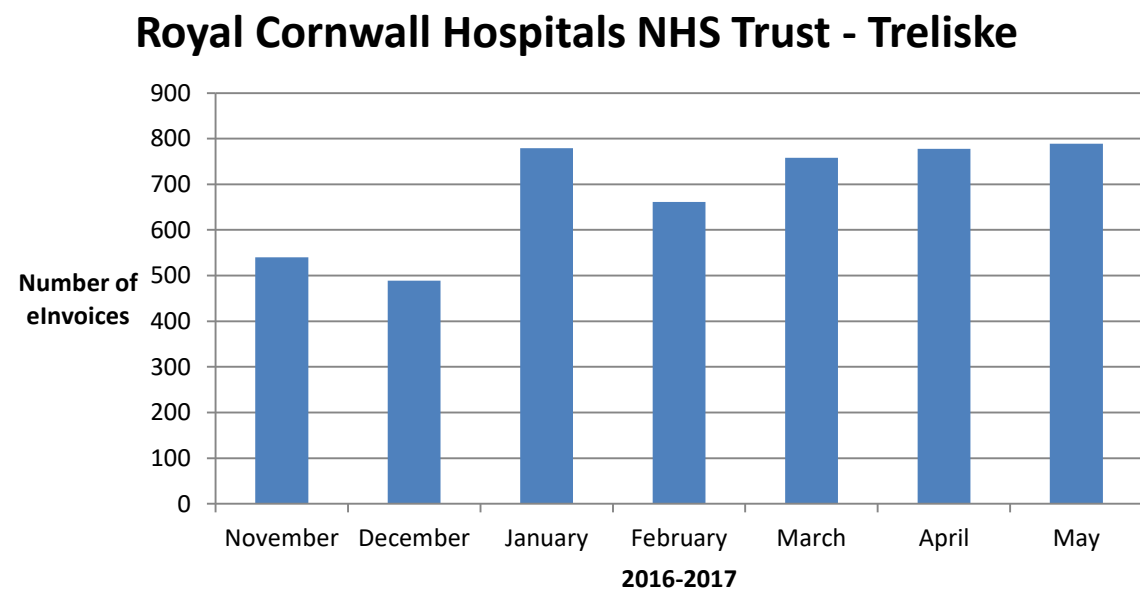
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# Regional eOrdering metrics 2016-2017



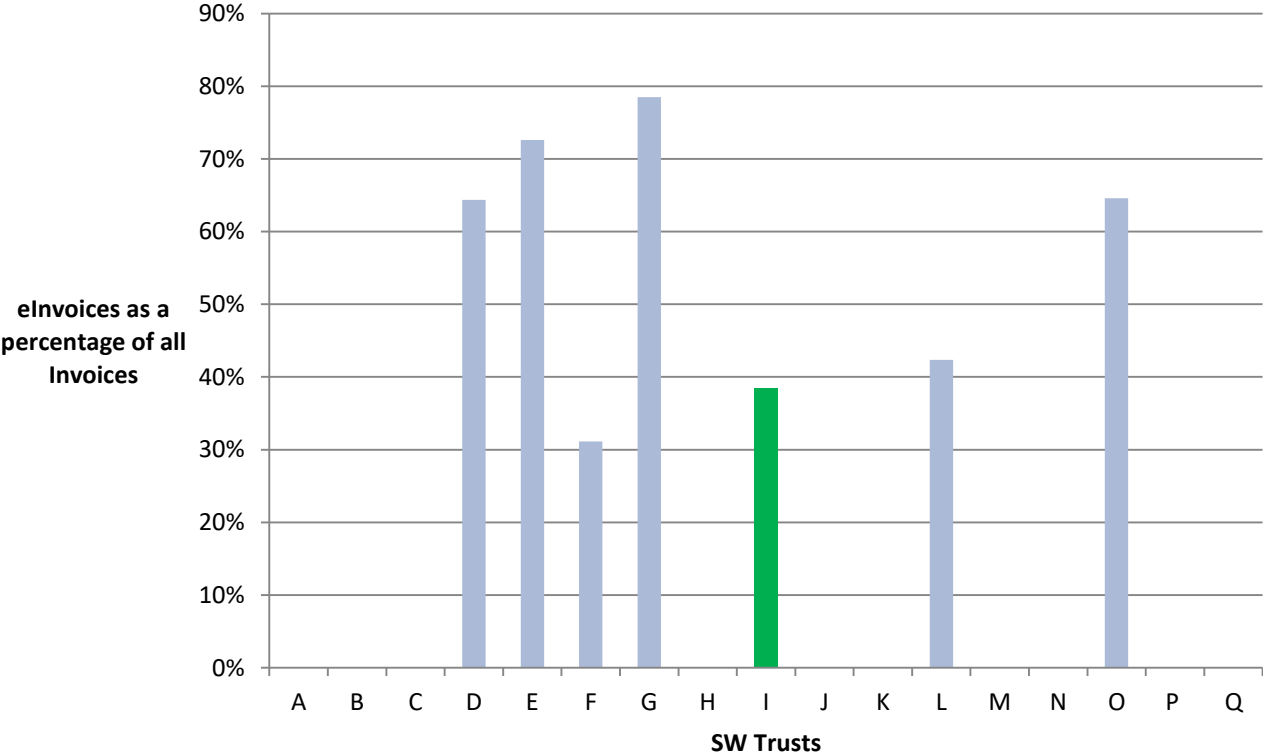
- eInvoicing



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# Regional eInvoicing metrics 2016-2017



# Benefits and Issues of eTrading

## Benefits

- Minimises manual intervention
- Minimises errors
- Faster process
- Streamlined through to finance
- More accurate ordering

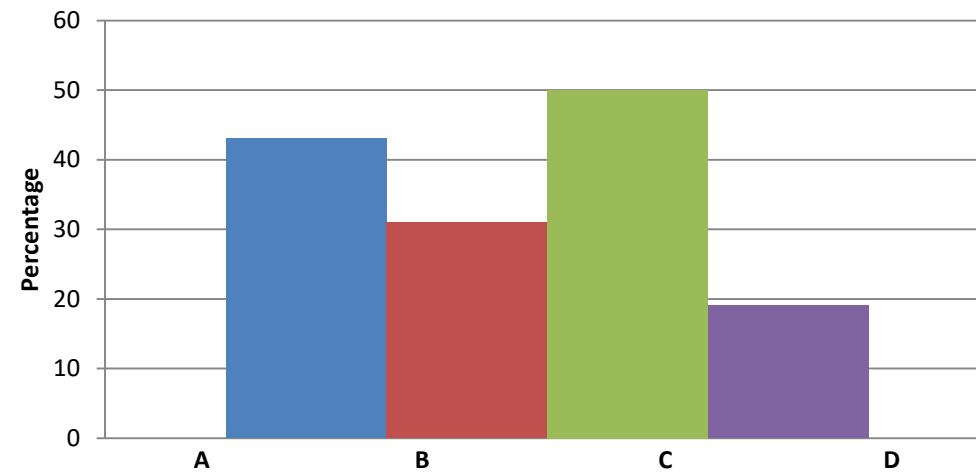
## Issues

- Product shortages and off contract purchases
- Extra information on an invoice
- Contract changes
- Finance processes and SFIs

| eInvoicing metrics between 13/3/2017 and 24/03/2017 inclusive                           | Wholesaler |           |           |           |
|---|------------|-----------|-----------|-----------|
|   | A          | B         | C         | D         |
| Total number of eInvoices processed through PowerGate                                   | 394        | 174       | 87        | 42        |
| Total number of eInvoices processed successfully  | 226        | 120       | 43        | 34        |
| Total number of invoices rejected due to extra information on Invoice ie TF or Switch   | 75         | 0         | 0         | 0         |
| Total number of invoices rejected due to price differences                              | 84         | 53        | 44        | 8         |
| Total number of invoices rejected for other reasons ie Phone orders/ clearing aged debt | 9          | 1         | 0         | 0         |
| <b>% of failed eInvoices</b>  | <b>43</b>  | <b>31</b> | <b>50</b> | <b>19</b> |



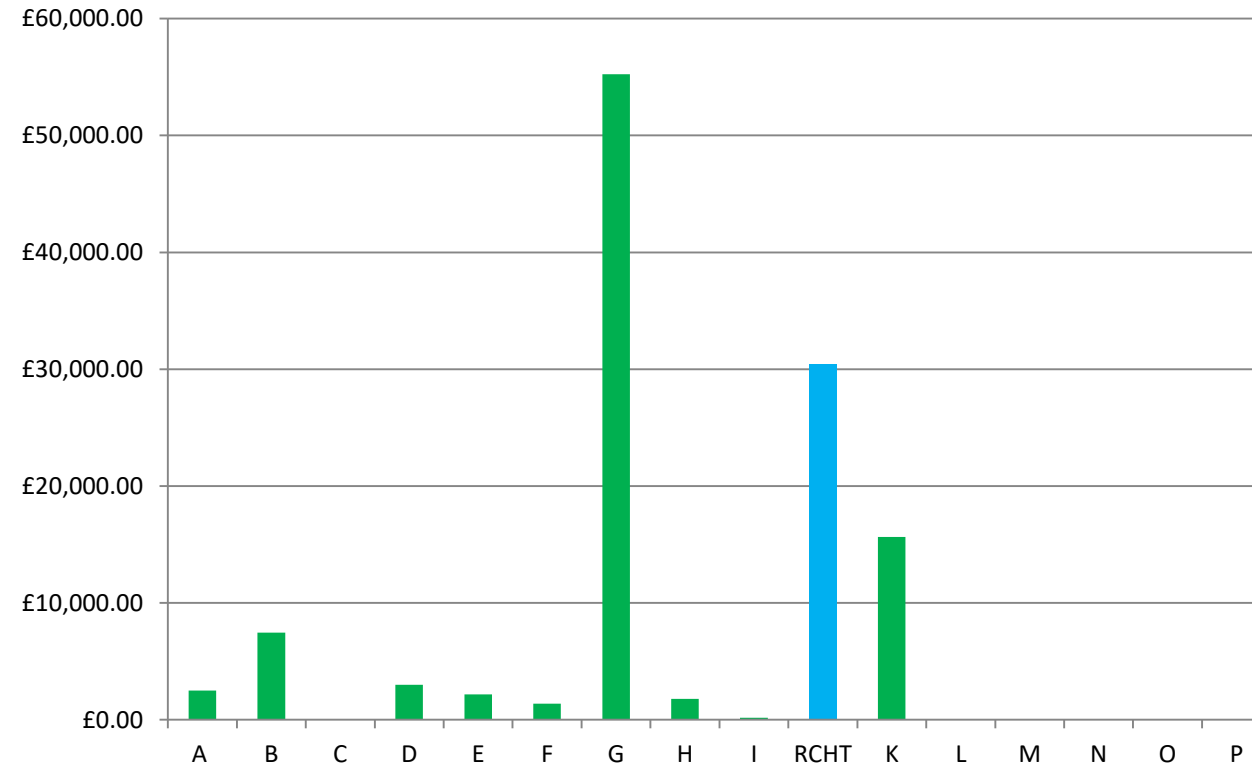
## Percentage of Failed Invoices by Wholesaler



# Why have a contract for medicines?

- Benefits of purchasing from a contract
- Purchasing off contract
- Financial benefits of managing off contract claims

## Off Contract Claims 2016-2017

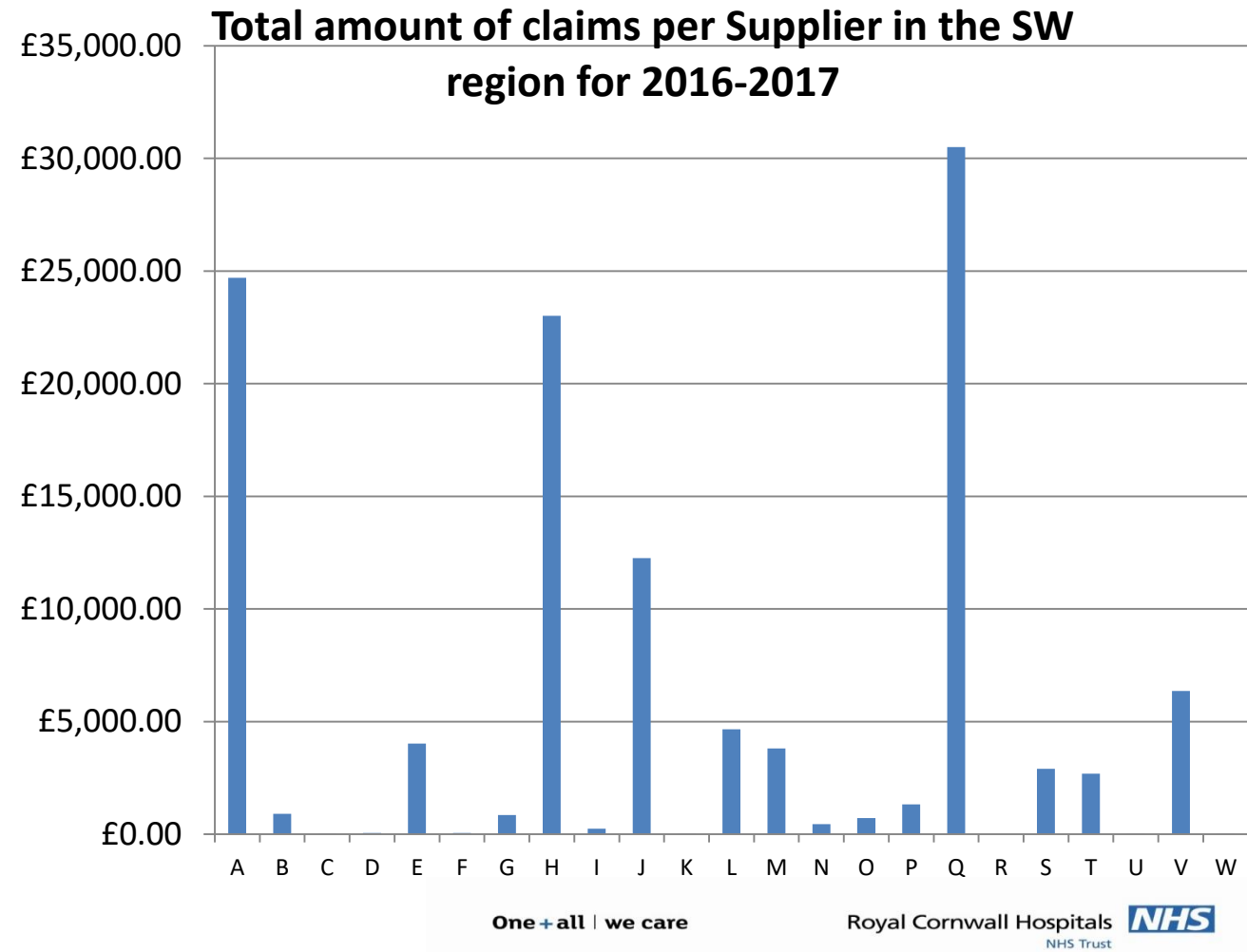


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Thanks for Listening!



Any Questions?

## dm+d data model

