Leveraging GS1 Standards

6 April 2017

Cleveland Clinic Abu Dhabi (CCAD) is a physician-led medical facility with

364 beds and state-of-the-art amenities.

Our mission is to provide compassionate, patient-centered care of the **highest quality**.

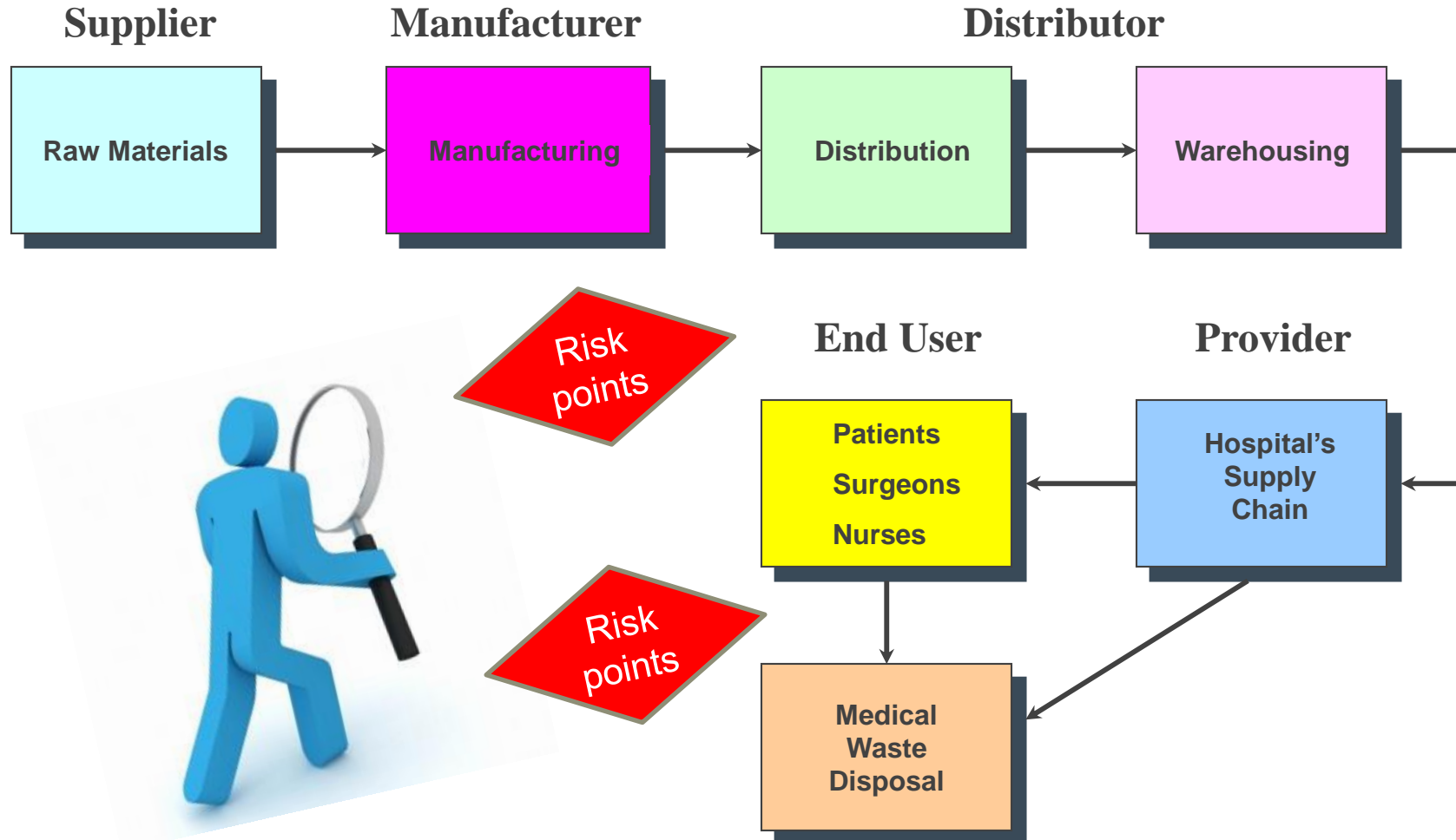**Patient Safety** is our priority

Joint Commission Standard GLD.7.1

"Hospital leadership seeks and uses data and information on the <u>safety of the supply chain for drugs, medical technology and supplies to protect patients and staff from contaminated, fake and diverted products</u>".

1. Identifies the supply chain of critical supplies and medical technology

2. Evaluates the integrity of each supplier in that chain

3. Makes resource decisions based on their understanding of the risks in the supply chain

4. Tracks critical supplies to prevent diversion or substitution

Measurable Elements of GLD.7.1
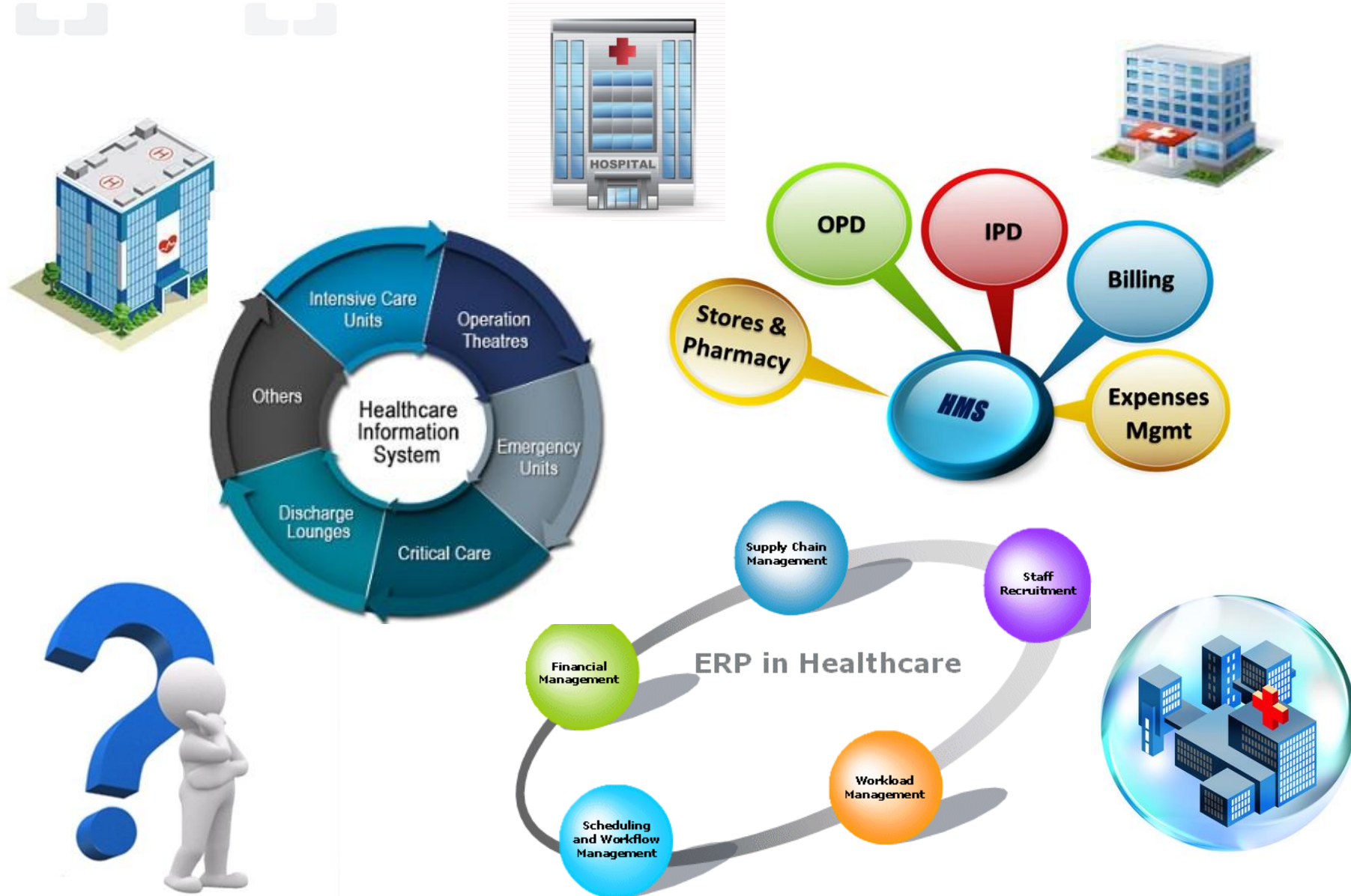
Healthcare Supply Chain Pipeline

Supplier

Manufacturer

Distributor

Raw Materials → Manufacturing → Distribution → Warehousing

Risk points

End User

Provider

Patients Surgeons Nurses ← Hospital's Supply Chain

Risk points

Medical Waste Disposal

4

TRACK

EYE BANK

Risk points

Risk points

TRACE

Data Management

CCAD – GS1 Project Milestones

Timeline: Q1 2016 | Q2 2016 | Q3 2016 | Q4 2016 | Q1 2017 | Q2 2017 | Q3 2017 | Q4 2017 | 2018

| Warehouse Survey | Contact Brands | Training | Site St. James Hospital | System Interface | System Test | System Go Live |
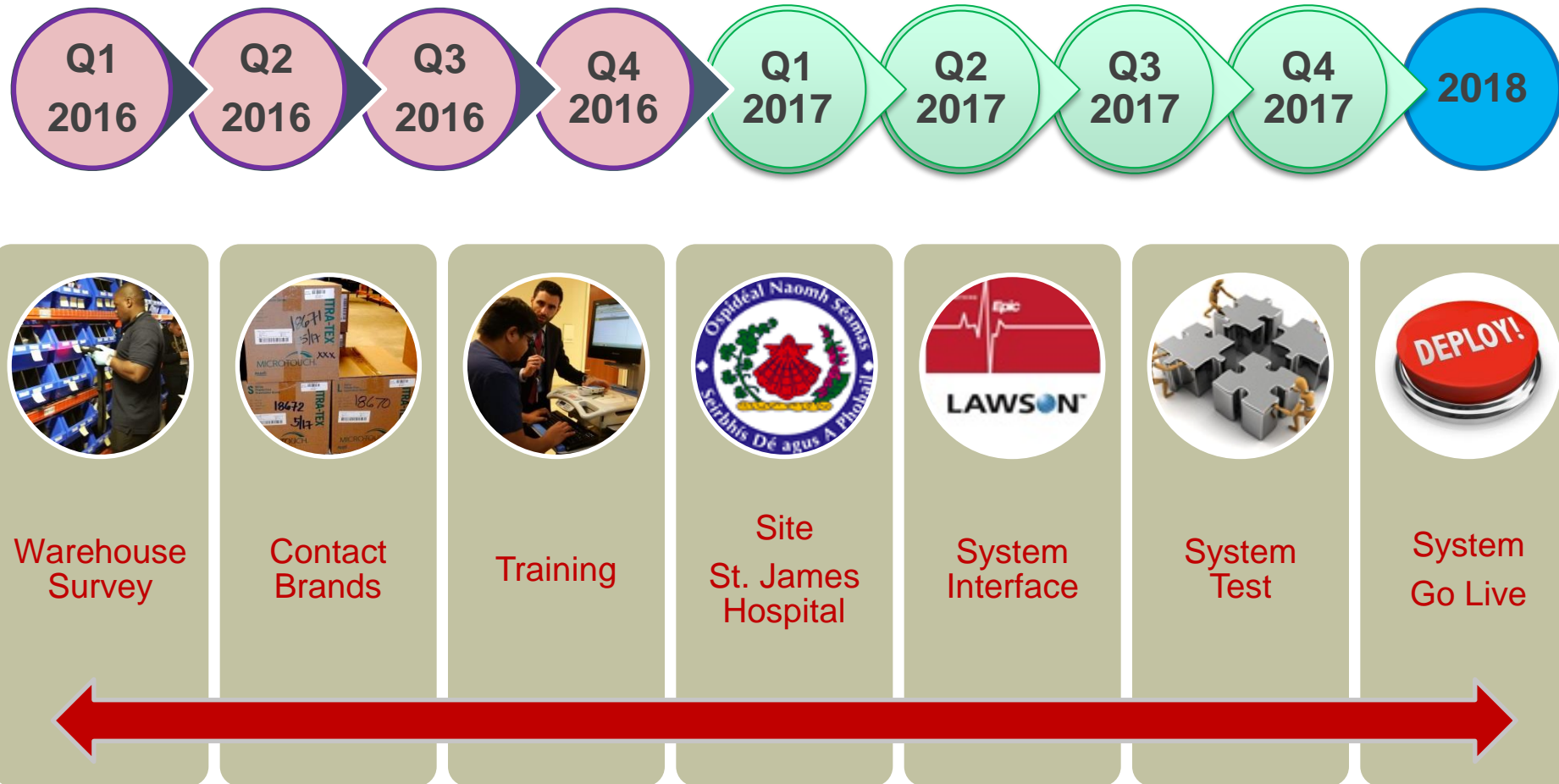
Warehouse Survey

Warehouse Survey

GS1 Compliance

- **10981** — Total number of lines active lines items
- **7009** / **64%** — Total number of lines items complaint to GS1
- **3972** / **36%** — Total number of lines items non complaint to GS1
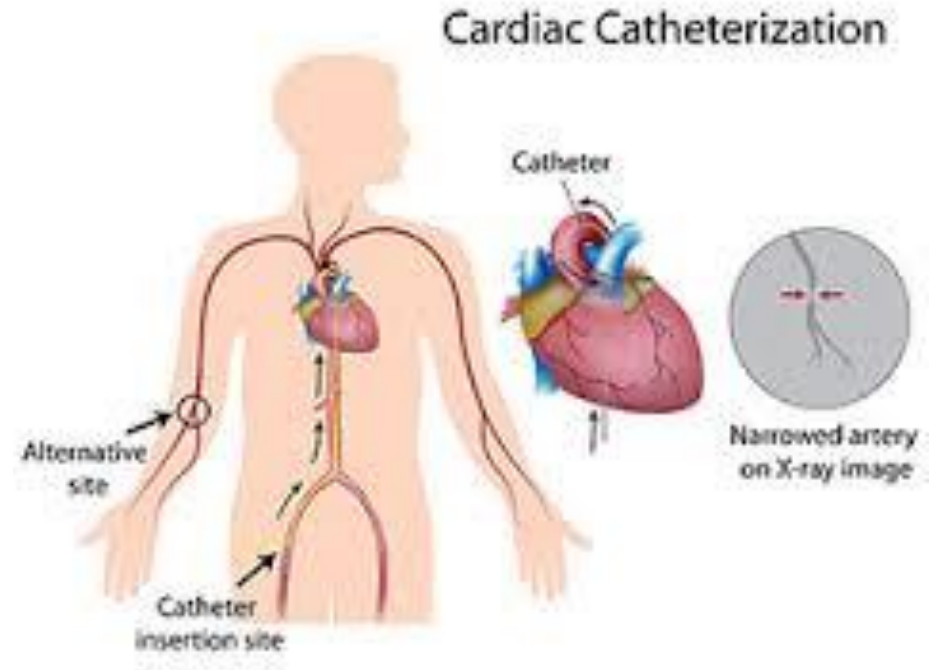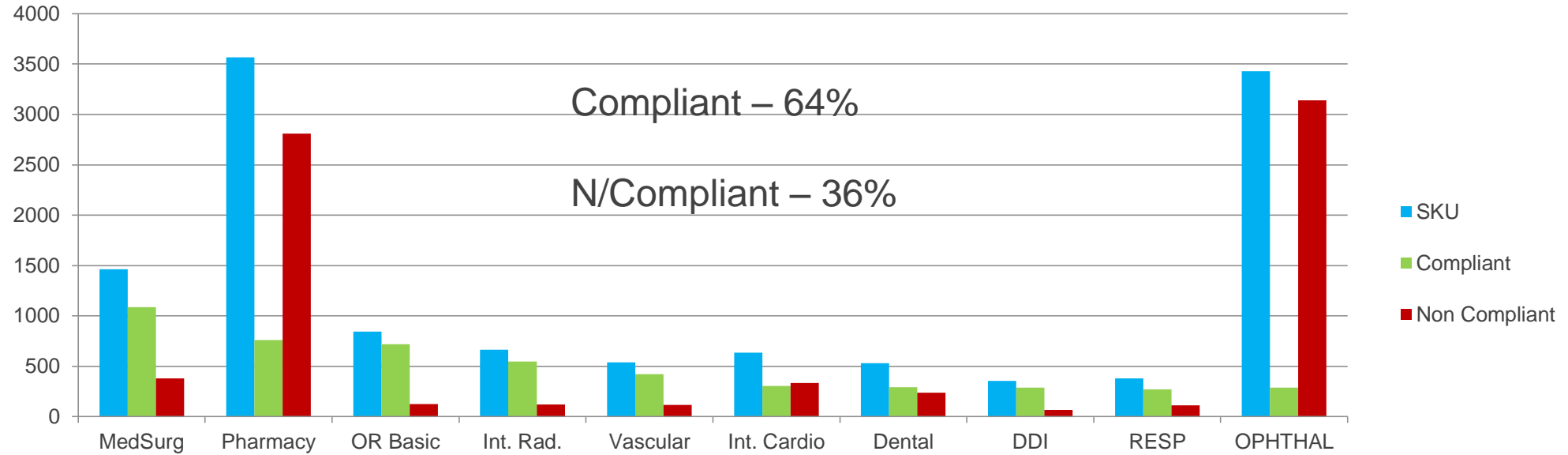
Legend: ■ SKU
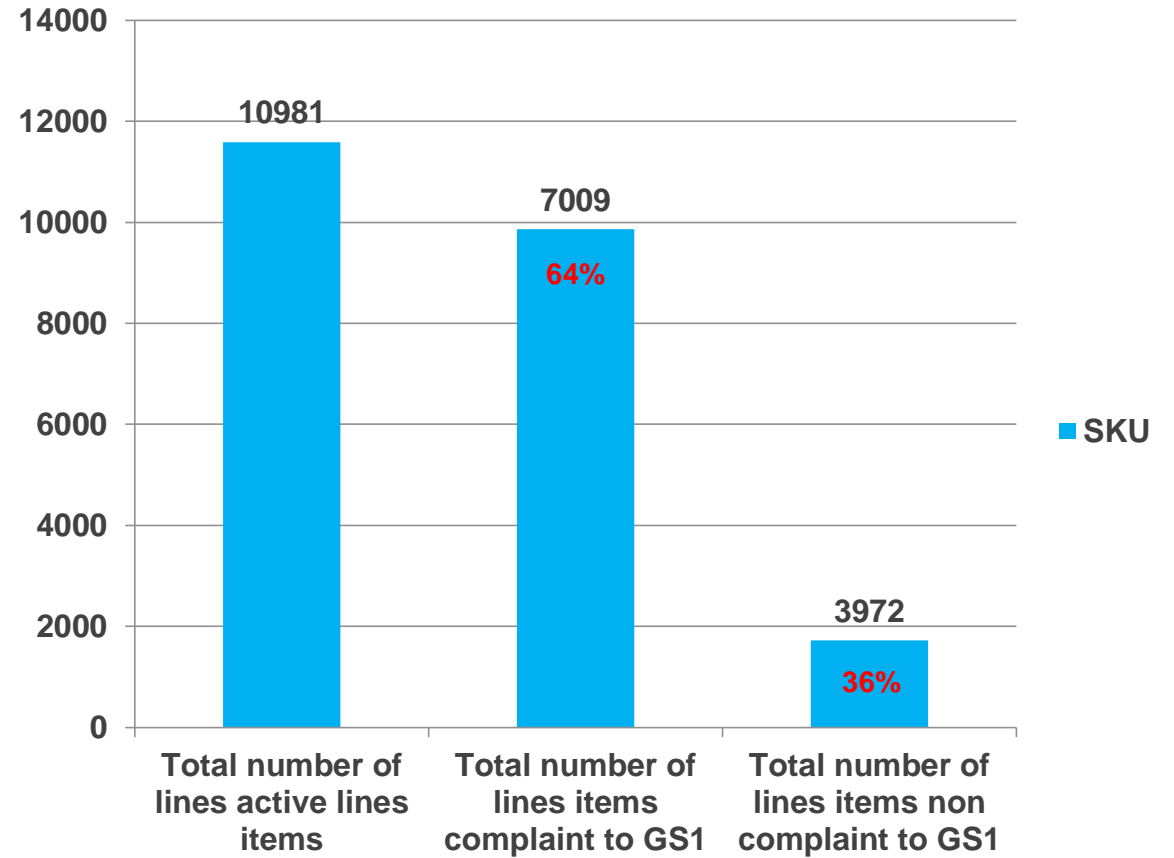
Pilot Project

1. Most common procedures

2. Low hanging fruits

3. 93% GS1 compliance

4. Non compliance - 4 SKU out of 70 in procedure cart

5. Generate GTIN for the 4 SKU

6. Successful testing carried out

7. More procedures to be added

Cardiac Catheterization

Catheter

Alternative site

Catheter insertion site

Narrowed artery on X-ray image

Hospital wide roll out - 2018

Compliant – 64%

N/Compliant – 36%

Categories	SKU	Compliant	Non Compliant	Compliant	Non Compliant
MedSurg	1463	1084	379	74%	26%
Pharmacy	3568	760	2808	21%	79%
OR Basic	843	718	125	85%	15%
Int. Rad.	665	547	118	82%	18%
Vascular	538	423	115	79%	21%
Int. Cardio	636	302	334	47%	53%
Dental	531	293	238	55%	45%
DDI	354	288	66	81%	19%
RESP	381	269	112	71%	29%
OPHTHAL	3428	288	3140	8%	92%

Recipe for Success

<u>Internal Stakeholders</u>

✓ Have clear objectives and understanding of GS1 standards

✓ Support from stakeholders

✓ Identify champions

✓ Target easy win

✓ Continue the momentum

Recipe for Success

Suppliers / Manufacturers

✓ Have clear objectives and understanding of GS1 standards

✓ Support from stakeholders

✓ Early adopters

✓ Understand the benefits and be convinced

✓ Collaborate with regulators and hospitals

1. Ensure Operational Efficiency & Patient Safety

2. Ensure The Chain of Custody is Not Broken

3. Ensure Accuracy in Purchase Order, Delivery & Invoicing

4. Have an End-to-End Integration

5. Have Full Traceability for Product Recall

We see the introduction of **GS1**, not as a challenge but as an **opportunity to extend quality of care** to our patients by being more **Efficient, Economical and Safe**, in the management of our supply chain systems.