



Supporting Clinicians through PLC

Lessons from St. James Hospital

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Mission Vision & Values

SHH Values

Disseminating and sharing knowledge

We learn, teach, research and **innovate**
to improve health and well-being

Using resources wisely

Delivering value, working efficiently and
protecting the environment

Royal Prince Alfred Hospital Wollahra

Ensuring the community has equitable access to
high quality patient centred care that is:

- Time **evidence based** naturally appropriate
and efficient
- Provided by highly skilled staff who are
committed, accountable and valued
- Supported by leading edge research,
education and technologies

Johns Hopkins Medicine

Improve the health of the community and the world by setting
the standard of excellence in medical education **research** and
clinical care.

Mayo Clinic

Improve lives and contribute to health by providing the best care to
every patient through integrated clinical practice, education and
research

Extend and extend to our region and extended communities by
wisely managing our human, natural and material resources.

Water Hospital

Our ambition is to be the safest hospital in Ireland, delivering the
highest quality care, with the most patient centric **efficient**
processes.

Supporting Values and Getting Engagement

Accurate Coding Supports:

Correct Funding

- Funding Received Reflects Work Done
- Patients are Classified in Correct DRG
- Funding reflects complexity of patients

Resource Efficiency

- Identify potential efficiency gains
- Free resources to work in the right areas
- Free cash to spend on the equipment / supplies needed

Research / Audit

- Significantly Increases Research Potential
- Limits laborious information gathering / chart trawling
- Information available immediately for analysis
- Consistent Coding ensures we can compare similar patients within studies

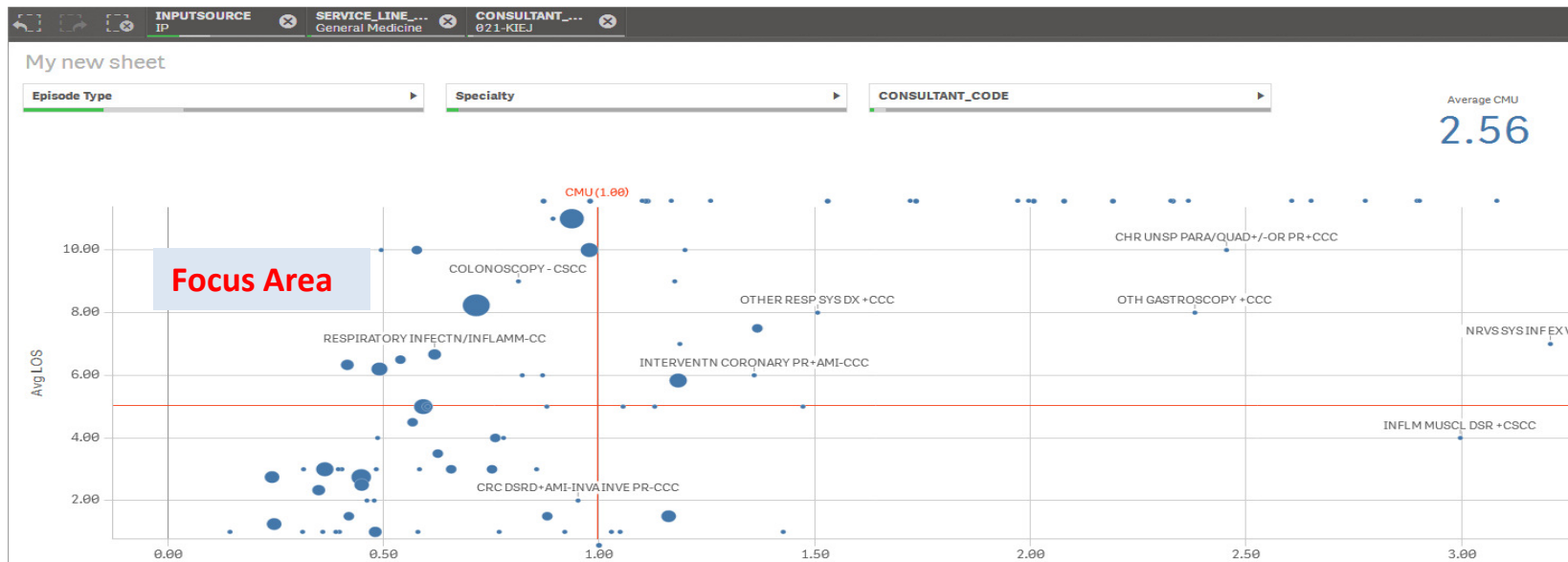
Decision Support

- Cost Analysis based on Accurate Coding can be used to Support Business Cases to introduce
 - New Products / Equipment
 - New Processes for Patient Care

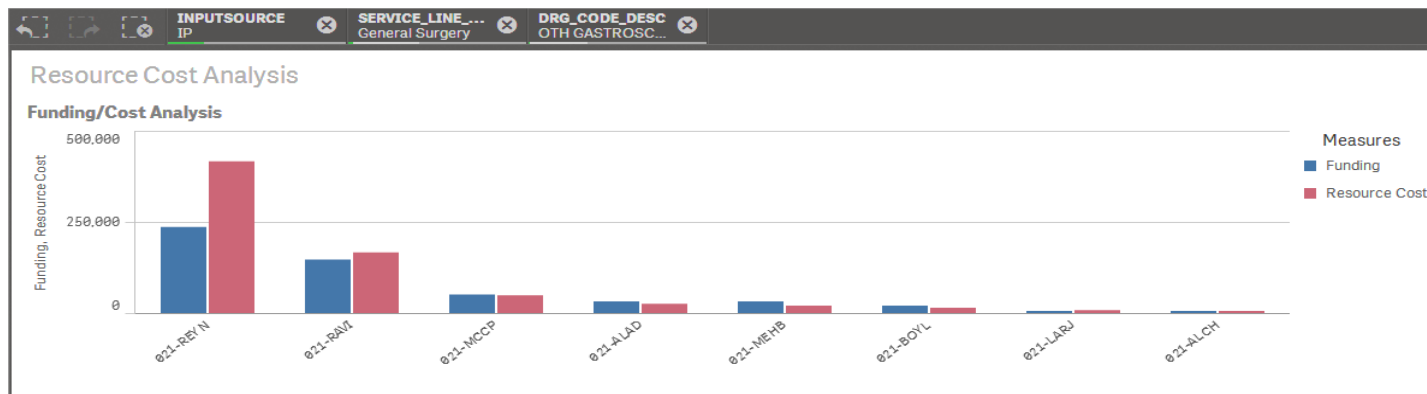
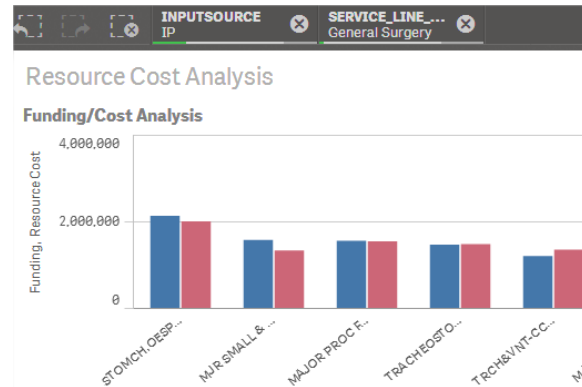
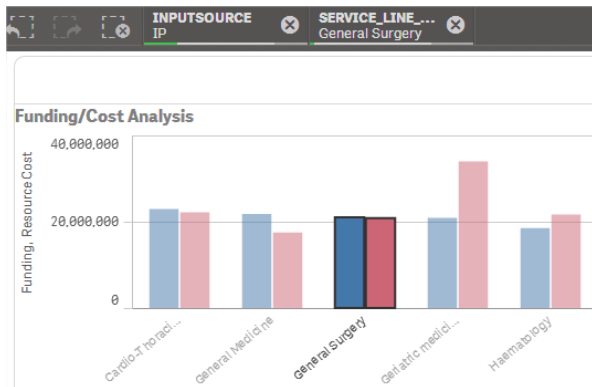


Correct Funding

- Supporting Clinician Understanding of Coding and Effects on Funding
- Understanding Coding at Individual Level
- Highlighting Potential Focus Areas Using PPM Data

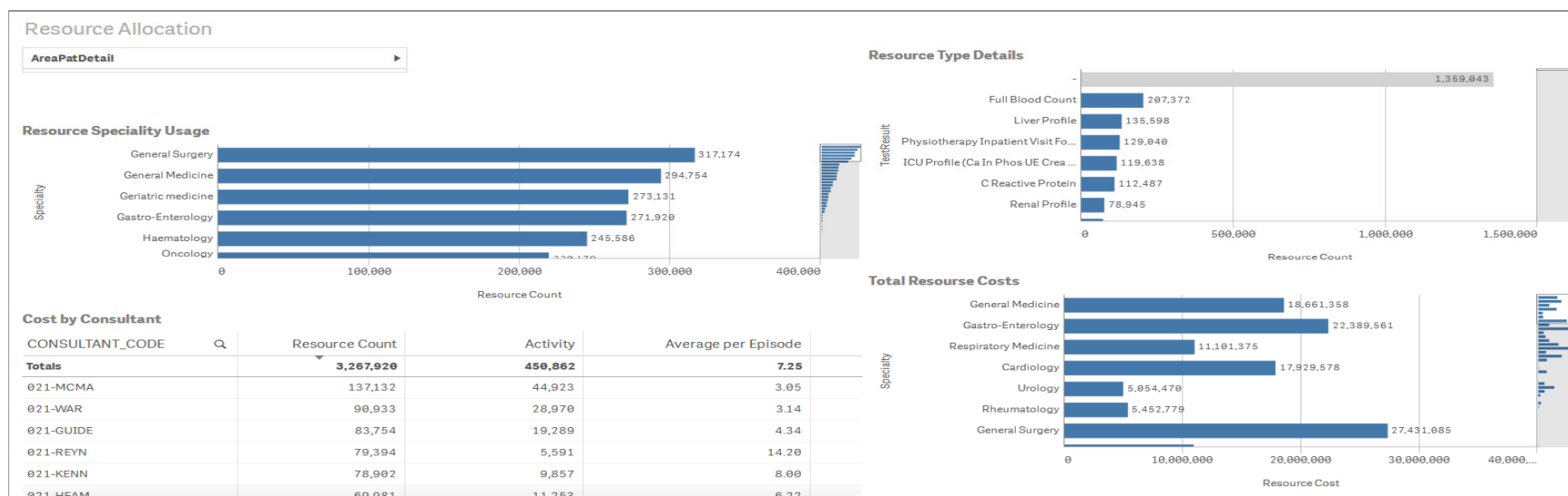


Correct Funding



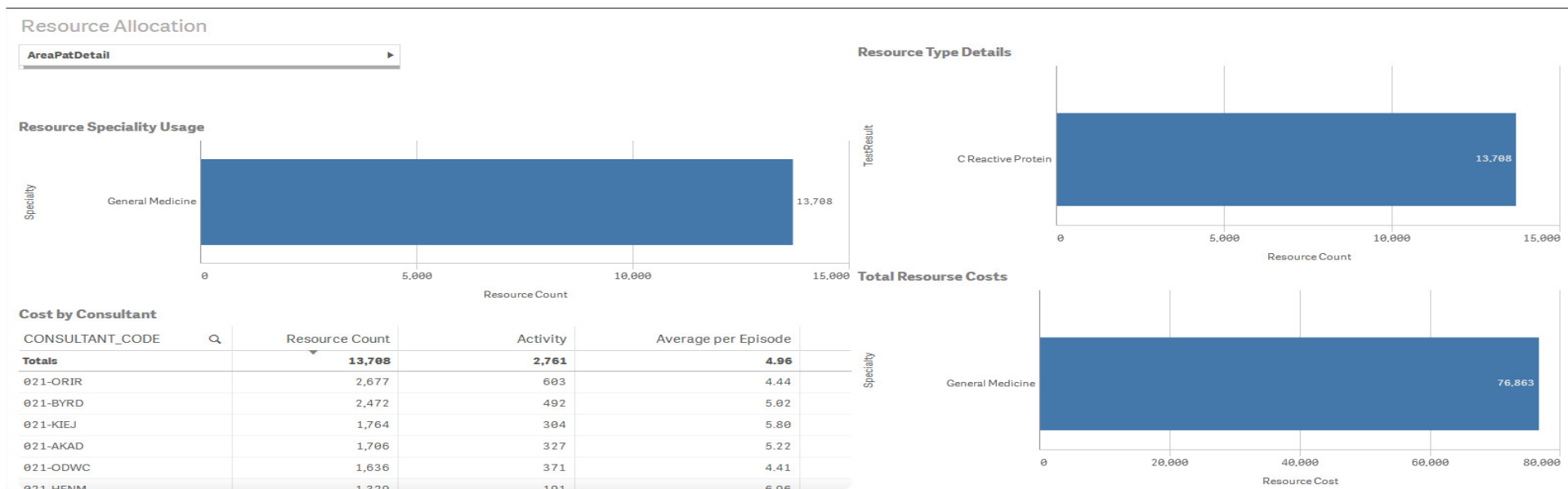
Resource Efficiency

- Using PLC data we can highlight areas for Efficiency Improvement
- Subject of QI projects with Clinicians



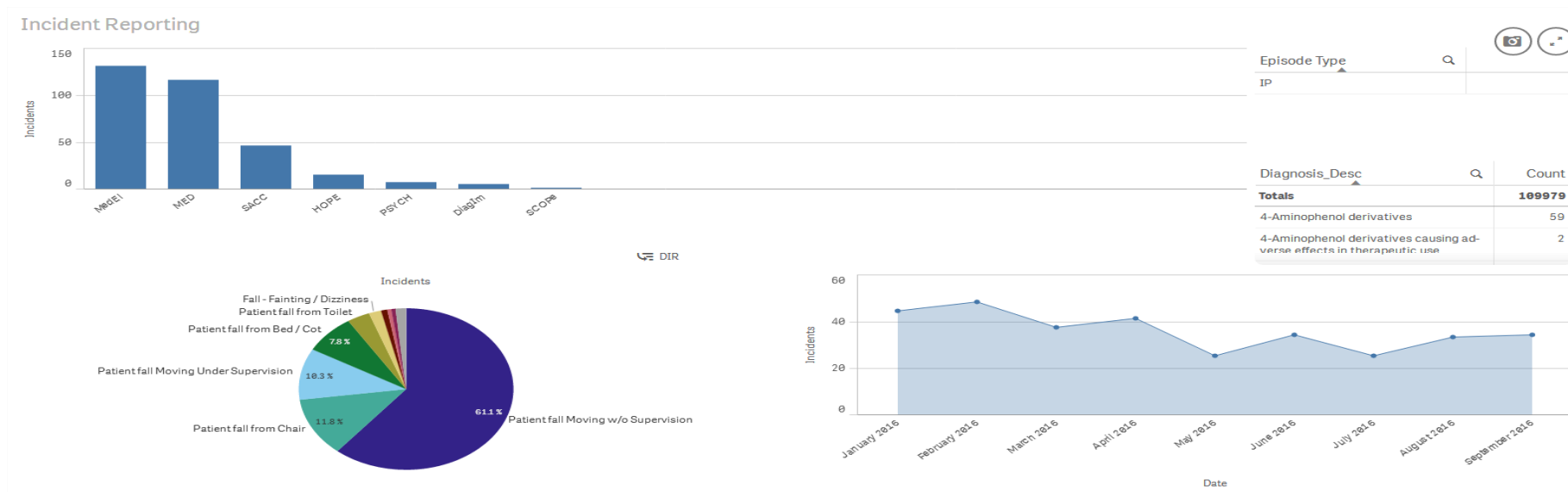
Resource Efficiency

- Report focuses on orders of C-Reactive Protein Lab Tests
- Clinicians identified 1 per Episode as appropriate use
- Current average of 4.96 tests per episode
- QI Project Group Established to address

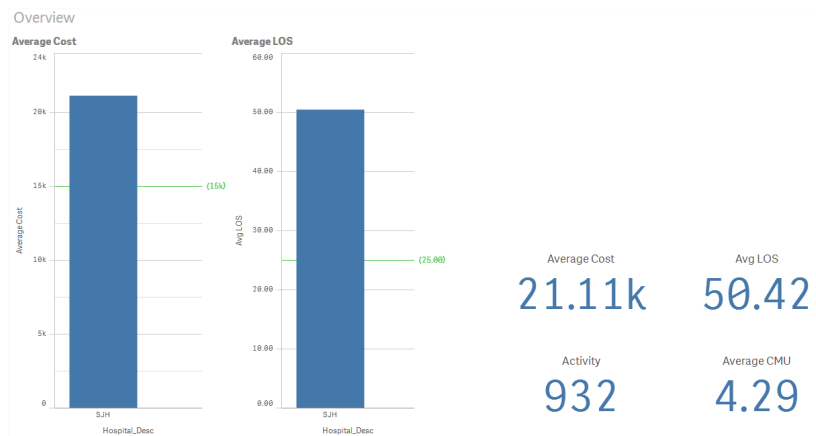


Research and Audit

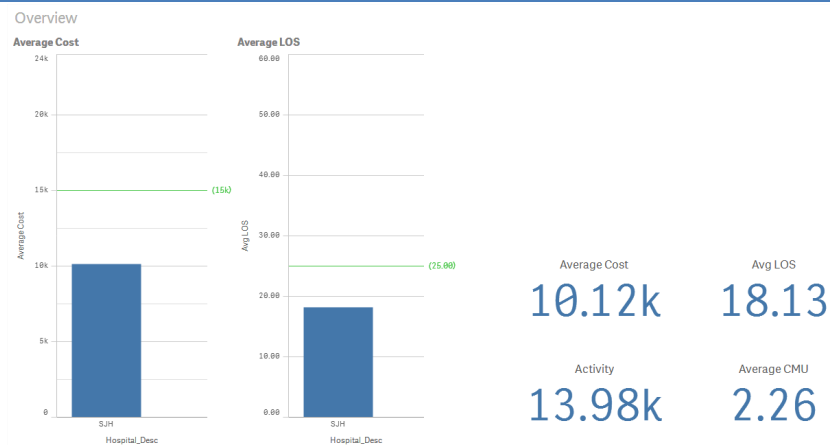
- Combined PLC data with Incident Management data
- BI allows us to view incident trends and measure effectiveness of interventions



Decision Support



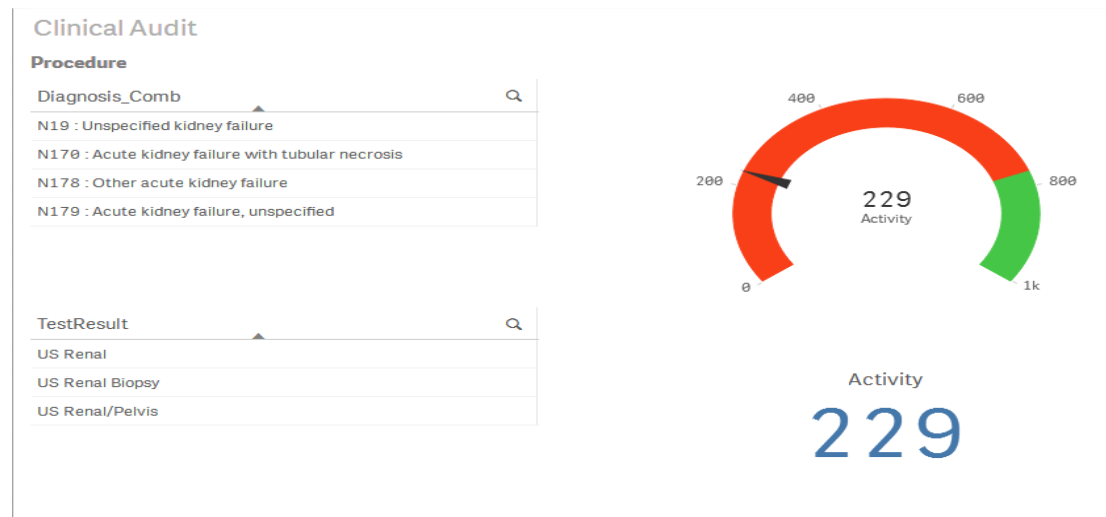
- Using BI we can also combine patient incident data with PLC data
- The data shows the Average Cost and LOS for patients who suffered an IP fall



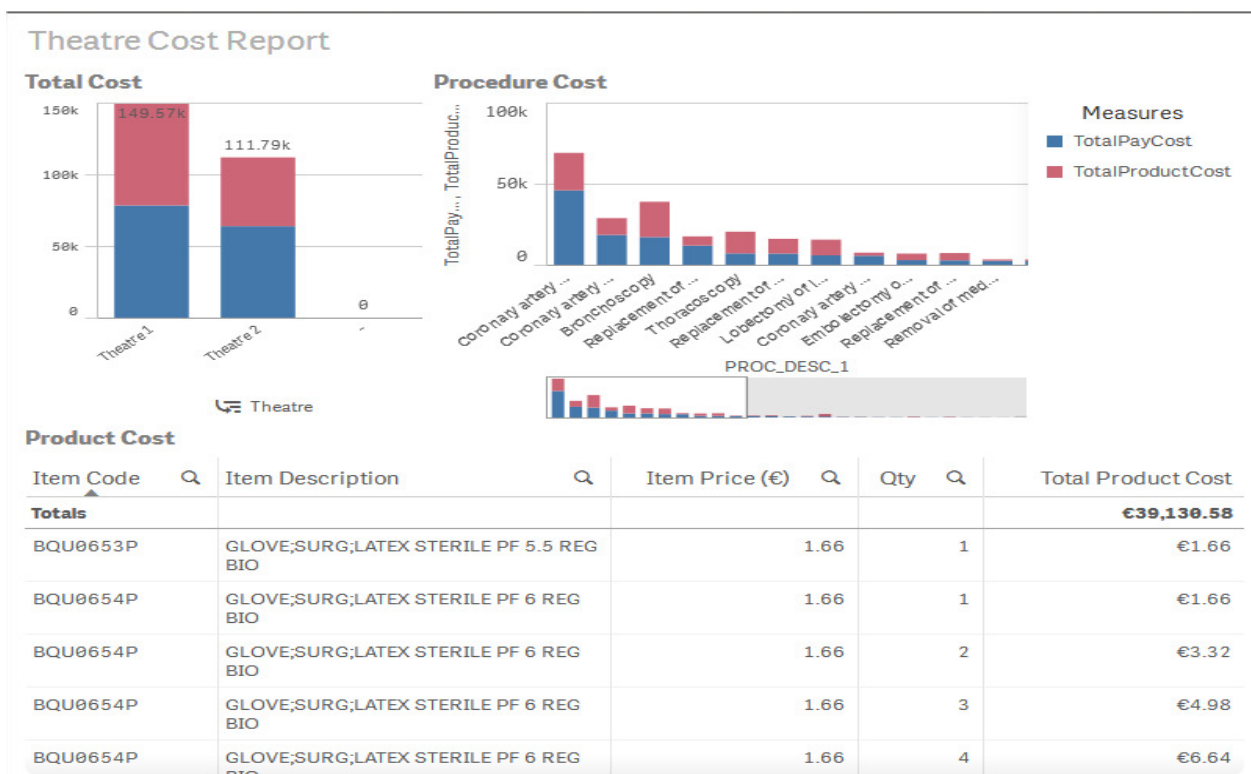
- By analysing the data we can see there is a decrease of 31 days LOS and €11k in cost in patients in the same DRG **without** a fall
- This data is currently supporting Clinical Research and Quality Improvement projects/business cases
- UTI, Delirium, EDVS, C-Diff...

Clinical Audit

- PLC Data can be used to assist with Clinical Audit
- Process to date is arduous with a lot of chart trawling and sampling involved
- PLC significantly speeds up process and provides data to clinicians
- Provides a significant time saving from current manual process and underpins a culture of audit and quality improvement



Improving Data – Scan for Surgery



- Using PLC to promote the adoption of data gathering in areas such as theatre
- Scan for Surgery Project is capturing product usage data in theatres
- Much greater visibility over cost
- Can ultimately link procedures, products etc. to outcomes
- Data supports Business Cases for the introduction of new products / technology under an ABF model

Improving Quality and Safety

Scan for Surgery Traceability

Item Code	Item Description	Sum(Qty)	GTIN	Serial
Totals		1		
FTH0449C	HEART VALVE;AORTIC,CE,27MM DIAM,2900-27.	1	7612989000235	5245426


- Products are now electronically traceable to individual patients

MRN	Theatre	Qty	OPDATE
1384238.00	Theatre 1	1	23/01/2017

- Reports will reduce time and complexity of product recalls



Thank You

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