



The Global Language of Business

Cardiac Catheterisation Laboratory: improving traceability, workflow and stock

GS1 Healthcare Webinar

Ms Pernille Preisler, Managing Head Nurse at the Clinic for Cardiac Disease,
Rigshospitalet in Copenhagen, Denmark

April 15, 2021





GS1 Competition Law Caution

- GS1 operates under the GS1 Competition Law Caution. Strict compliance with competition laws is and always has been the policy of GS1.
- The best way to avoid problems is to remember that the purpose of the group is to enhance the ability of all industry members to compete more efficiently.
- This means:
 - **There shall be no discussion of prices, allocation of customers, or products, boycotts, refusals to deal, or market share**
 - If any participant believes the group is drifting toward impermissible discussion, the topic shall be tabled until the opinion of counsel can be obtained.
- The full caution is available via the link below, if you would like to read it in its entirety: <http://www.gs1.org/gs1-anti-trust-caution>

Please identify yourself: Name & organisation

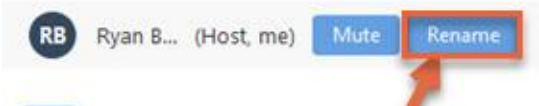
How to change your screen name:

- 1**

After launching the Zoom meeting, click on the "Participants" icon at the bottom of the window.


- 2**

In the "Participants" list on the right side of the Zoom window, hover over your name and click on the "Rename" button.


- 3**

Type in the display name you'd like to appear in the meeting and click on "OK".



A poll is coming up next!



Poll question 1:

Which is your organisation?

- a. Hospital / healthcare provider organisation
- b. Manufacturer / Distributor
- c. GS1
- d. Solution provider
- e. Other

Welcome and thank you for attending!



- Welcome to our March 2021 GS1 healthcare webinar.
Thank you to our guest speaker Ms Pernille Preisler, Managing Head Nurse at the Clinic for Cardiac Disease at Rigshospitalet, Copenhagen in Denmark
- Some housekeeping for today:
 - All attendees will be in listening-only mode
 - 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

GS1 Healthcare Webinars



Create a forum for the global clinical provider environment to share experiences on using GS1 Standards in healthcare. The final goal: improve patient safety, cost efficiency and staff productivity through the implementation of GS1 standards.

A forum for sharing and discussion

Identification of projects and case studies

A source of expertise and advice

- The practical realities of implementation of GS1 Standards in the care giving environment in regard to the impact on clinical care and patient interaction
- Supporting 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

Specific GS1 Healthcare Activities



Webinars

- Bimonthly 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

- At each F2F global GS1 Healthcare Conference
- Provider Implementation Best Case Study Award
- Provider Recognition Award
- The prize: travel & accommodation to attend the next GS1 Healthcare conference
- <http://www.gs1.org/healthcare/hpac>

GS1 Healthcare holds global conferences each year.

Due to the pandemic, we moved in 2020 to Virtual Events.

The next GS1 Healthcare Virtual Event is scheduled from April 20–22, 2021, with significant Healthcare Provider participation on the agenda.

A poll is coming up next!



Poll question 2:

What is your knowledge of GS1?

- a. None, I am here to learn
- b. Beginner, want to learn about implementation in a hospital
- c. Moderate, started working on implementing
- d. Expert, working with the GS1 standards

Presenting today



Ms Pernille Preisler

- Registered Nurse
- Degree in specialised business studies
- Managing Head Nurse
- At Clinic for Cardiac Disease, Rigshospitalet, Copenhagen, Denmark

Cardiac Catheterisation Laboratory

- improving traceability, workflow and stock

Presentation

Managing Head Nurse

Pernille Preisler

IHS, Service Delivery Lead Nordics & Benelux

Marjon Koel

Agenda

- Who are we?
- What did it look like before?
- Why did we need to change our processes?
- How did we approach the challenge?
- Results – so far....



The Cardiac Catheterisation Laboratory



Procedure volumes:

- 7650 cath. lab sessions
- Main procedure groups: Ischemia, Pacing, EP, Congenital, Trans Catheter Valves, other complex procedures

Capacity:

- 9 labs on to locations
- 91 head count

Leadership on site:

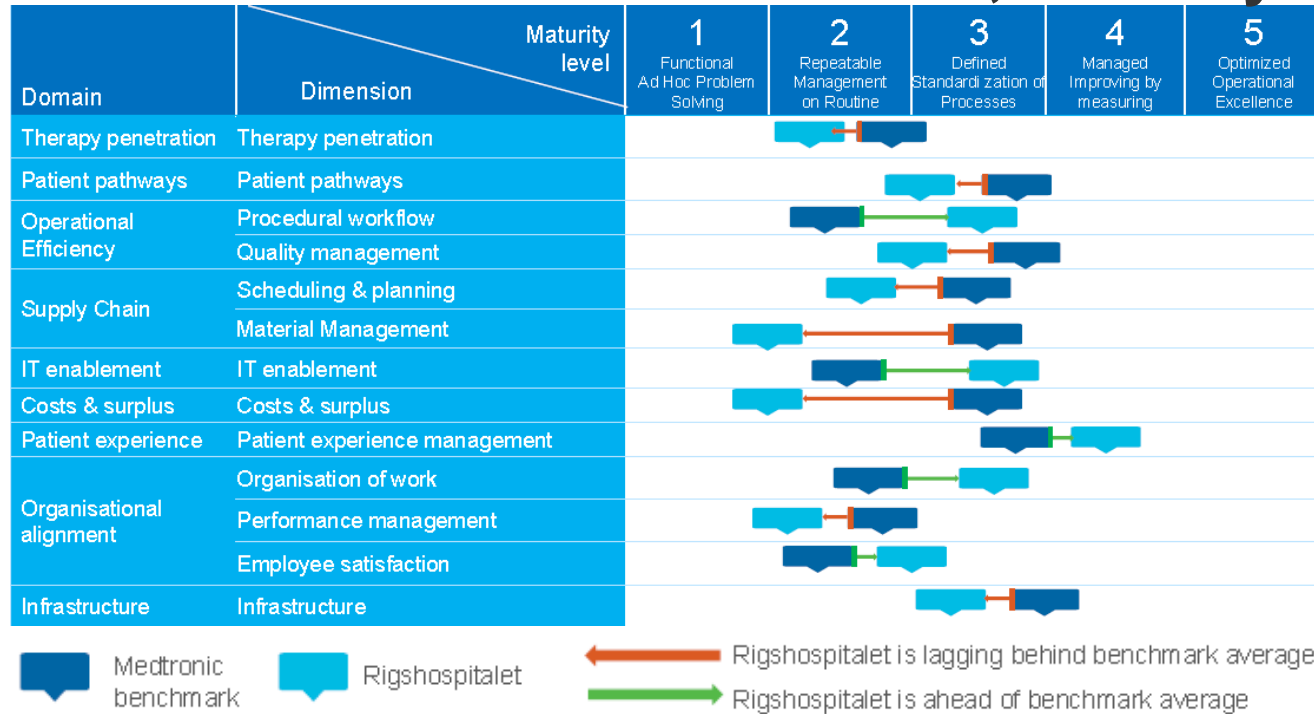
1 Ward nurse and 4 team-leader doctors (Ischemia, Pacing, Ablation and Structural)

IHS team

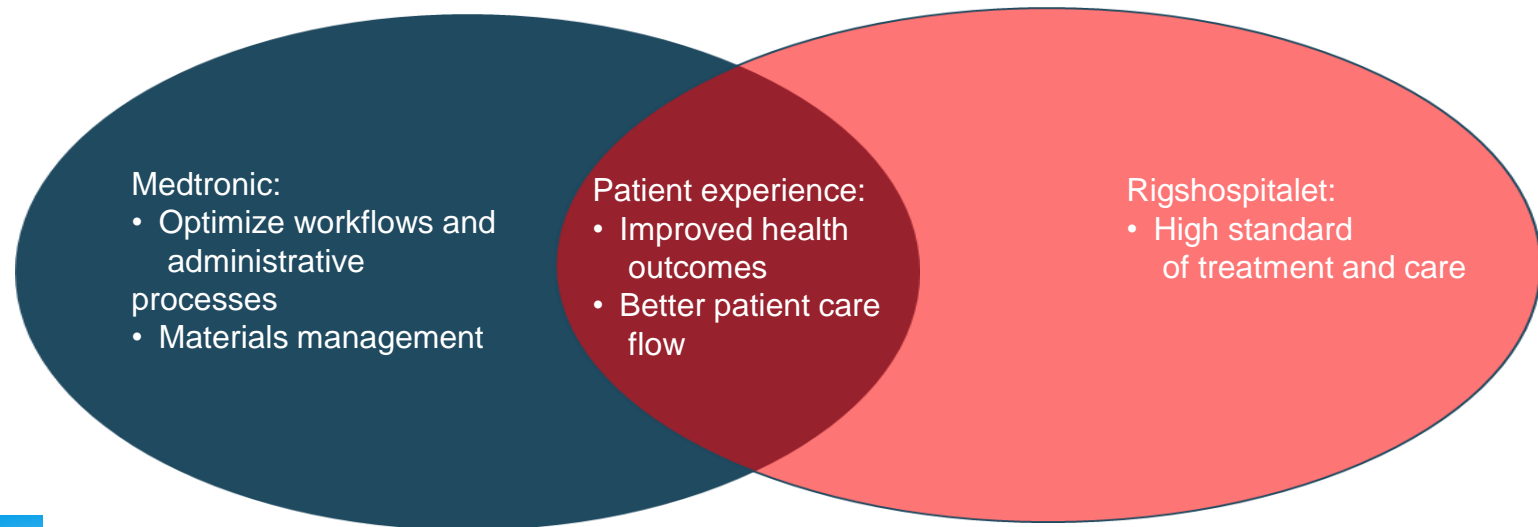
3 Materials Management Analysts and 1 team manager on-site every day with focus on logistic and data management;

1 Consulting manager and 1 senior consulting manager

Results from the Medtronic scan, January 2015



Intention: To improve health outcomes, patient experience and service delivery

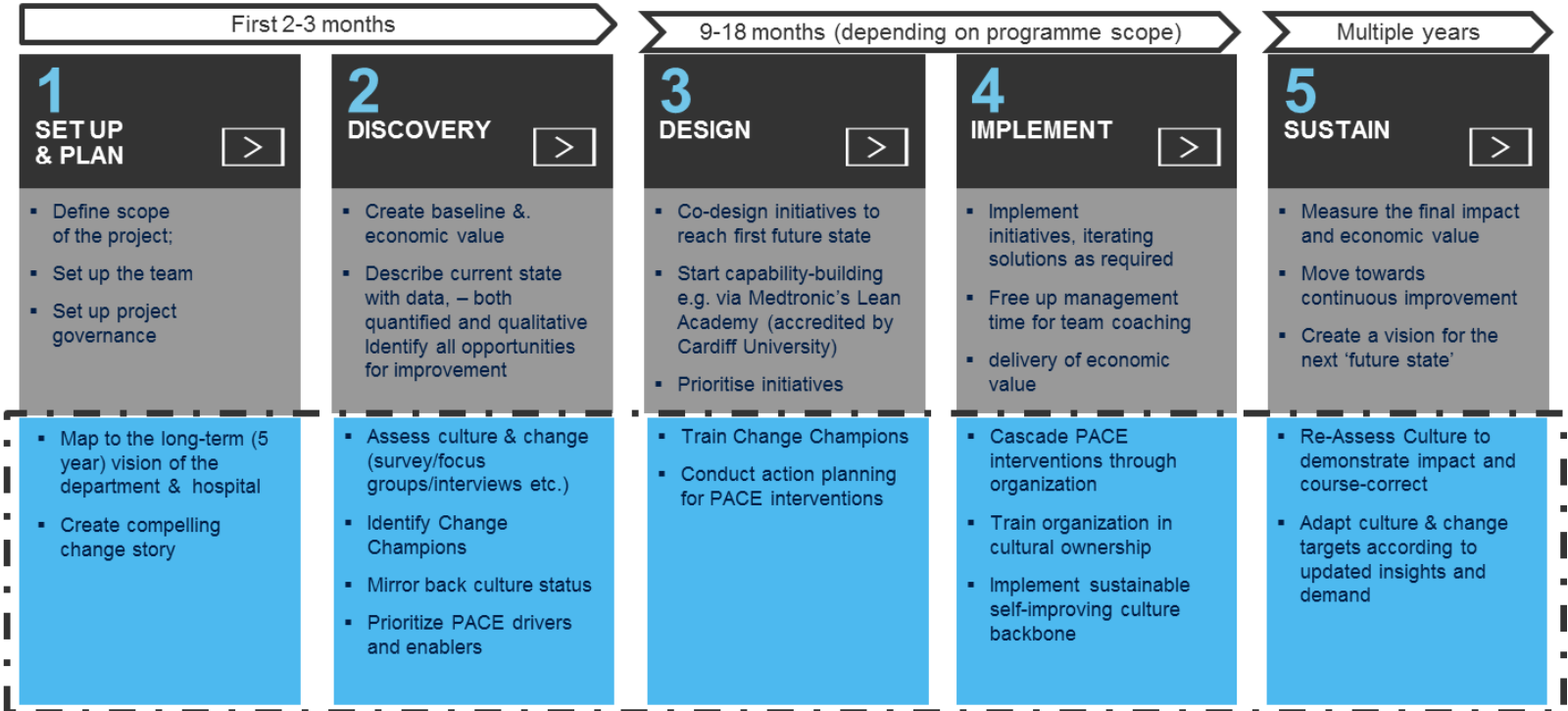


"A partnership – not outsourcing"

- Strategic cooperation
- Governance structure
- Clinical staff: Focus on treatment and care

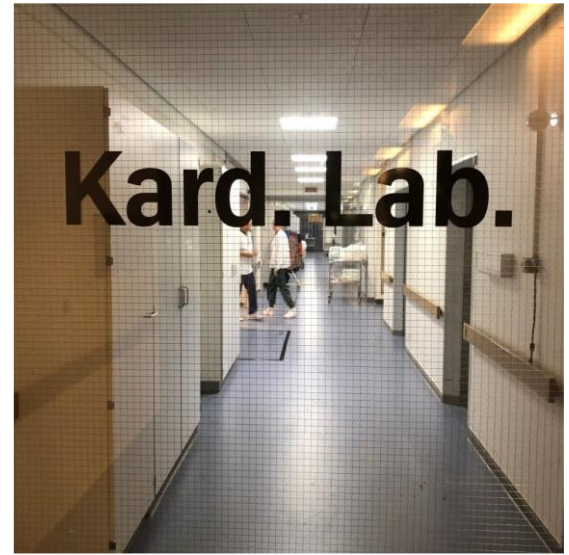


Project phases



Areas of collaboration

- Logistics/Materials management
- Operational efficiency
- Patient pathways
- Quality improvements
- From firefighting to continuous improvement



Structure and process

- Gallery walk
- Strategic workshops
- Education
- “Operating-room-nurse”
- Board meetings – daily
- “Shortage-Board”



Leadership

- Touchpoints
- Dashboards
- OPEX working group meeting
- Culture



Materials management *Obstacles*

- ❖ Uncertainty by clinical staff
- ❖ Items without a barcode
- ❖ New IT-system in the Region
- ❖ Slow scanners
- ❖ Blue Bags



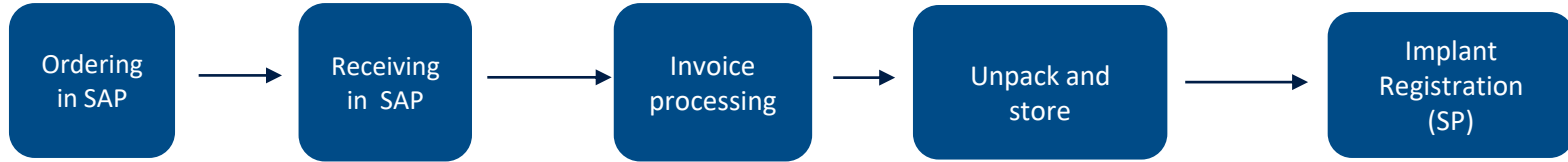
Materials management *Results...*

- ✓ Reduction of time spent on manual processes
- ✓ Freeing up time for clinical work
- ✓ From manual registration → scanning/digital registration in real time
- ✓ No cancellation of procedure due to out-of-stock items
- ✓ Reduction of stock
- ✓ Reduction of hospital owned waste
- ✓ Error Delivery and Product complaint

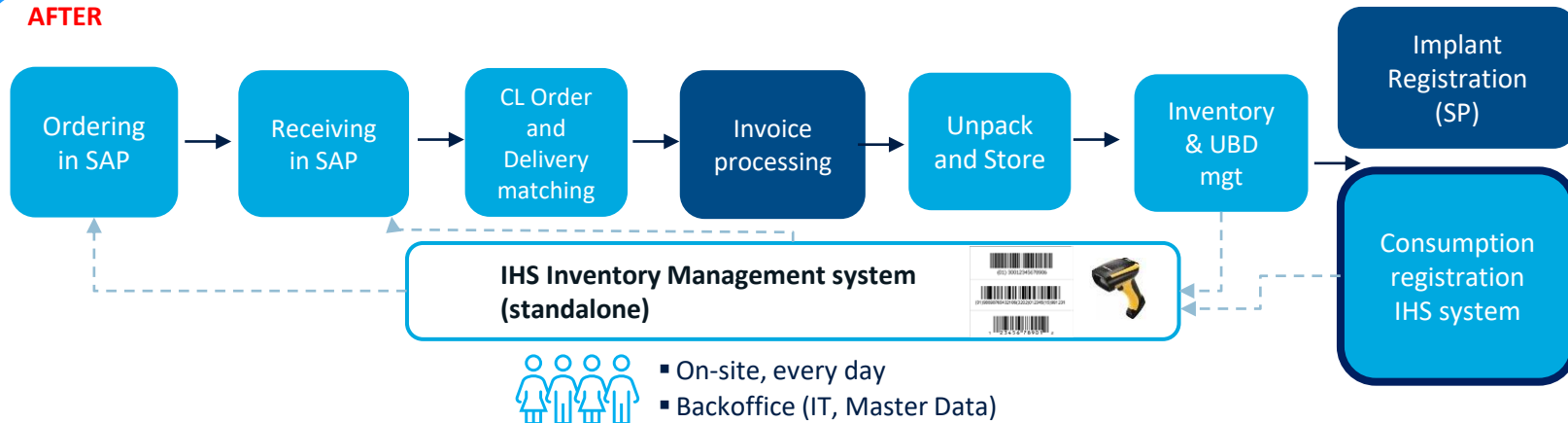


MATERIALS MANAGEMENT – BEFORE AND AFTER

BEFORE



AFTER



MATERIALS MANAGEMENT CREATES INSIGHT AND TRANSPARENCY

BAR CODE SCANNING ENABLER



Medical Devices^(*) of all suppliers, ordered for Cath Lab, are **scanned** into the IHS system, **upon receipt** at the department

() Applies to all products in scope*

IHS collects data of all **products consumed** in procedures; for inventory replenishments but also building actual procedure bill-of-materials. Deviations become visible for learning and in-hospital bench marking. Full **traceability** of products used.

USAGE

WASTE

IHS **waste reduction** program, in close collaboration with clinical team.

Reports, alerts, use-first stickers to use products before expiry. Full **traceability** of scrap/expiry/returned products.

STOCK

Reports of **products in stock**, hospital owned or vendor consigned. Stock levels managed in line with consumption pace (weeks-on-hand). Cycle count controls. Full **traceability** of products on-site.

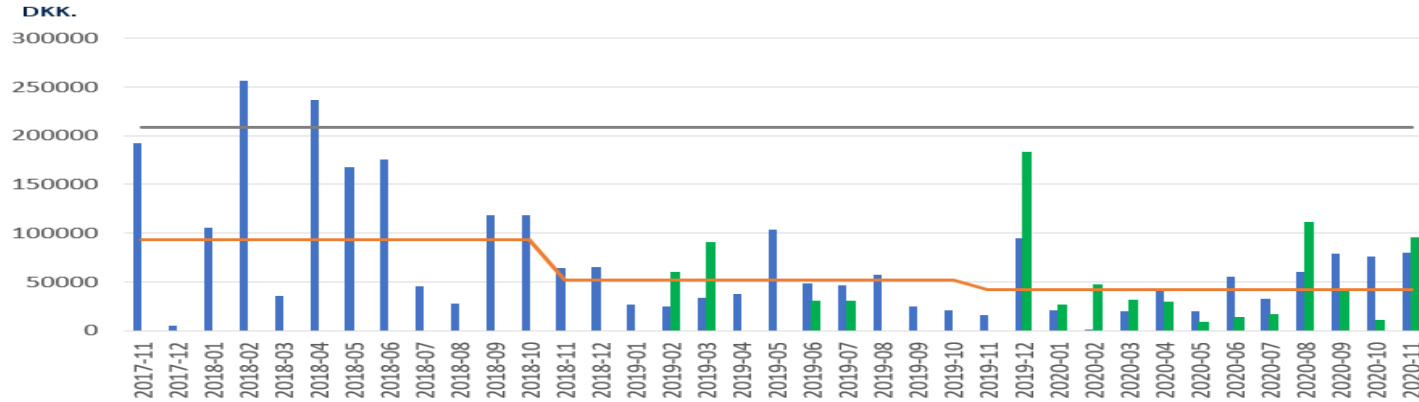
MASTER DATA

Data coordination and digital product **catalogue** for every product; plan-per-product configuration; life-cycle-management.

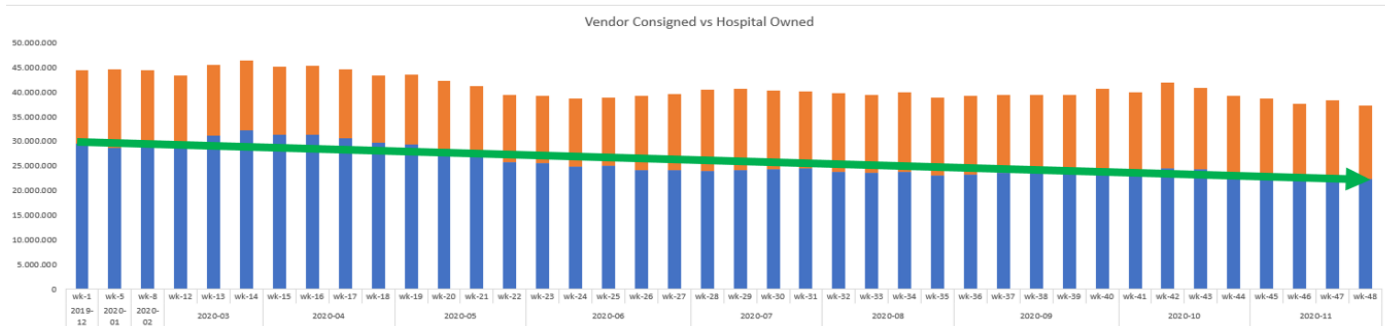
Full **traceability** of products set up.

RESULTS

■Waste reduction >DKK 5mio

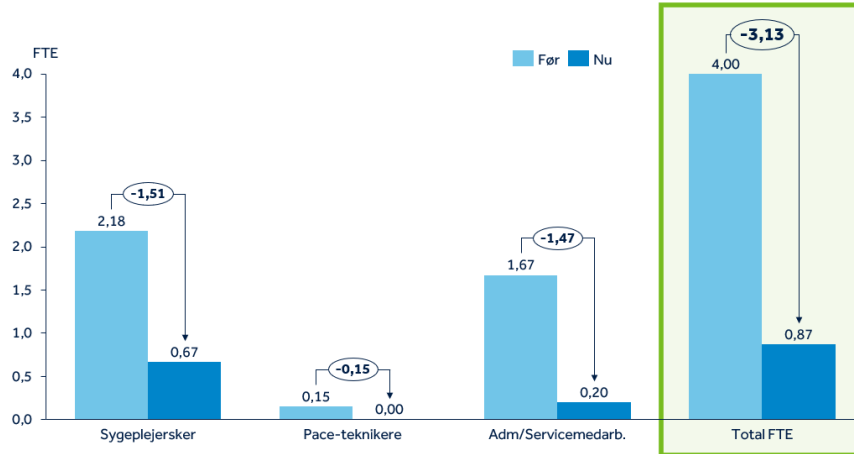


■Inventory reduction (hospital owned) >20%

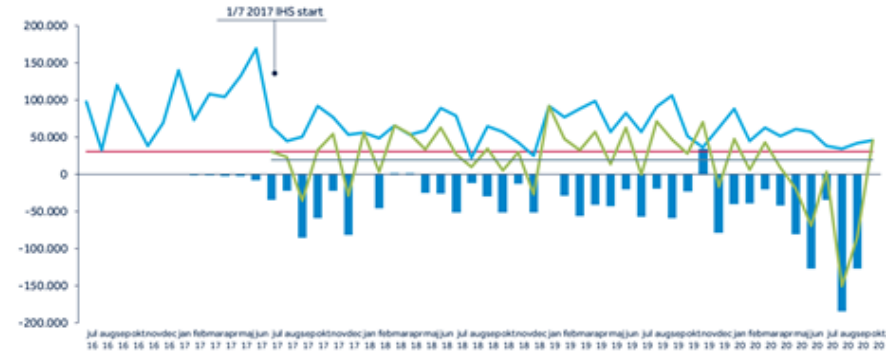


RESULTS

- Relief clinical staff >3 FTE



- Reduced overtime



TRANSFORMING PATIENT EXPERIENCE AND INCREASING EFFICIENCY

Nurses are a scarce
resource

Ordinary 2-bed rooms
are used also for
Same Day Discharge
patients



Same Day Discharge
is an established
practice at Rigs

Capital Region is
eager to find new
ways of increasing
patient satisfaction



Cardio Lounge implemented

Questions?

Ms Pernille Preisler

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GS1 Healthcare webinar: Questions and contact details



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