Södersjukhuset
Stockholm South General Hospital

Stockholm Talent day
Digital Futures 20231020

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Facts about Södersjukhuset

One of the largest acute care hospital in the Nordics, founded in 1944. Södersjukhuset in numbers (2021):

- 4,679 employees
- 562 beds
- 6,259 deliveries / childbirths
- 95,395 Emergency Department contacts
  30,748 contacts at Sachsska childrens ED
- 572,955 outpatient contacts
- 48,618 admissions
- Turnover 6.3 billion kronor
Department of Clinical Science and Education, Södersjukhuset, part of Karolinska Institutet

The department has approximately 50 employees, whereof 7 professors, 100 PhD student and 140 affiliated researchers.
Challenges to Healthcare

**Changing demographics**
People are living longer, and staying healthier longer. In 10 years number of people aged > 80% set to increase by 60%. Working age group slower increase.

**Slim margins in system**
Healthcare already operating at maximum capacity, long waiting times in healthcare system.

**Decreasing budget**
Healthcare need/spend is increasing faster than budget. Healthcare system already under enormous pressure to decrease costs.

**More expensive care**
Trend towards precision medicine, more expensive diagnostics and treatments. Personalized medicine, genomics et c.

**Increasing administration**
Increase demands on administration in healthcare: patient safety, GDPR, studies et c.

**Increasing expectations**
Expectation from both patients and employees on improved technology, better access, latest treatments and diagnostics.

**Lack of personnel**
Competition for best talent, not enough nurses/clinicians being educated, “wage wars”
Being the country’s leading emergency hospital means that we are defining ourselves as the standard setters in the region with our four prioritized strategic areas.

- Sustainable for patients, employees, and the community
- Care with participation and accessibility
- Research and education in common diseases and acute injuries
- Cooperation based on patient needs
Leading in digitalization

More time for patient work and less time for administrative tasks
By simplifying and automating documentation and administration, for example through digital employees

Our patients must be involved in and be empowered to influence their care
Through digital patient tools and task switching, for increased patient involvement and patient influence.

Our care environment must always support that it is correct, safe and of high quality
Through decision support and process support built into the workflow - easy to do right.

Best at making the most of the opportunities of digitization
By digitizing processes, work steps and documentation
Roadmap for digitalization 2023-2024

**Services that make everyday life easier for our patients**
- Implementation Video meetings (digital care)
- Introduction of e-letter for appointment
- Introduction of Speech Recognition
- Introduction of Digital signature
- Patient driven Check-in and payment
- Patient-specific rebooking and cancellation

**Increased quality in care**
- Centralization and management of drug labels
- Introduction of medicine vending machines, rare medicines
- Patient questionnaires/web forms, PROM & PREM

**Increased efficiency in our processes**
- Automation, RPA Center of Excellence
- Introduction of a new record system for intensive care
- Remote monitoring and configuration of infusion pumps
- NEWS-devices, automatic transmission of vital parameters
- Patient monitoring, automatic transfer to record system

**Increased ability for insights, analysis**
- Introduction of common tool for production planning
Future of role of healthcare?

Where are we heading? Some ideas...

• **Full automation and AI-assistants** – sensor technology such as ambient listening, real-time video analysis, wearables will collect and interpret all actions, automatically documenting care, and assisting clinicians with medical advice in situ

• **Patient empowerment & all-knowing AI-doctors** – access to all healthcare data including through wearables, combined and compared to peers for outcome analysis, and personalised healthcare treatments devised from analysis of all medical knowledge = patients with more information than healthcare
Thank you!

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