



Welcome to the 7th eHealth Security Conference

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**DANISH HEALTH
DATA AUTHORITY**

Welcome to the 7th eHealth Security Conference

- Welcome to Denmark
- Welcome to Rigshospitalet

Why are we here today?

- 2019: Barcelona
- 2020: Online Series
- 2022: Copenhagen
 - Share the newest within policies, threat landscape, ransomware and supply chain security
 - Networking and knowledge sharing
- Thank you, ENISA



Rigshospitalet (Riget)

- The largest and most specialised hospital in Denmark
- Internationally outstanding treatment offerings
- 1.135 beds across multiple sites
- 12.000 employees,
 - of which 2.500 doctors and 4.100 nurses

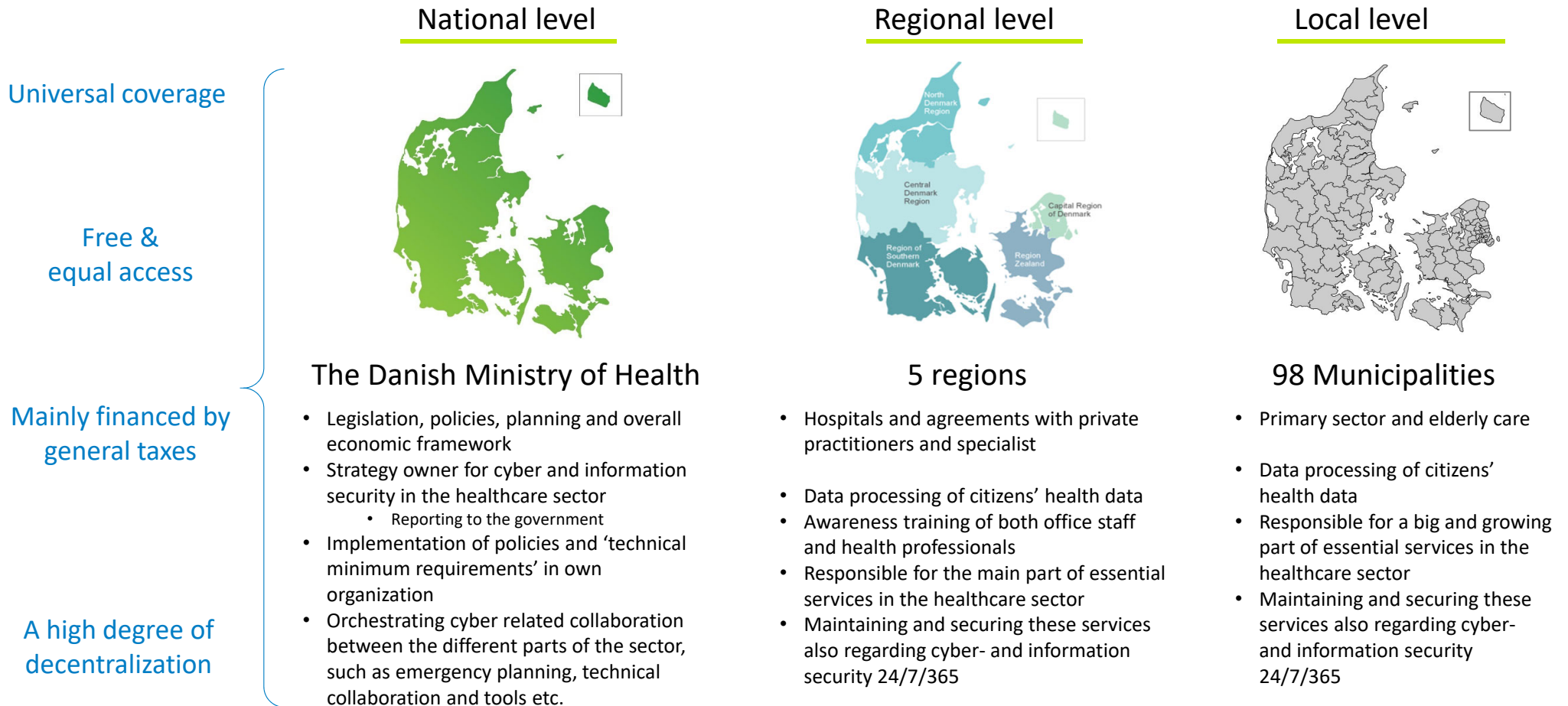
Leading on research and training

- 150 professors
- Every year 3.375+ students transition through training and placements with us

- 354.600 unique patients
- 1.147.000 outpatient visits and 371.600 virtual contacts



Organisation of the Danish Healthcare system - from a cyber perspective



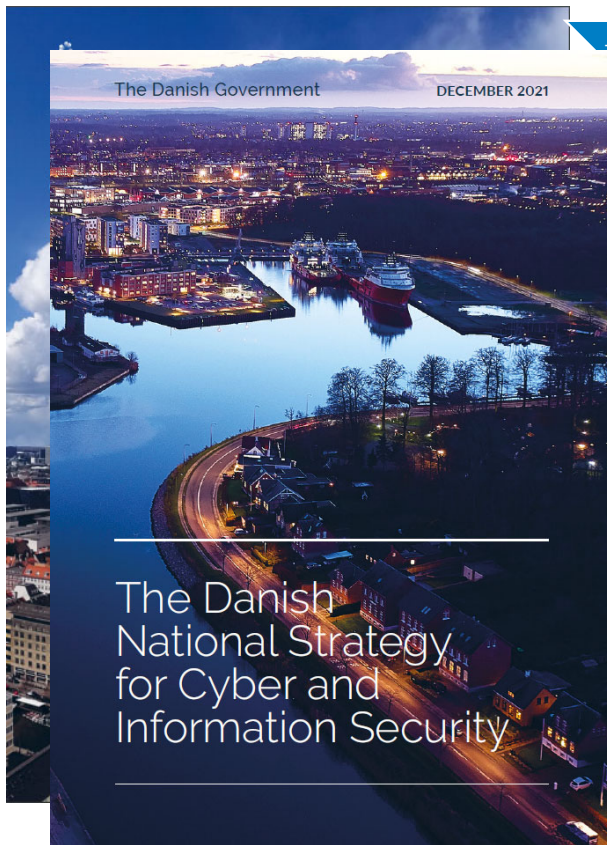
The Danish Health Data Authority

- Established in 2015 – part of the Ministry of Health
- National digital health solutions
 - Develop and run the National infrastructure and the National health care solutions
 - Define national architectures and standards that are compulsory for the health care sector with an emphasis on information security and interoperability
 - Regional and local it solutions is a regional/local matter such as the EHR, lab-systems, imaging systems, GP-systems and systems in the municipalities.
- National health data
 - Provides health data and analysis on activity, economy and quality – and research
 - Monitor political benchmarks and decisions in the health sector
- Cyber and Information Security on the health care area
 - Facilitate and strengthen cyber and information security at the highest possible level for the whole health care sector which is categorized as a critical societal sector
- Drives implementation and collaboration on digitalization and data in the health sector with focus on national cross-sectoral strategies and agreements
 - Runs the national boards and stirring groups



Danish Cyber Security Strategies

The cross-sectoral national strategy 2018-2021 → 2022-2024



Transport Finance Telecom Energy Maritime Health

An ambitious effort targeting government and vital societal functions.

The new national strategy will

- Cover more sectors
- Cover more critical systems
- Strengthen technical minimum requirements.

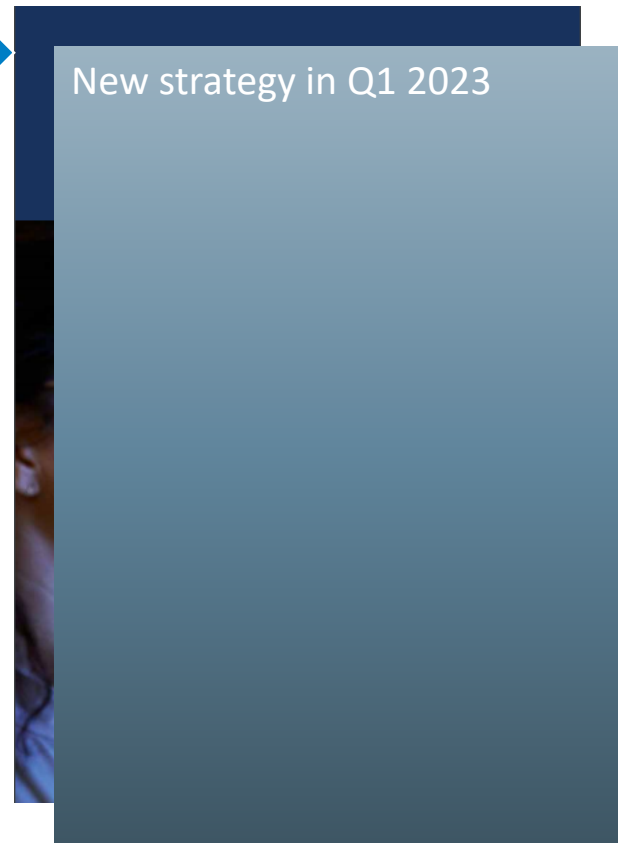
The health sector strategy focus

- Operational capacities
- Collaboration across the sector
- Stricter cyber security requirements.

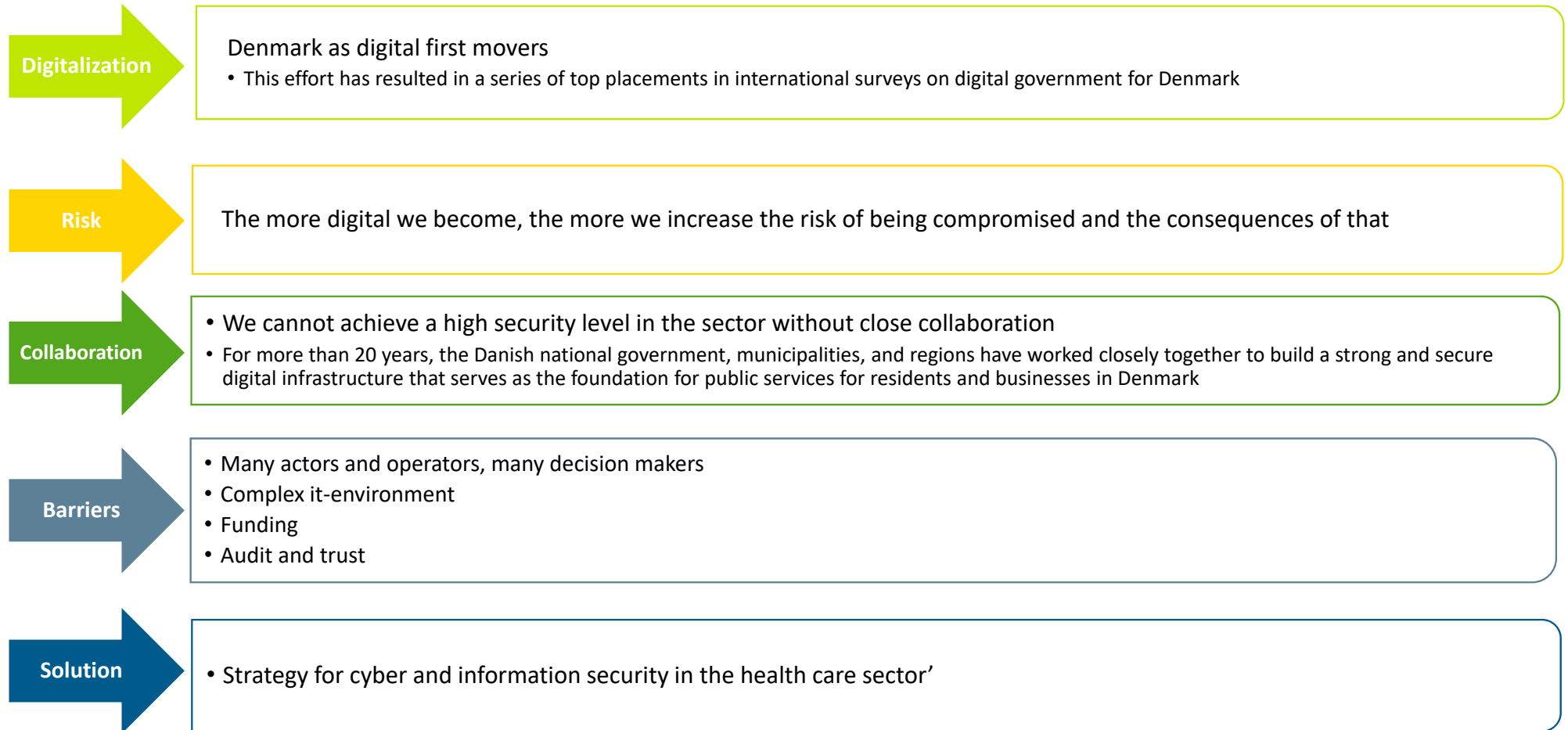
The new health sector strategy 2023-2025

- Continue the good work
- More focus on the smaller actors
- Identify and utilise potential in the best possible way.

The health sector strategy 2019-2022 → 2023-2025

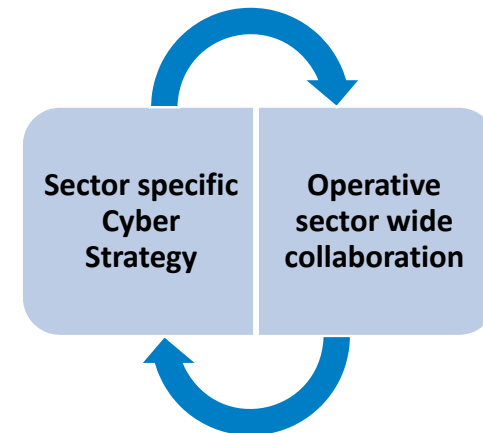


Digitalization and cybersecurity



Realization of the health sector strategy

- A strong shared national strategy ensuring governance and collaboration across de-centralized actors
 - In order for the entire sector to move together towards the same goal
- Balanced approach to strategic and operational work
 - It is vital to have both focus and direction from top management as well as close collaboration on operational level
- Tangible shared products and tools create synergies
 - Hands on operational collaborations across the sector on a technical level
 - Competences can be built and trained across the sector
 - Resources can be shared during emergencies and incidents (e.g. Log4J)
- Operational work
 - Triage, analysing and sharing cyber warnings
 - Operative capacity with a SAC in DHDA connecting to SOCs in the sector
 - Developing and testing cyber emergency plans for the entire health sector



National collaborations

➤ The Danish Agency for Digitalization

- In charge of implementing the Danish Government's policies for developing the digital public sector as well as for major parts of the Danish public digital service infrastructure.

➤ CFSC – Centre for Cyber Security

- Centre for Cybersecurity helps Danish government agencies and private businesses prevent, counter, and protect against cyber attacks

➤ The other 5 decentral units for cyber and information security

- Really good collaboration with all, especially with Energy CERT & Telecom
- In time a more transverse collaboration across all vital societal functions.

➤ NOST – National Operative Staff

- The National Operative Staff convene in case of large crisis and incidents in Denmark.
- The staff is responsible for securing the cross sectorial collaboration between the authorities.





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