



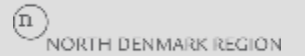
Digitalisation and telemedicine



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Healthcare DENMARK is a public-private partnership



The Danish healthcare system

Basic features



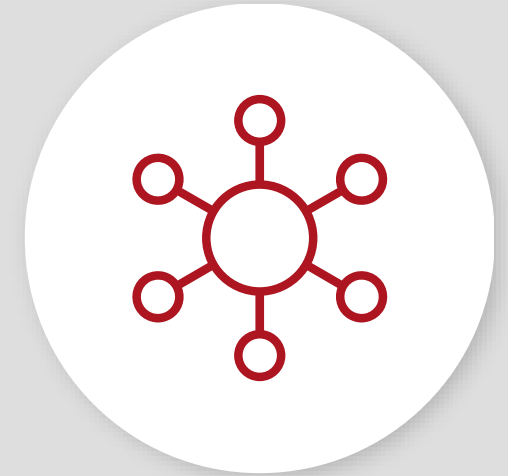
Universal
coverage



Free & equal
access



Financed by
general taxes



A high degree of
decentralization

E-health and Telemedicine in Denmark



National eHealth strategies dates back to 1999



Denmark is a leading nation when it comes to digital healthcare and all Danes have access to their own healthcare data



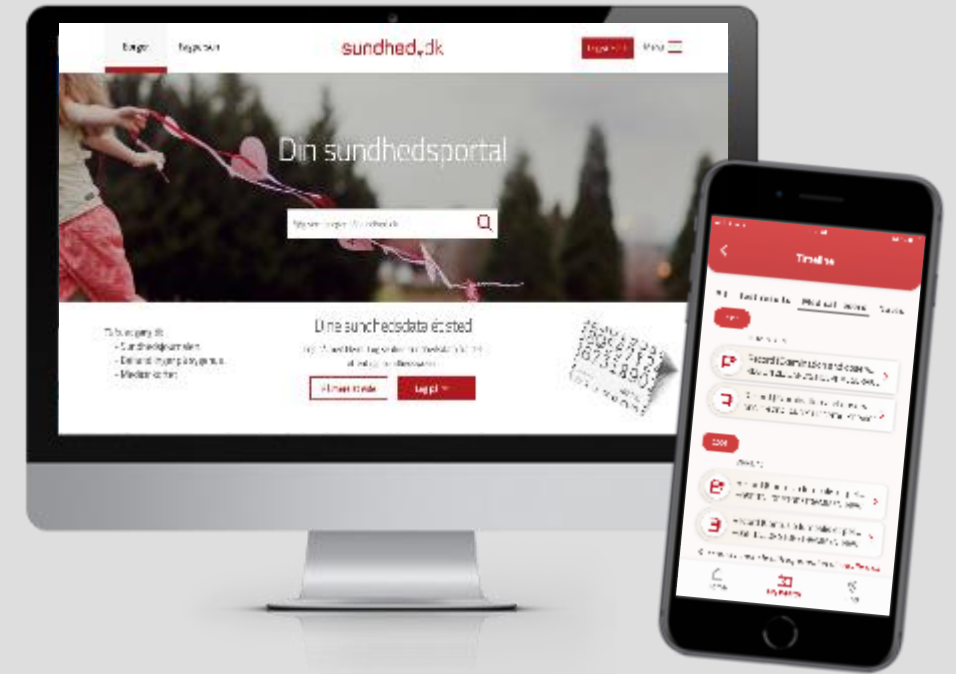
Every month **5.5 million digital messages** are exchanged between **150 different systems**



Danes can have video consultations, renew prescriptions and access test results via national healthcare apps



They can also check entries in their EHR and see who has accessed their healthcare data



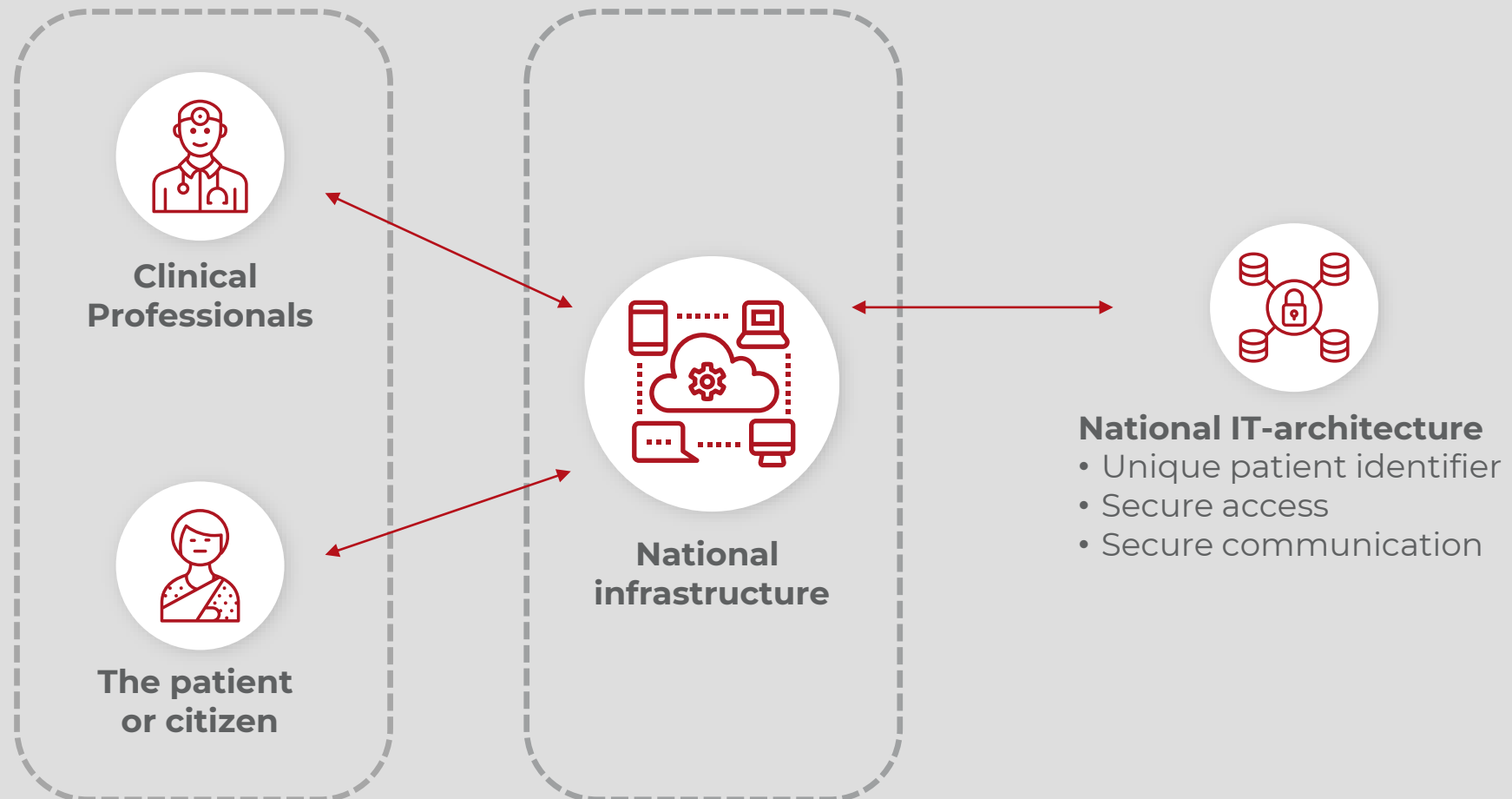
Key elements in digitalisation and telemedicine in Denmark

Denmark has a highly advanced digital infrastructure for healthcare. Some of the key elements are:

- The National Service Platform
- The National Health data net
- The National video access point



The infrastructure supports digitalisation



Digital health strategy 2018 - 2022

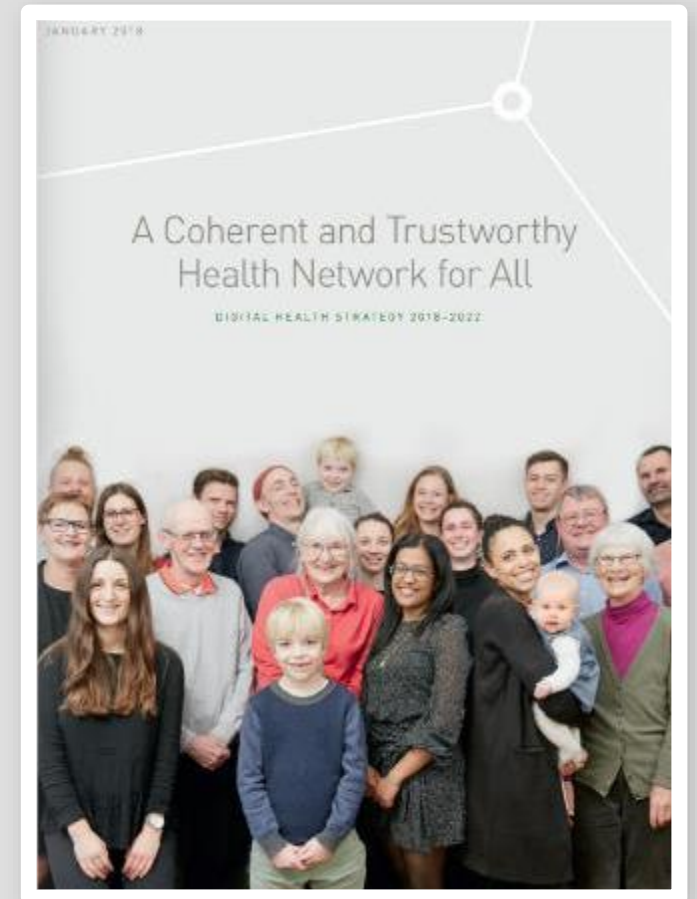
There is no real alternative to increased digital cooperation

- The task is to boost digital healthcare collaboration for every patient



Common crossbar

Better coherence, higher quality and greater geographical equality in the provision of health services



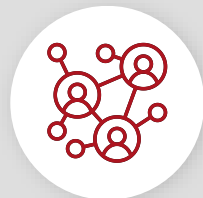
Knowledge on time

The right data about the patient should be available whenever needed

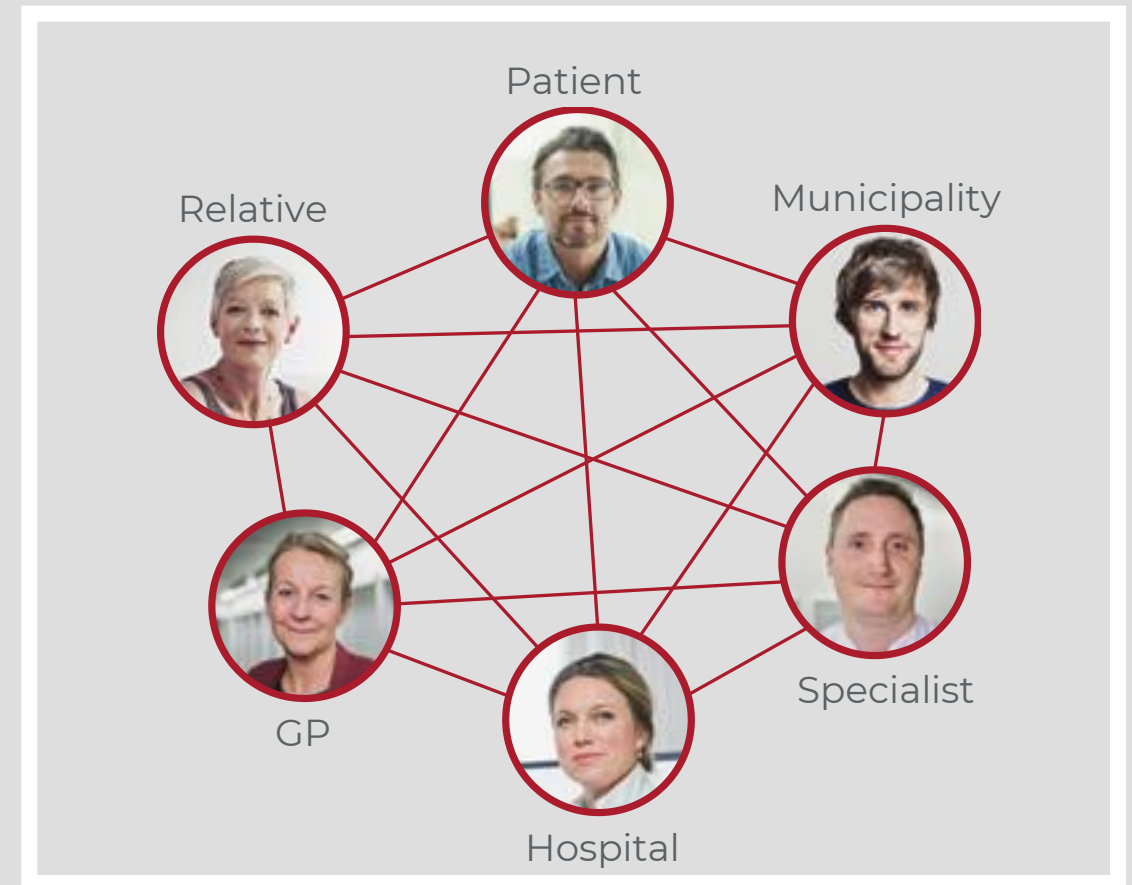
- A shift in paradigm from relay to a coherent network
- From messages to data sharing between local systems



Relay race
Transferred care



Treatment network
Shared care



Shared Medication Record

- The Shared Medication Record is a central database under the Danish Health Data Authority.
- The Shared Medication Record ensures that the citizen and relevant persons who treat the citizen, both have access to the citizen's correct and updated medicine information.
- The development of the shared medication record was initiated in order to reduce the number of adverse events due to medication
- The purpose of the Shared Medication Record is amongst others to increase patient security

How the Shared Medication Record is used

Consults the GP

Gets new medicine prescribed

Collects medicine from the pharmacy

Receives prescribed medication

Requests prescription renewal

GP approves and renews prescription

Gets hospitalized

Current medication can be viewed in the Shared Medication Record

Gets discharged

The Shared Medication Record is updated and adjusted

Gets medicine from home care

Changes can be viewed in the Shared Medication Record

The Medication card-app

Since 2016, Danes have had access to their medication data from an app



Access to information regarding prescriptions and medication



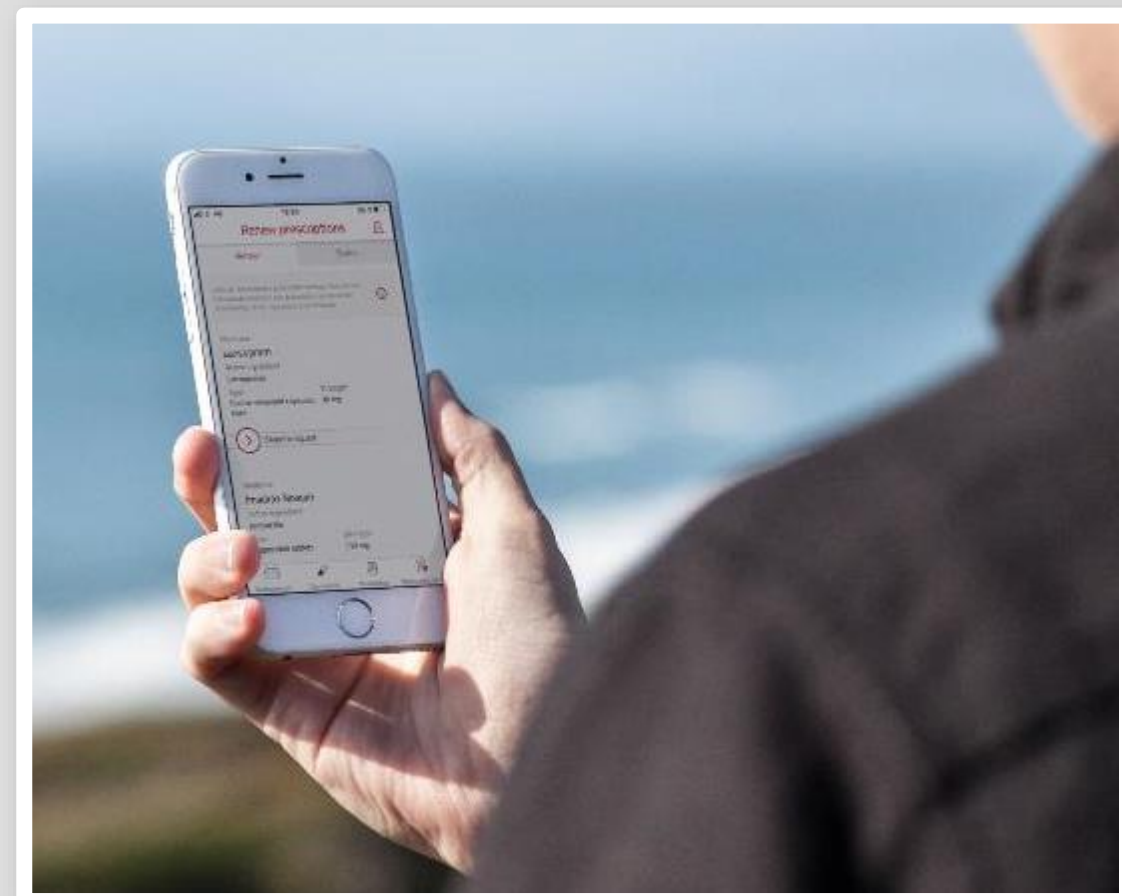
Renew prescriptions



Overview of previous medication purchases



Parents can access medication data on their children



The "My Doctor"-app

Since late 2018, Danes can communicate with their GP through the app "Min Læge" (My Doctor)



Access to personal health information

- Laboratory tests (i.e. Covid-19 test results)
- Vaccination data



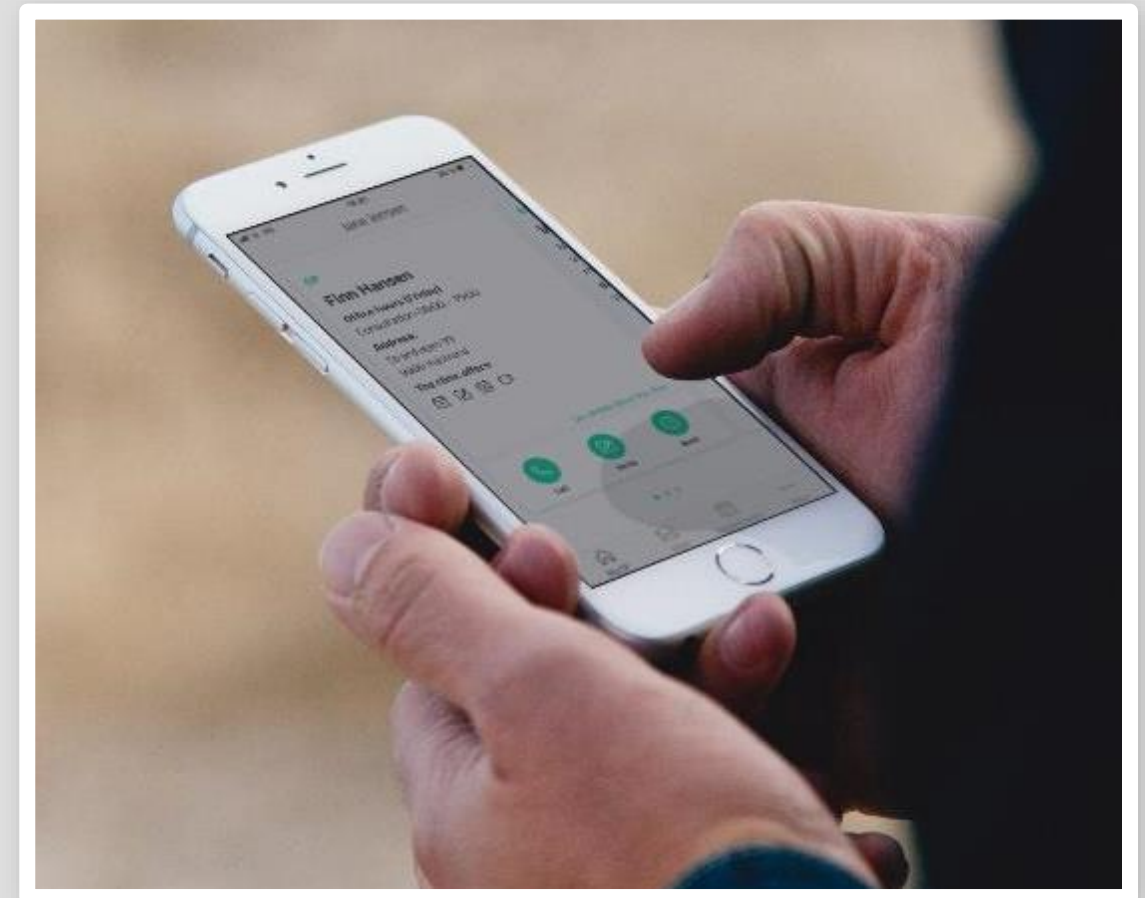
Interact with GP - messages and video consultations



Get advice on minor health issues



Parents can also see data on their children – laboratory test and vaccination data



My health-app

Since late 2019, Danes have had access to the "My health app"



Access to personal health information



Information on allergies

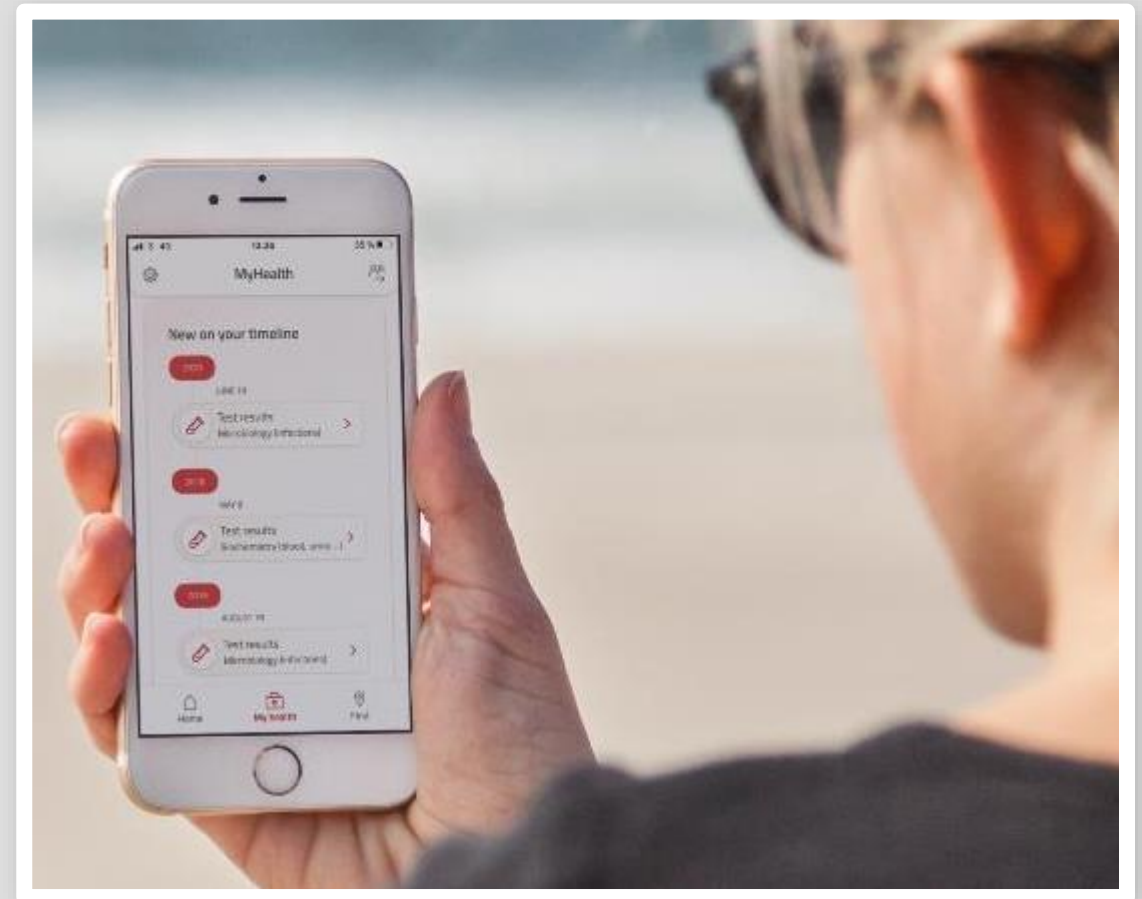


Access to notes in electronic health records



Including data from other sources:

- Laboratory samples
- Health data on next-of kin – if consent is provided



Remote care apps

From web-based access to an ecosystem of apps



Shared Medication Record

~ **850,000** downloads since 2016
~ **435,000** renewals of prescriptions the last three months



My Doctor app

~ **420,000** downloads since January 2019
~ **40,000** e-consultations conducted



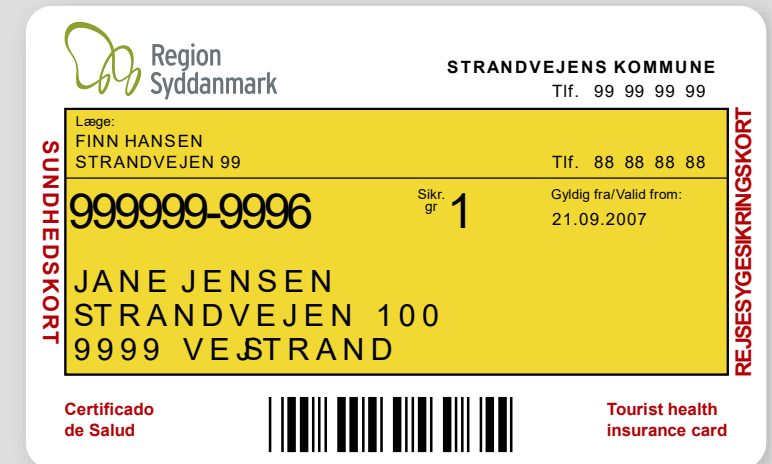
My health app

~ **400,000** downloads as per August 2020



Latest app

~ In 2021, a digital version of the Health Insurance card and a Covid-19 passport has been launched. An app for maternity care will be launched in 2022.



Reducing bottlenecks at the dermatologist

Personalised patient support:

- Triage tele-dermatology solution
- Remote assessment of the patient's photos
- LEO Pharma app

Potential of using diagnostic apps:

- 39% reduction of referrals to dermatologists
- Cost savings of \$41M (common skin diseases in total)



Internet psychiatry

- Launched in 2014, part of routine care in 2016.
- Online psychological assessments, online therapy and referral services to 4500+ patients
- Provide internet delivered psychological therapy for adults with depression and anxiety
- Volume : > 1.400 patients per year
- Self referral and free of charge for Danish citizens 18 years



Diabetes hotline

- Transfer of patients with uncomplicated type 2 diabetes to general practice
- GPs can contact specialists through a hotline with specific questions and receive advice regarding their diabetes patients and their treatment
- The coordination and coherence of the efforts in the patient courses across the regions' hospitals, municipalities and general practice is ensured through a health agreement between the parties.



Cyber and information security strategy

Predict – Prevent – Detect – Manage

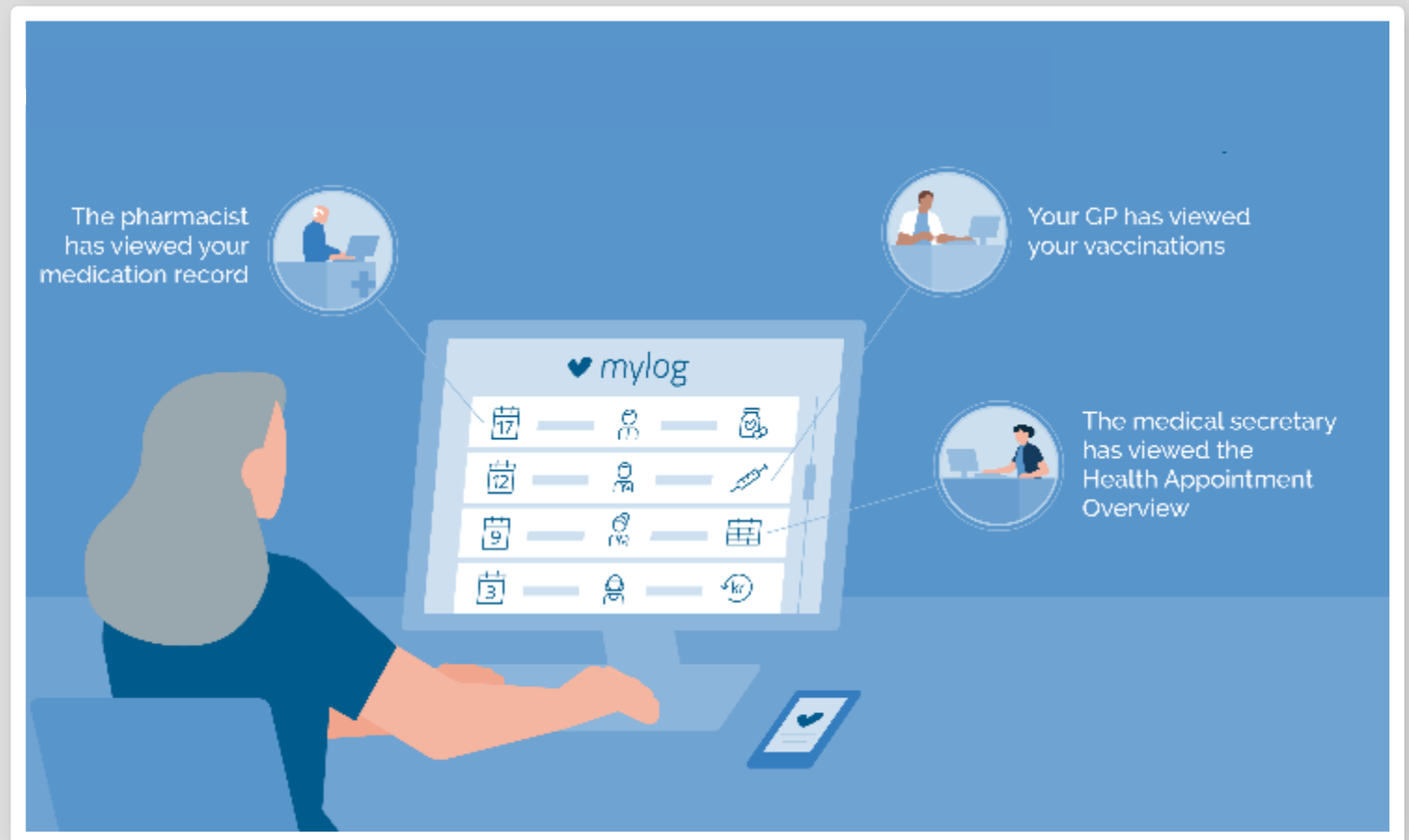
As the first country in the world, Denmark established a national "Strategy for cyber and information security in the healthcare sector" (2019-2022)

The aim of the Danish strategy for cyber and information security in the healthcare sector is to build the healthcare sector's capability and capacity to predict, prevent, detect and manage cyber and information security incidents by means a number of initiatives.



MyLog shows openings of health data

- MyLog is one of the security solutions in the National Service Platform
- Healthcare professionals' actions are logged for the security of the patient
- The citizens can see what is registered about them, who has accessed their health data, when it happened, and can have possible errors corrected



Healthcare

D E N M A R K

