Swedish e-Health strategies and national e-Services
The Swedish health care landscape

National level
(State)
Ministry and agencies
Responsible for legislation

Regional level
(Regions)
Responsible for organizing,
financing, and providing
health care services
(hospitals and
primary care)

Local level
(Municipals)
Responsible for
care of elderly
disabled and
school care
(financing)

1 State
21 Health care regions
290 Municipalities
This is Inera

- Inera is a company owned and financed by the Swedish Healthcare regions and municipalities.
- Inera coordinates the e-health development on behalf of the public healthcare organizations.
- The revenue is approximately 80 million euro.
- The delivery from Inera is national infrastructure, national e-Services and coordination on standards and national architecture for e-health.
Swedish national e-health strategies:

Strategy from Ministry of social affairs and SALAR

5-years action plan
County Councils

1-years e-health development plan
9 years of execution and coordination

Impact of a National Strategy

21 independent county councils – planning and working on their own (before 2006)

21 independent county councils – working together to fulfil the national e-health strategy. With national coordination from Inera and shared infrastructure and national e-services (today)
Swedish national e-health vision 2025

“In 2025, Sweden will be the best country in the world in using digitizing and e-health services in order to support the citizens to achieve a good and equal health and welfare, and to develop and strengthen their own resources for increased independence and social participation”

- Focus on:
  - Laws and regulations
  - Terminology
  - Technical standards
National master data
- invaluable pre-requisites

- National identification of health care employee (Inera)
- National mobile identification of citizens (bank federation)
National health information exchange infrastructure

- National e-Services based on the HIE platform, API:s and connected EHRs
- The HIE platform with the shared APIs is hosted by Inera

1 billion exchanges yearly through more than 100 shared and standardised API:s to local EHRs

e-Services offered by Inera

Health information exchange platform

- Diagnoses
- Labresults
- Drugs
- Warnings
- Vaccinations

Virtual national EHR

400 connected EHRs

State agency (e.g. EHM)

State agency (eg. Insurance agency)
National e-Services provided by Inera

- National patient portal (1177)
  - Information, find care, compare care, e-booking to my doctors appointment, renew prescription, view online medical records
  - Phone services (distributed, load-balanced call center with nurses)
- National patient overview/online medical records (for health care personnel as well as patients)
- Medication master data and decision support information (interactions, recommendations, approved drugs)
- National tool for infection control and antibiotic use
- ... and another 20 e-Services
More national e-Services provided by Inera

- National patient portal
- Find and compare care
- Health advice phone services
- National e-referral services
- National e-client
- Medical knowledge databases
- National catalogue services (master data)
- Authorization and security services
- National tool for infection control and antibiotic use
- National patient overview
- Medication master data and decision support tools
- National integration services for laboratories
- National vaccination journal
- Infrastructure services (dedicated health care net)
- Birth certificate services
- National catalogue for tools for disabled
- UMO – an youth clinic online
- National platform for online treatments
- Digital sick notes (medical certificates)
- Digital treatment guidelines
National e-services (provided by the e-health agency)

- National e-prescription database
  - 99% of all prescriptions are electronic
  - The online prescription database is connected to all 1,500 pharmacies in Sweden (mandatory)
  - The prescriptions are created in distributed EHRs and are connected through Ineras Health Information Exchange platform
  - Can **not** be viewed by your doctor
- National database for all dispensed medications from all pharmacies
  - Can be viewed (with consent by your doctor)
- National drug statistics (based on dispensed medicines)