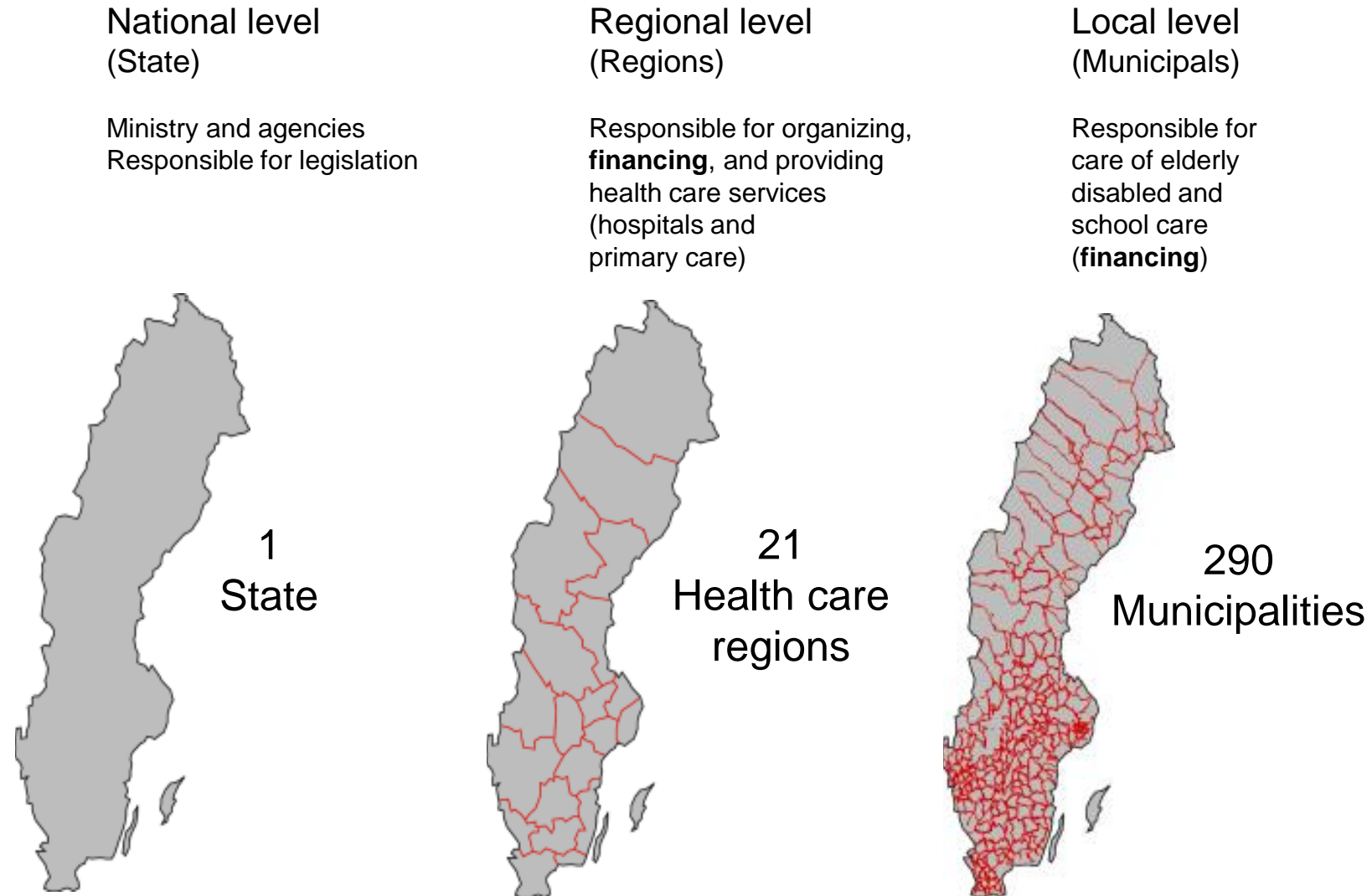


# Swedish e-Health strategies and national e-Services

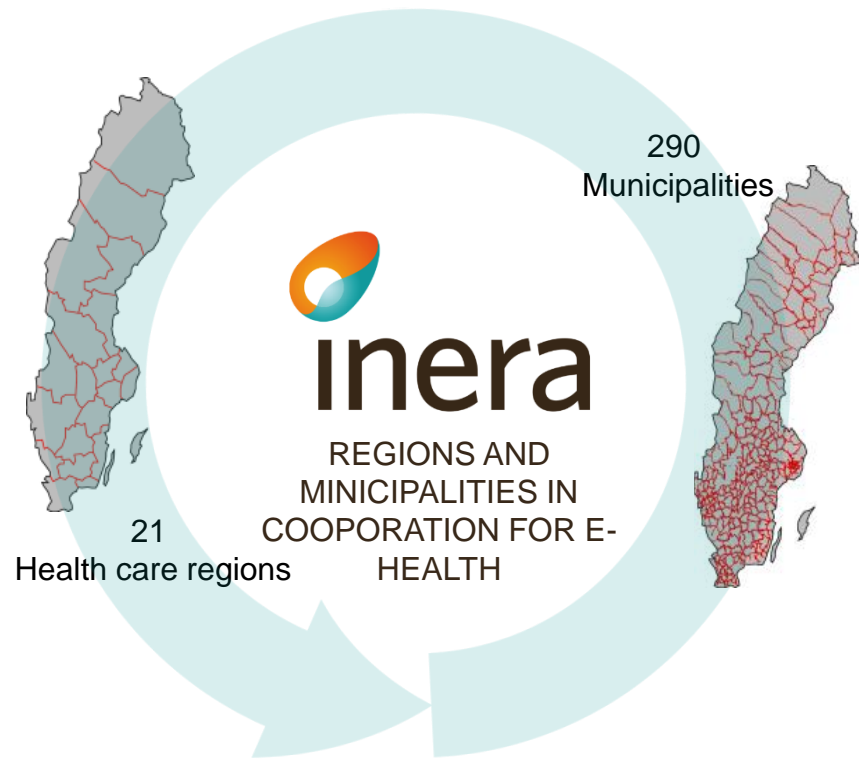
16<sup>th</sup> November 2017  
tomas.lithner@inera.se



# The Swedish health care landscape



# 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

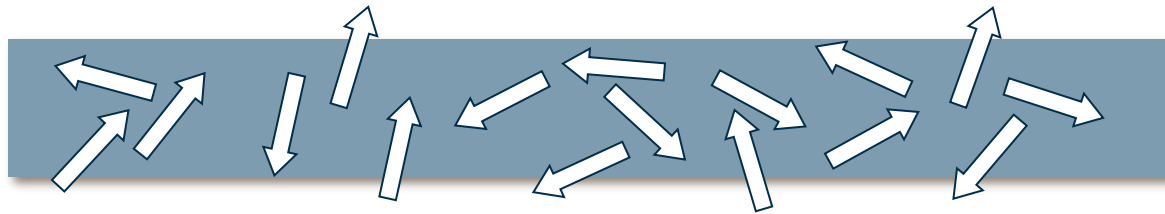
# Swedish national e-health strategies: 2009-2012, 2013-2018, 2016-2025



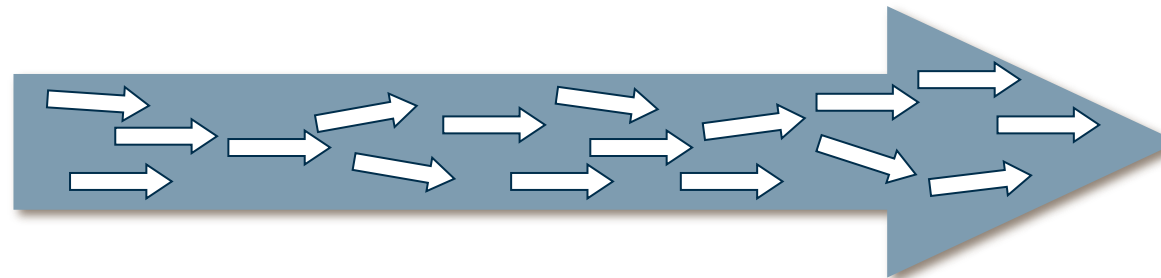
# 9 years of execution and coordination

## 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)



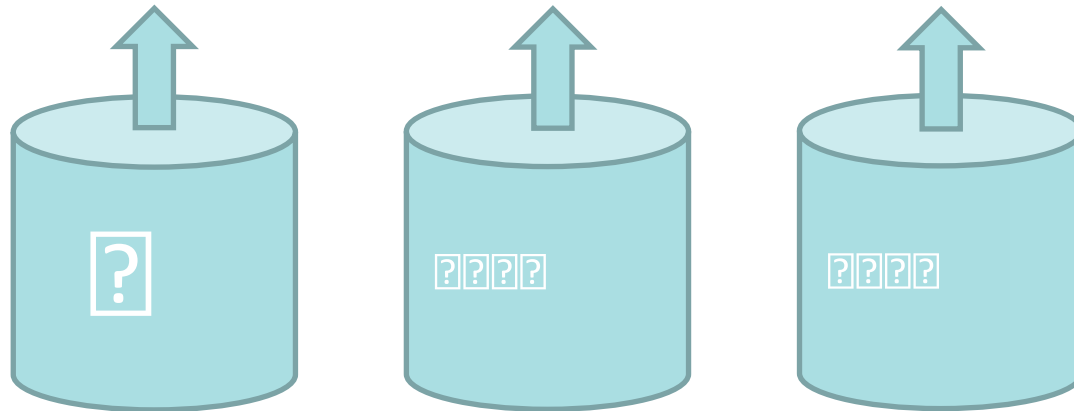
# Swedish national e-health vision 2025

- “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



Citizen master,  
Personal  
number  
(Tax authority)

Organisation and  
employee master  
catalogue  
(Inera)

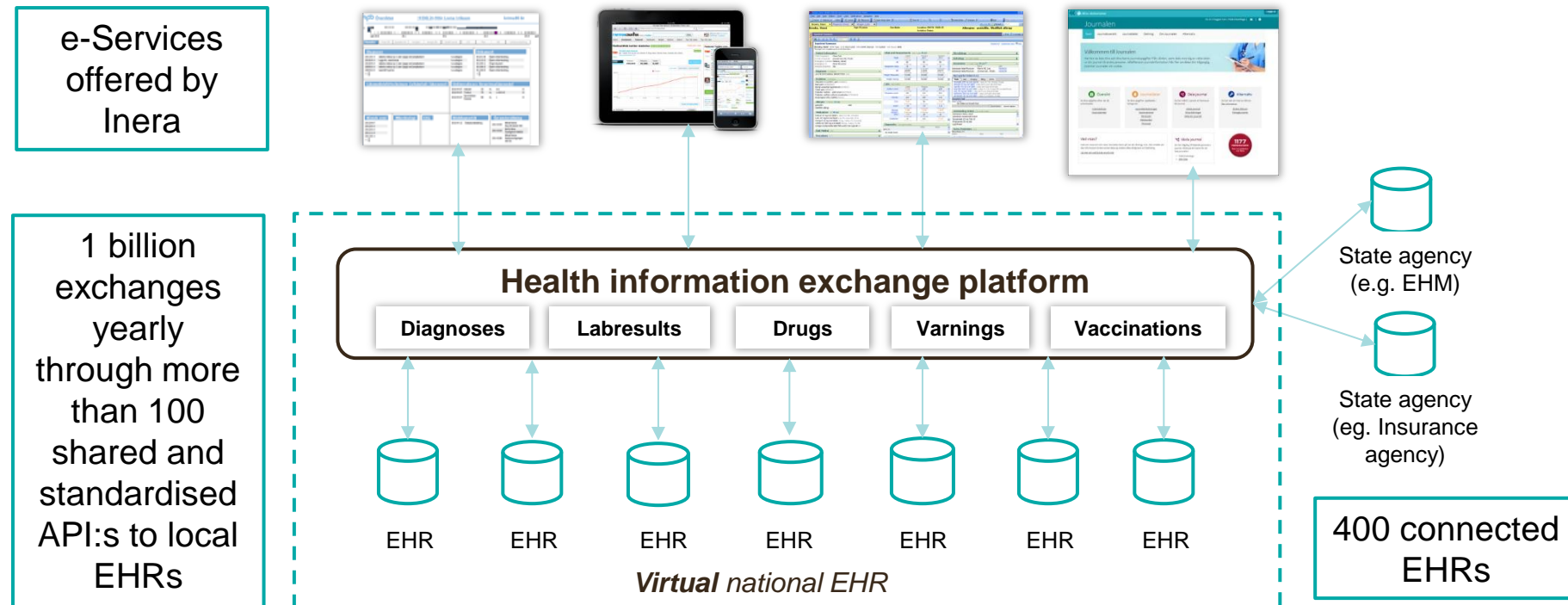
Authorization  
information  
services  
(Inera)



- National identification of health care employee (**Inera**)
- National mobile identification of citizens (bank federation)

# National health information exchange infrastructure

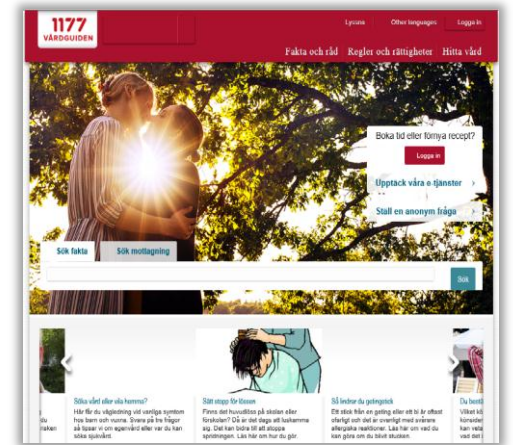
- National e-Services based on the HIE platform, API:s and connected EHRs
- The HIE platform with the shared APIs is hosted by Inera





# 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)

