

NSPC&NNGCP 2015

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Estonian E-health Foundation*



Connecting health



ESTONIA



Area - 45 000 km²
1.33 mlj. inhabitants

GDP:

Agriculture	3.9%
Industry	29,7%
Services	66,4%





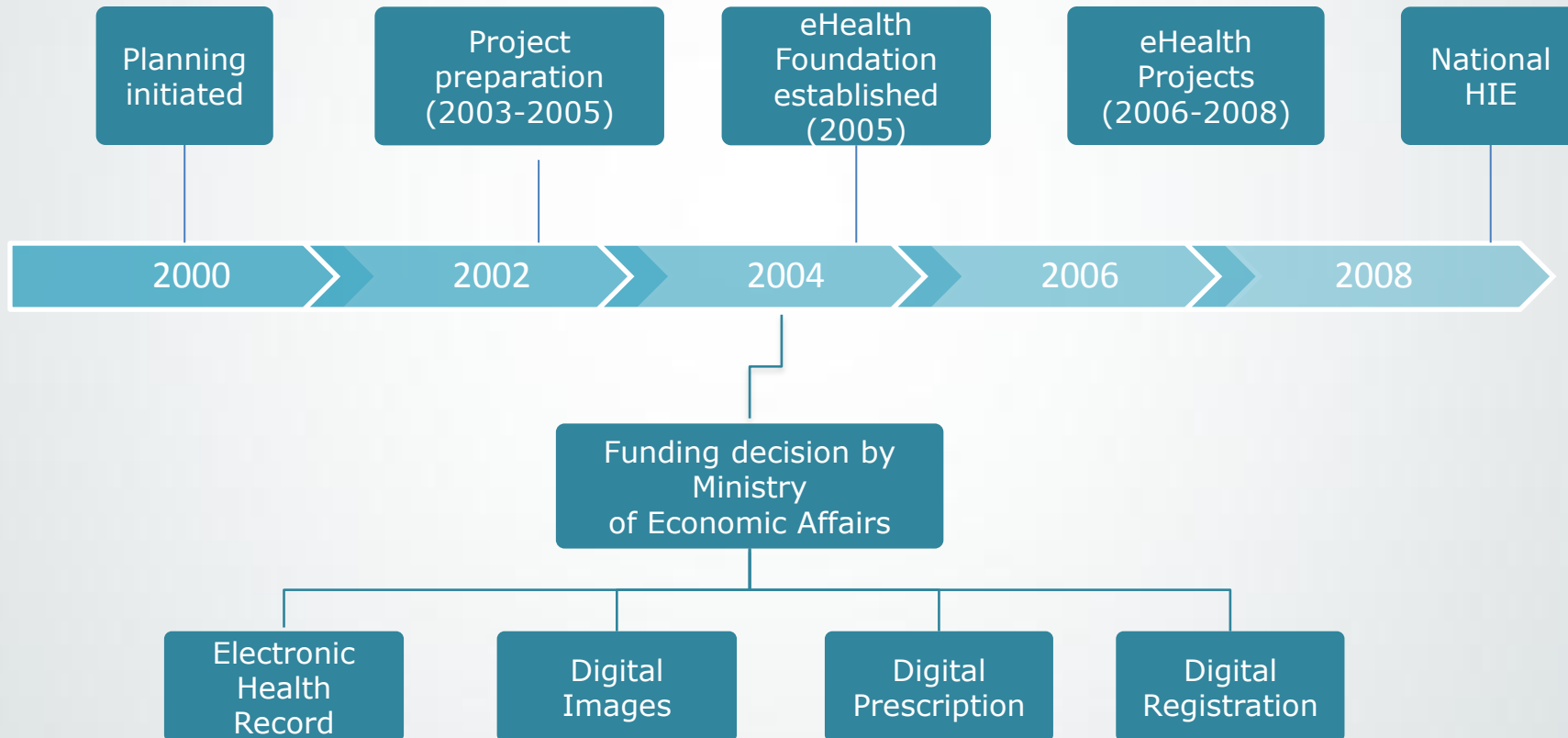
Healthcare expenditures in Estonia

- 6.9% from GDP 2013 – 1.12 bln eur
- 5.9% from GDP 2012 – 1.03 bln eur
- 5.9% from GDP 2011 – 0.94 bln eur
- 6.3% from GDP 2010 – 0.91 bln eur

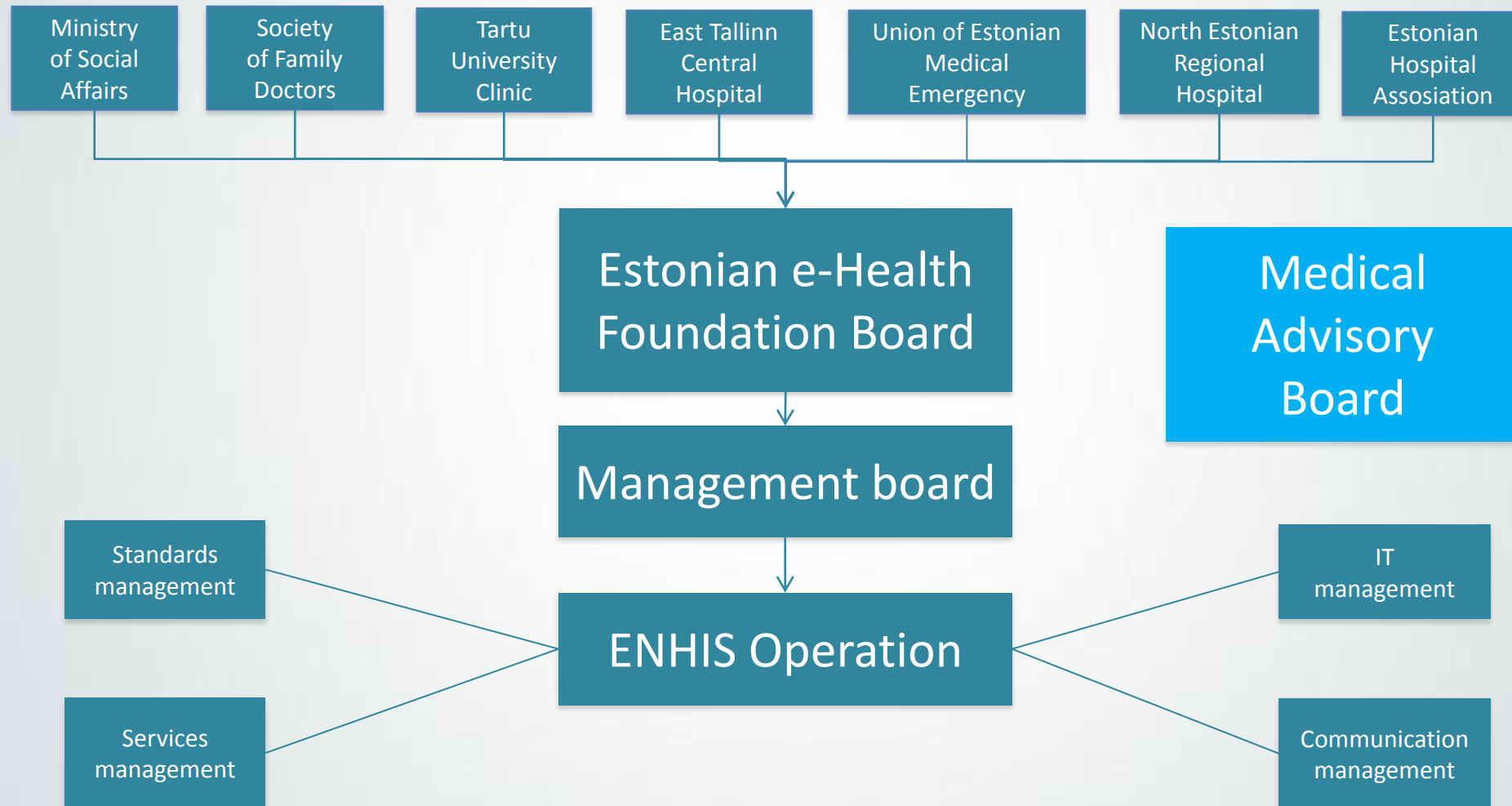
“Declare the past, diagnose the present,
foretell the future.”

— Hippocrates

HIE platform history

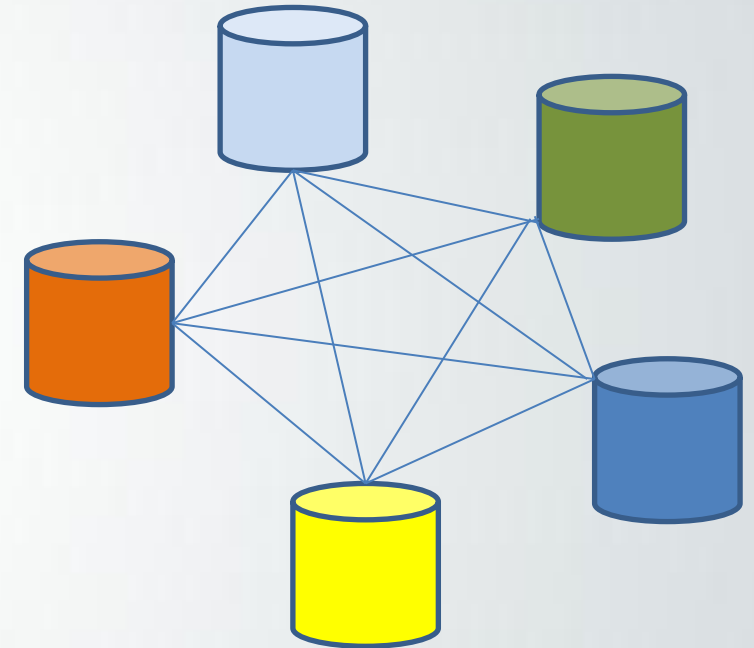
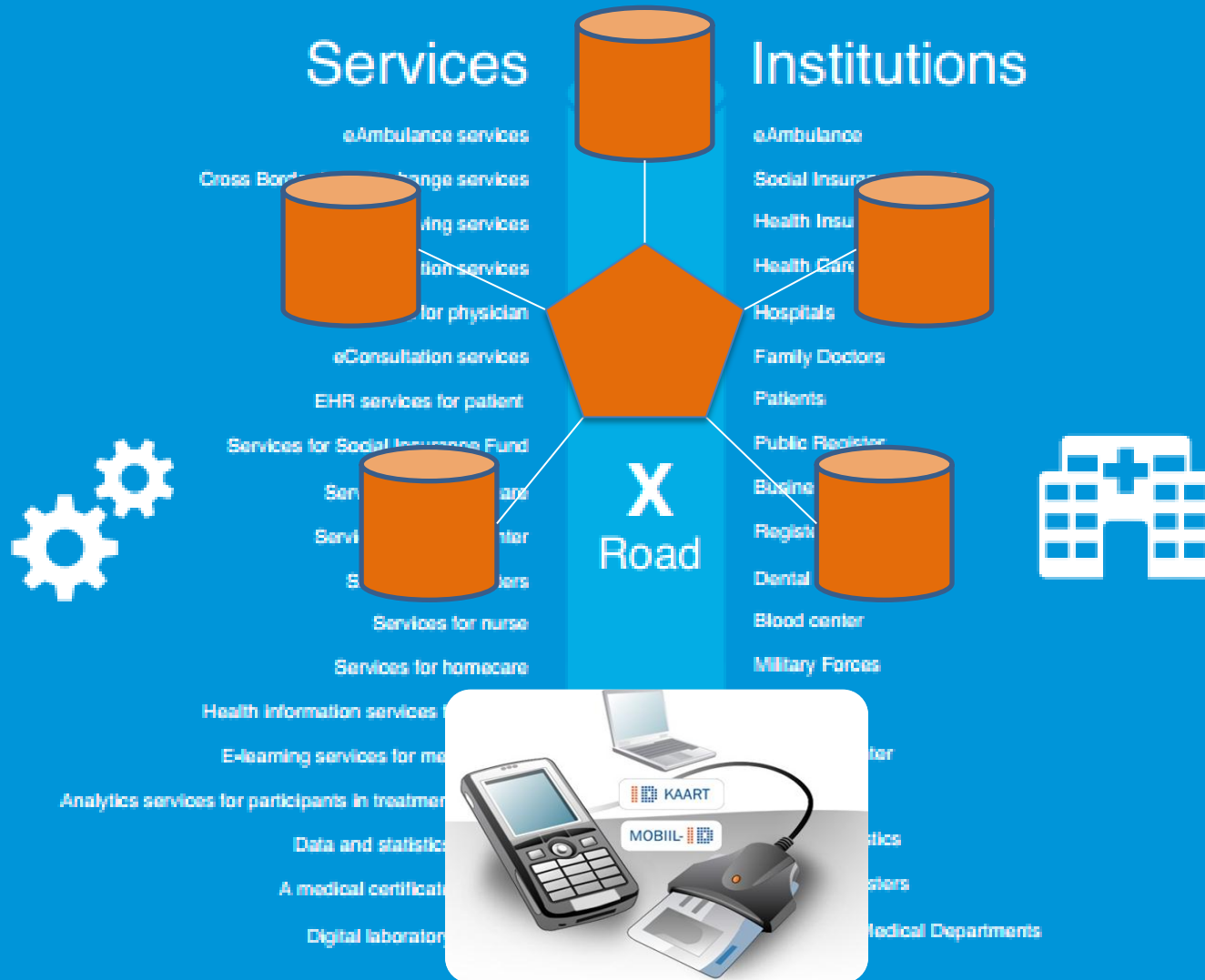


Organization



E-health and x-road – easy and secure access for services!

Access for all health service providers and patients.
Services for different participants in healthcare.



8 main softwares (totally 20)

752 associated juridical persons

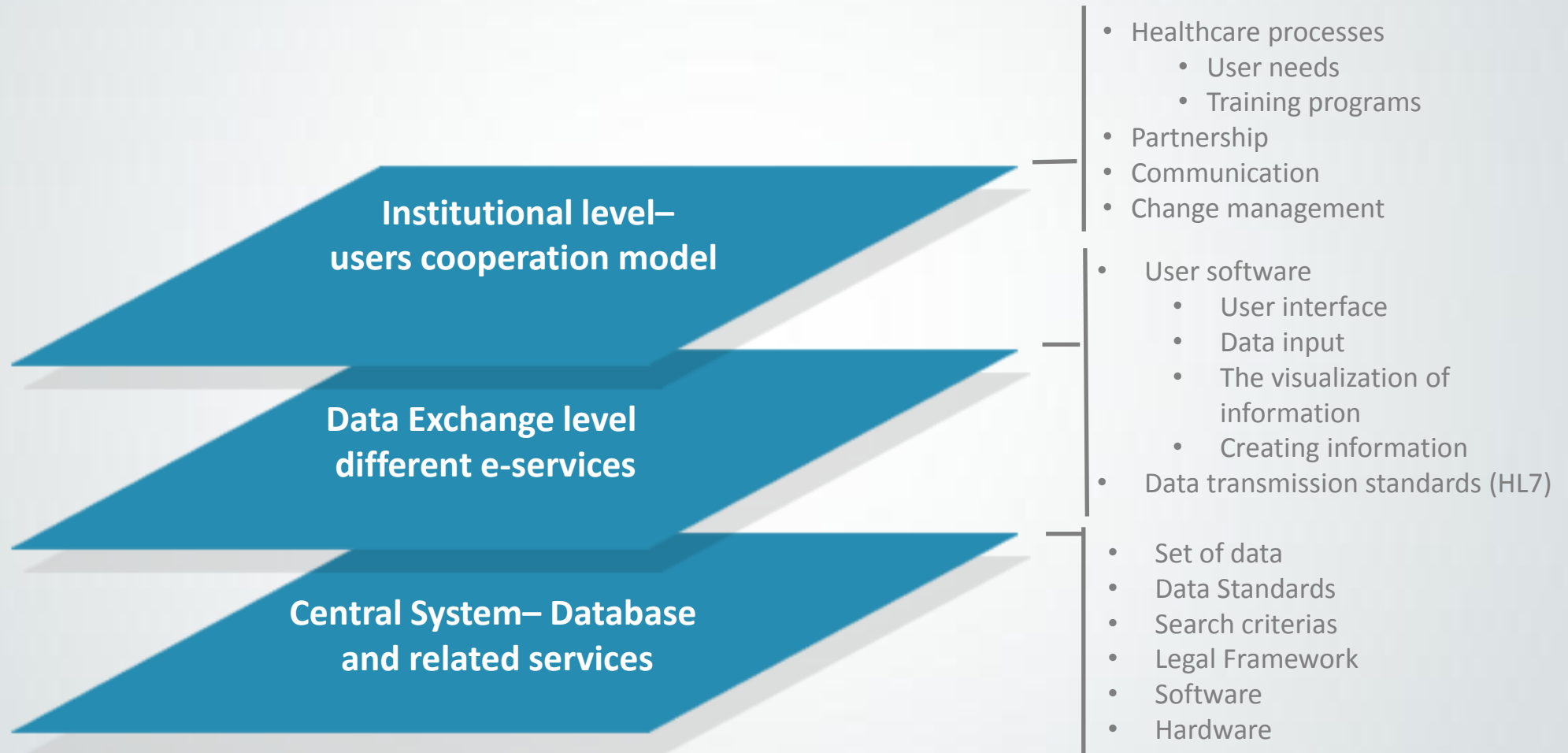
21 main hospitals

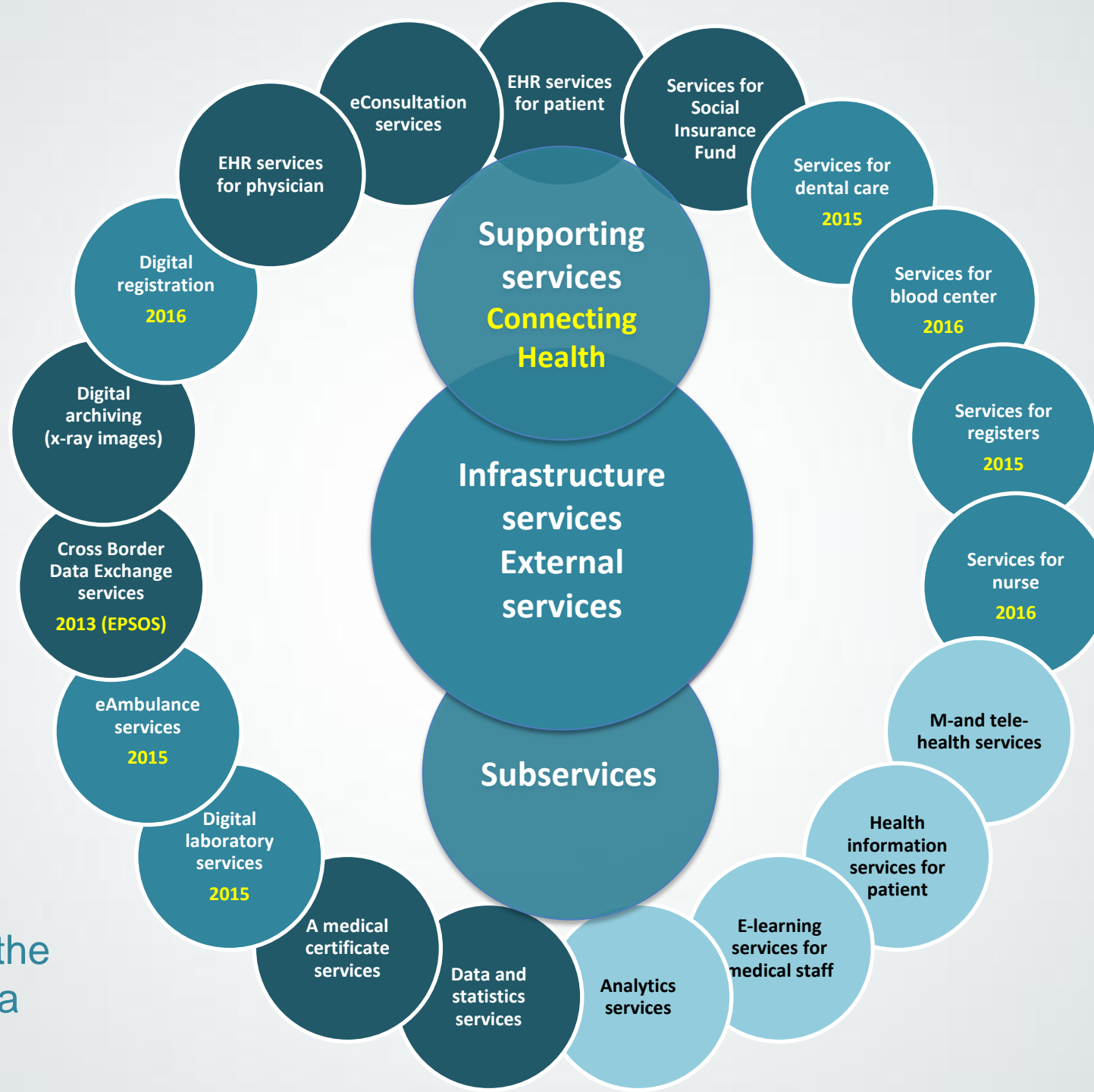
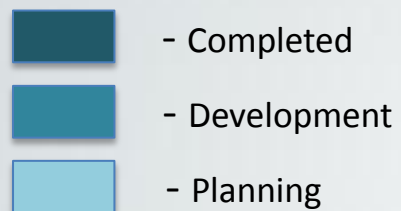
73 stationary healthcare institutions (hospitals)

479 family doctors (juridical persons)



The structure of Estonian Health Information System





Main services of the
eHealth in Estonia



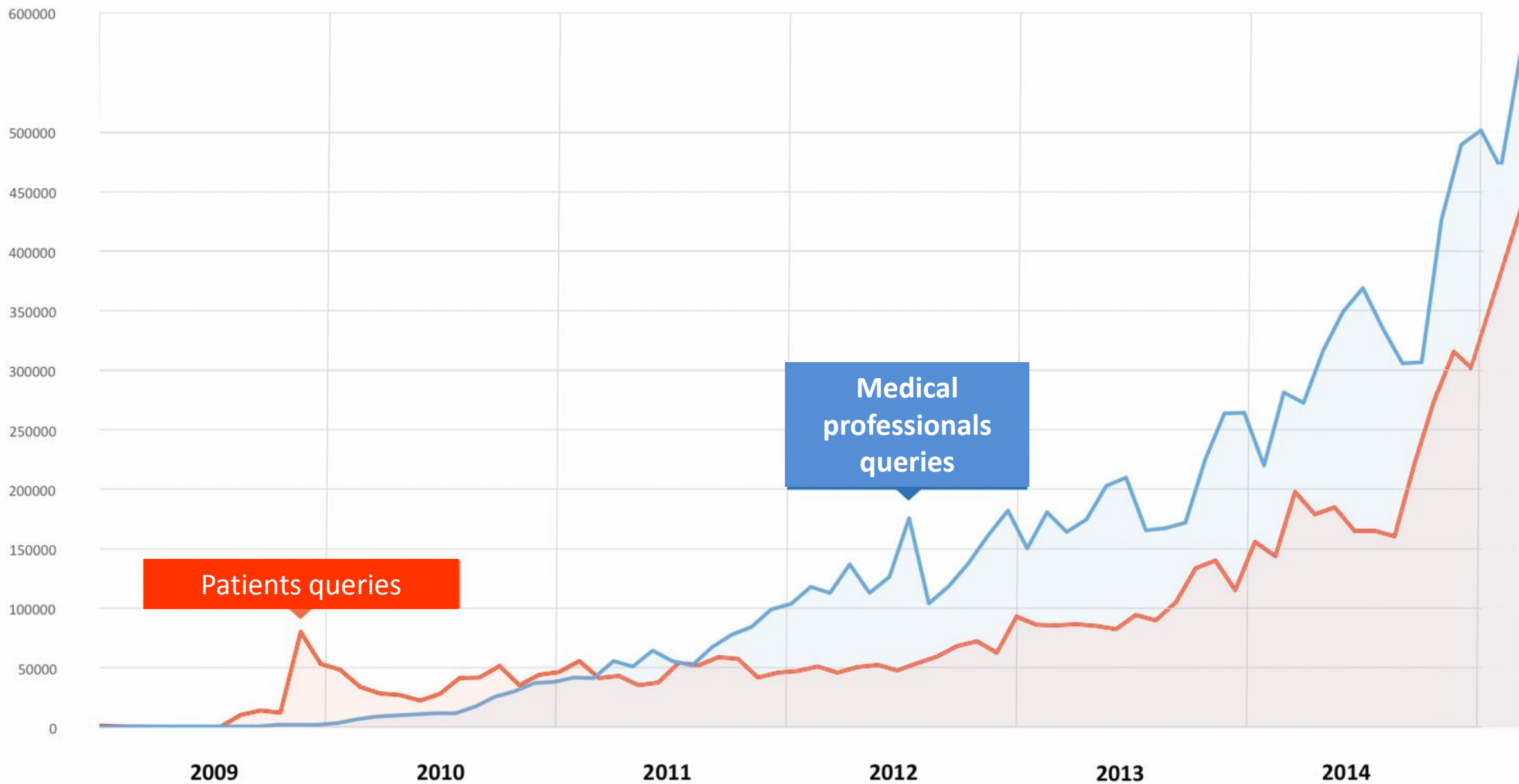
Change management



Co-operation

Acceptance

- All bigger hospitals use central system on a regular base
- The central system has over 10 500 medical users
- ePrescription covers 98% of issued prescriptions
- 98% of family doctors are sending documents to the central system
- Over 97% of stationary case summaries have sent to the central DB
- Ambulatory case summaries sending
 - No certain rules for sending ambulatory case summaries!
- 1.35 mio persons have documents in central system (98% of the population)
- 0.74 mio persons information in the central DB have used by medical professionals



PATIENT PORTAL (UPGRADE) – 1.3 mio persons medical data

Minu
andmed

14212128025
KINDLUSTATUD
Perearst: Nimi ja perenimi


Ava



Terviseandmed

Saatekirjad
Uuringute vastused
Epikriisid
Diagnoosid
Terviseteatis
Vaktsineerimise pass
Raviarved

Tahte-
avaldused

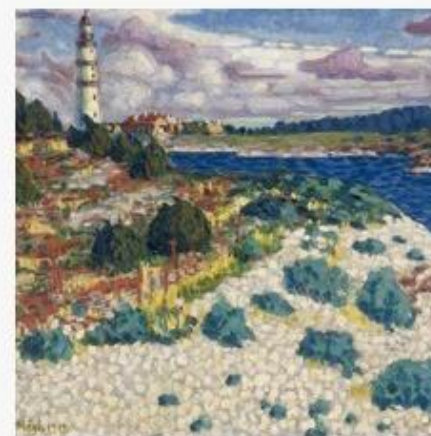


Esindatavad

KATY CUUSK
45002280288
CARL KUUSK
34908027790
JANEC CUUSK
39107077773
JANEC CUUSK
39107077773

Uuringud ja
analüüsid

Uuringute vastused
Analüüside vastused



Vaktsi-
neerimine

Esindajad

KATY CUUSK



Retseptid

Broneeri
vastuvõtu
aeg

Standards



FUTURE OUTLOOK



Connecting health

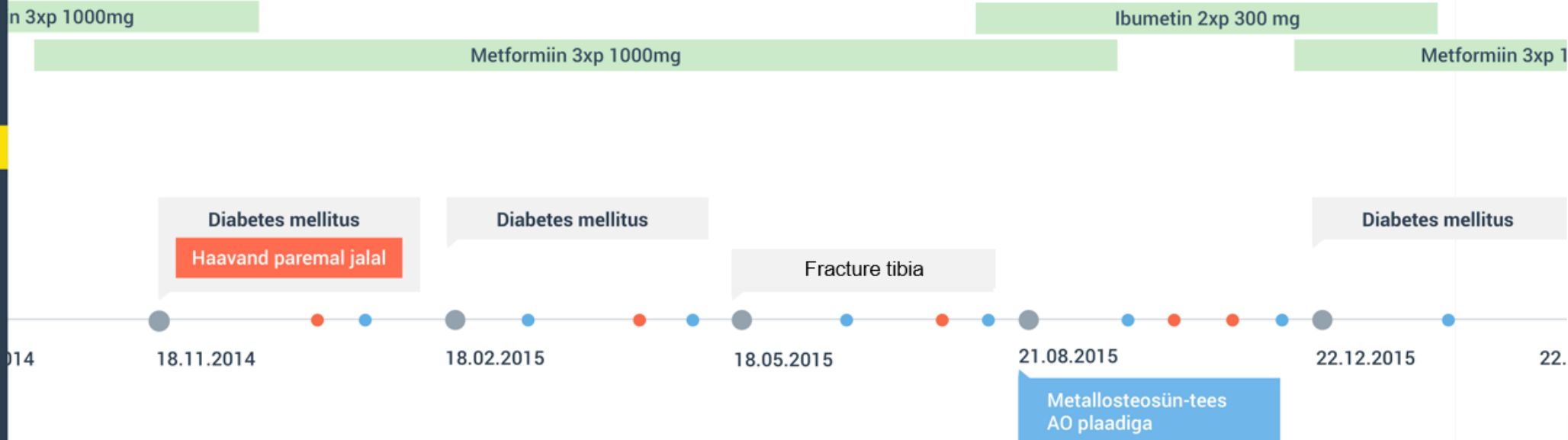


Diabetes mellitus

14.10.2013

Penitsiliiniallergia

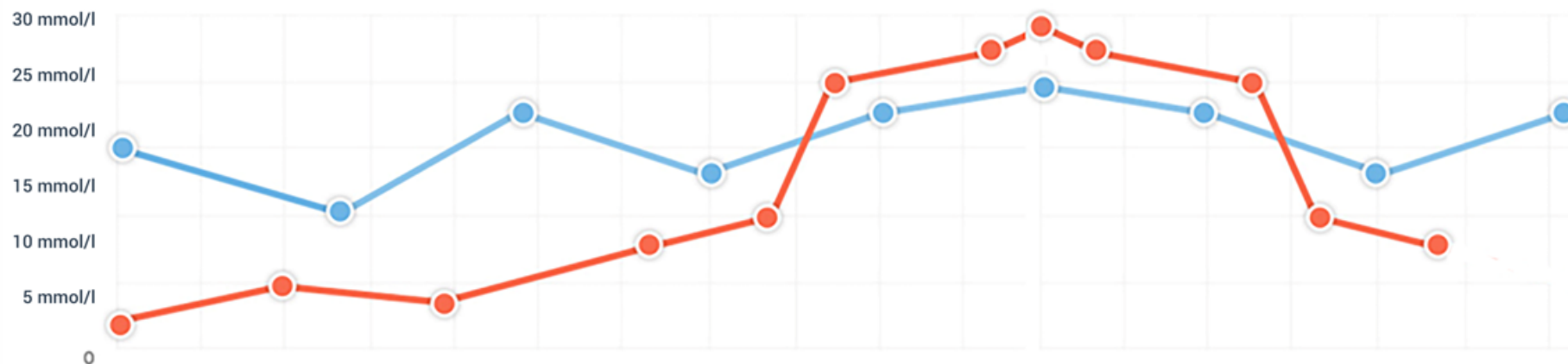
Muu oluline info



Analüüsid

Kolestorool X

C-reaktiivne valk X



Conclusion:

- **Comperhensive planning** – investments, processes and standards, legislation.
- **Usability** – fast and simple solutions, balance between security and usability
- **Implementation** – central training programs
- **Service update** – continuous feedback

Thank you!

