

eHealth Projects in Estonia

Erkki Leego

CEO

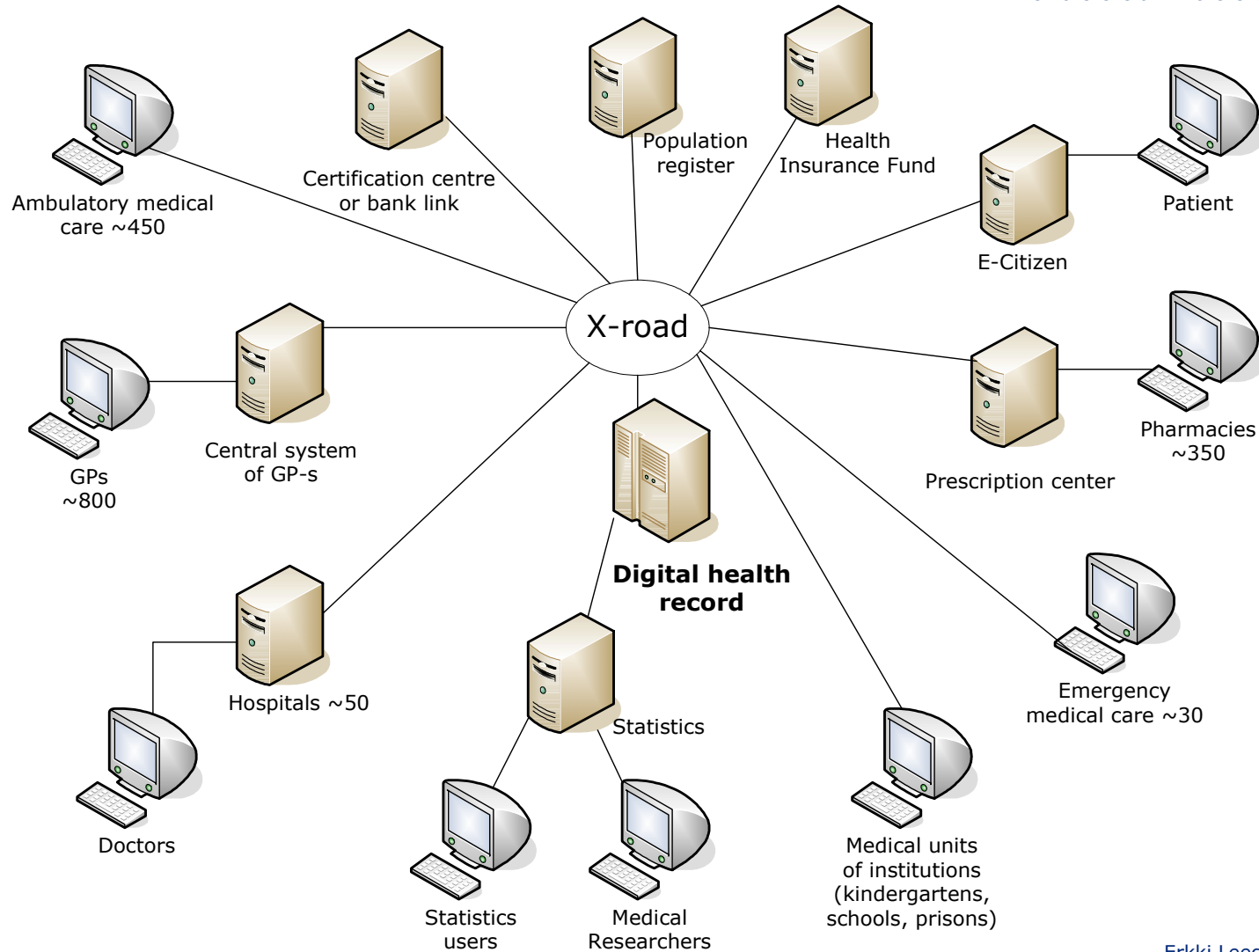
Hansson, Leego & Partner



Erkki Leego – CEO

Parties to the Health IS

When there is a will there is a way!



Erkki Leego - CEO

What is DHR project?



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When there is a will there is a way!

- National eHealth initiative since 2002
- Based on “Health information system development plan”
- Bounds together all Estonian eHealth initiatives
 - Reference register, communicator
 - Digital registration, Digital images, Digital prescription
 - Establishment of eHealth Foundation
- Public Procurement – summer 2005
 - Coordinator Ministry of Social Affairs
 - EU Structural Funds (28.3% of IT funds to eHealth projects, 2.2 MEUR)

Erkki Leego – CEO

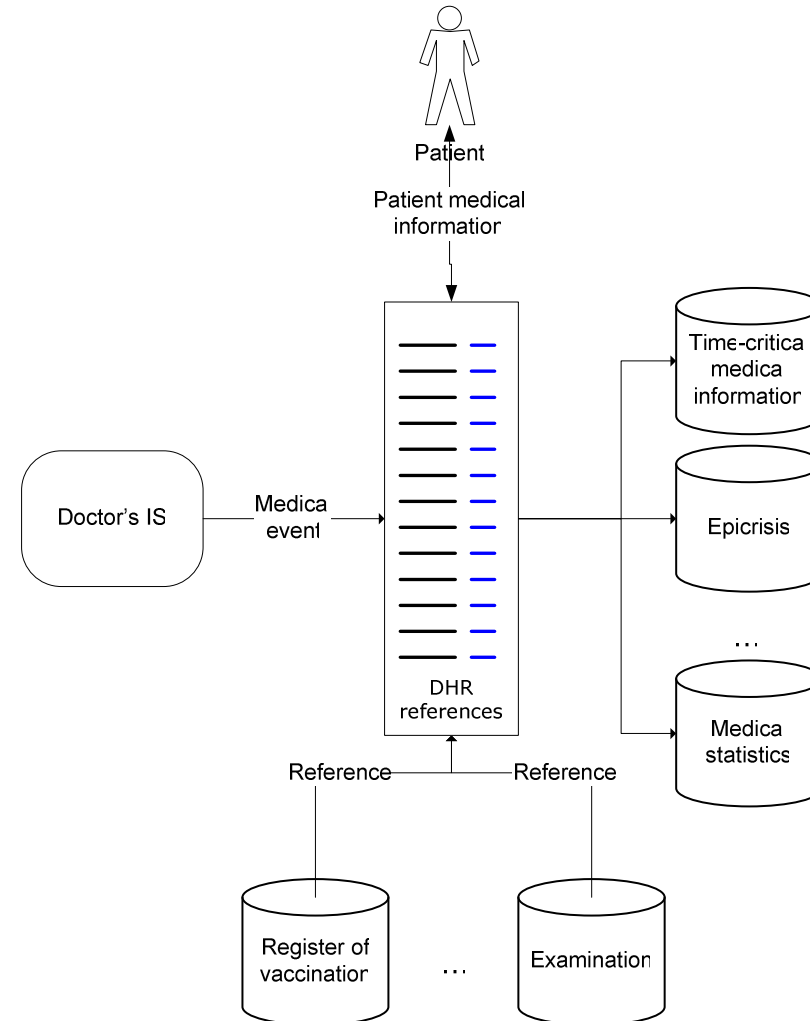
Digital health record



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When there is a will there is a way!

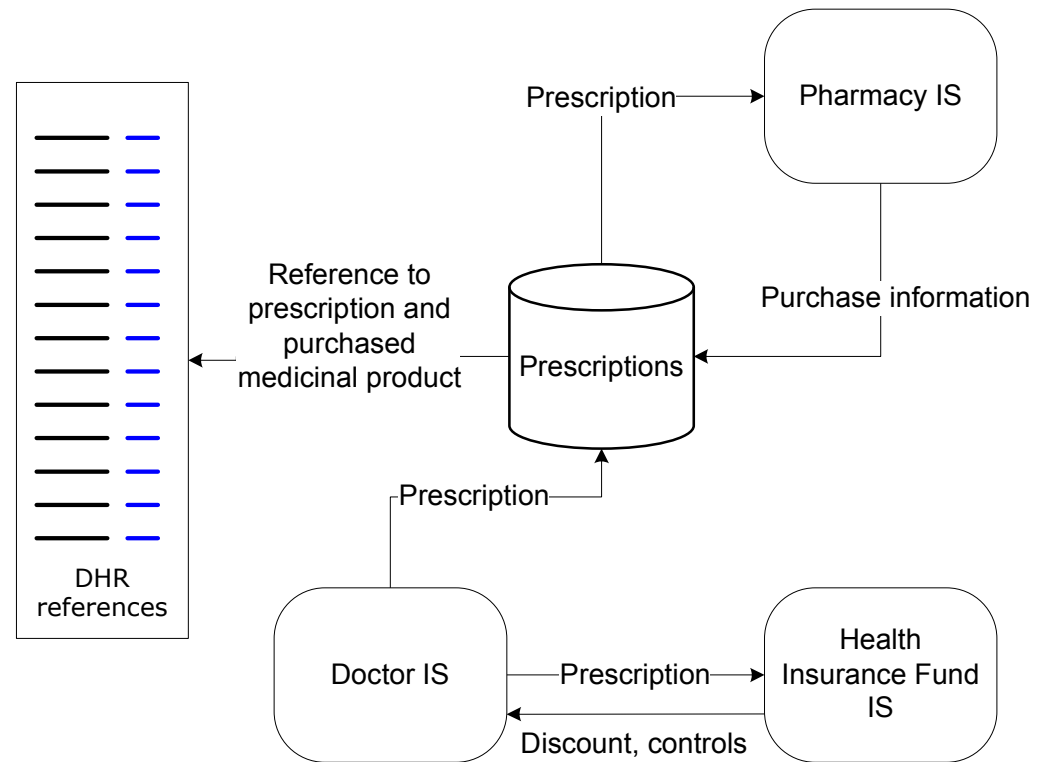
- Patient medical events with references to IS's
- Epicrisis database
- Time-critical medical information
- Information for medical statistics



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Digital prescription

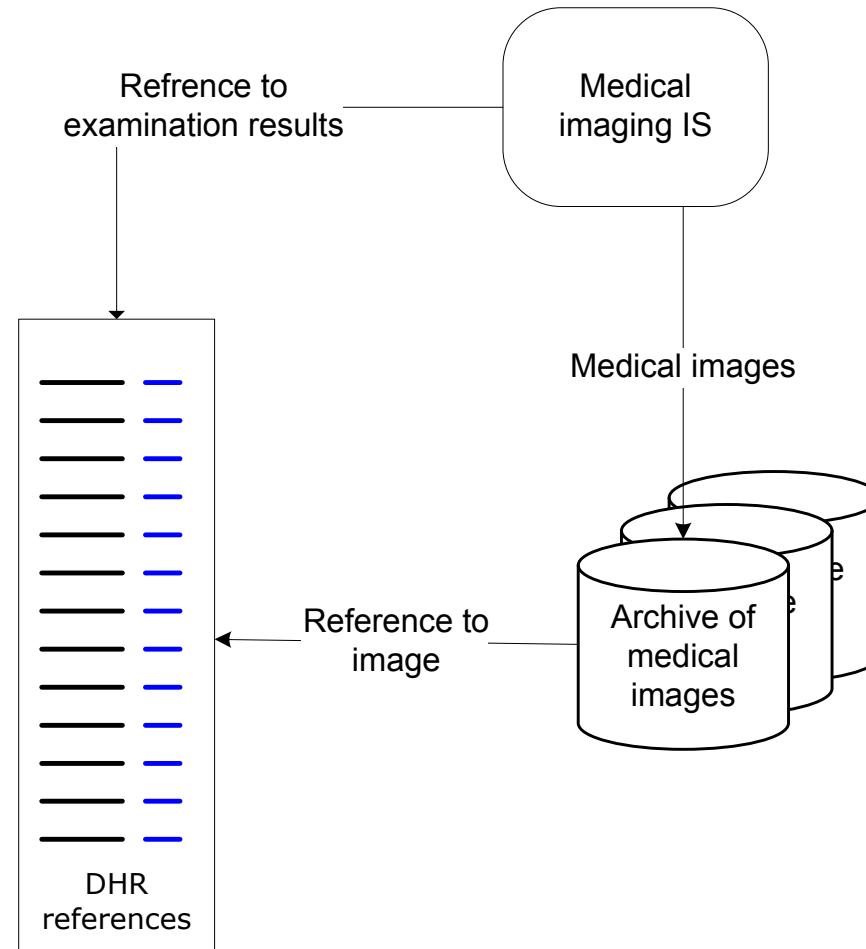
- Replaces paper document
- Automated discount calculation
- Purchase and prescription information



Digital images

When there is a will there is a way!

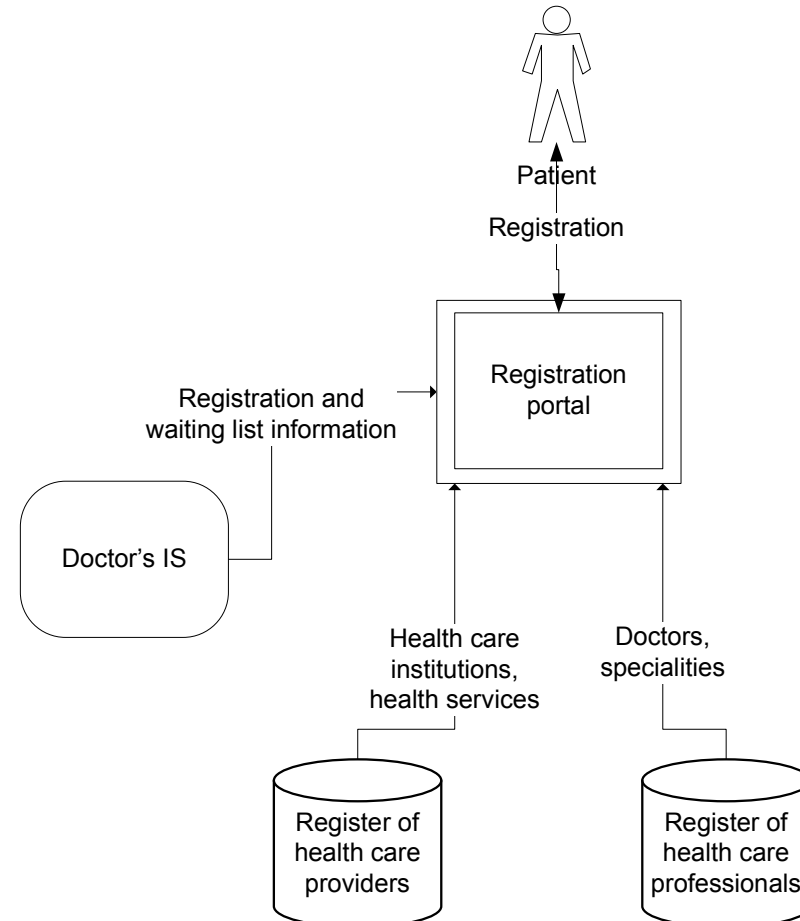
- Digital medical images available for all healthcare providers



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Digital registration

- Unified patient registration system
- Information about patient waiting list's



Other active eHealth projects



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When there is a will there is a way!

- Ministry of Social Affairs
 - Disease Surveillance System
 - Central registries
- Tartu University Hospital
 - eHL – electronical patient record system and eLaboratory
- East-Tallinn Central Hospital
 - Baltic eHealth – large transnational infrastructure for eHealth, the Baltic Sea Healthcare Network
- Tervisepank
 - Central web-based GP system
- 7i
 - Central web-based booking system

Erkki Leego – CEO

- X-tee (X-road)
 - Backbone of integration of state systems and registries
- PKI (Public Key Interface) and digital signature
 - Digital signatures are equivalent to handwritten ones
- ID-card
 - National identification card (mandatory document)
 - Smart card with two certificates and their associated private keys
 - 754 711 cards issued by 11.05.05 (population 1.3M)
- Central server centre
 - Currently 3 sites of servers for state systems

Conclusion

- Many interesting eHealth projects
 - National Digital Health Record Project
 - Baltic eHealth
 - eHL and eLaboratory
 - GP-system
 - Booking system

- Keys to success
 - eState infrastructure
 - Estonia is small country



- When there is a will there is a way!

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