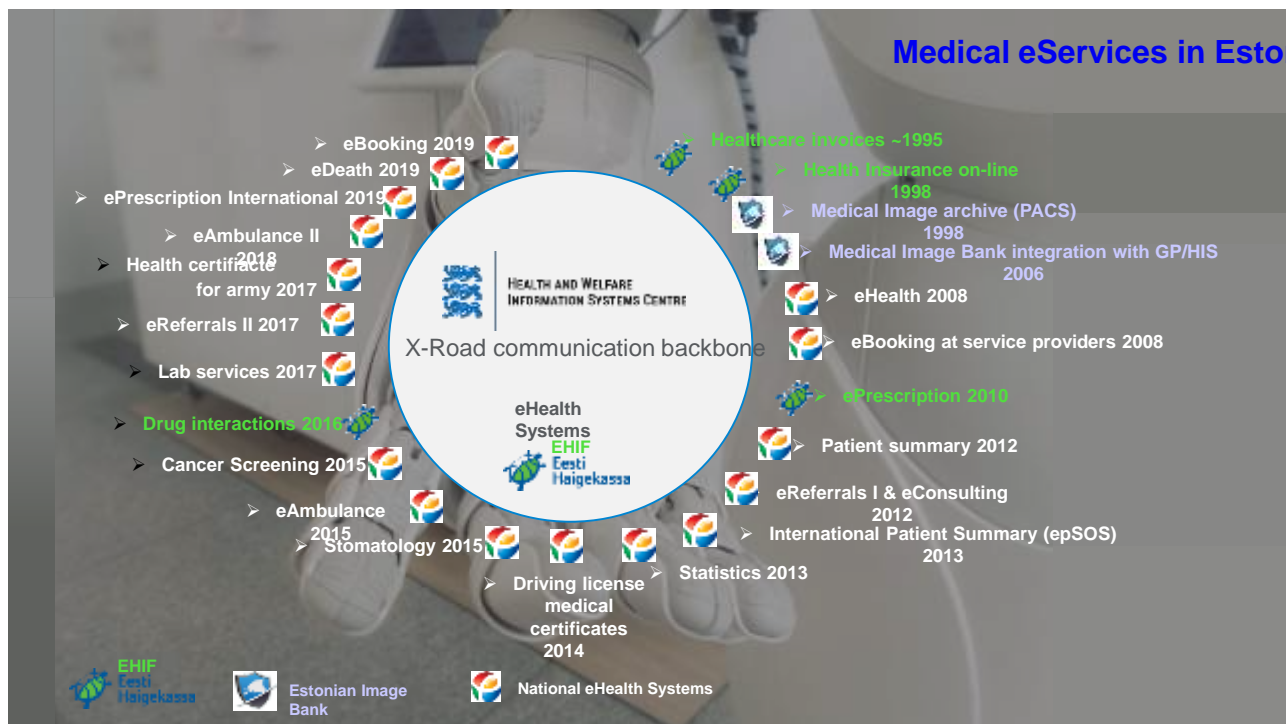


An aerial photograph of a lake at sunset. The water is a mix of purple, pink, and blue, reflecting the sky. The shoreline is visible with some trees and land. In the center of the lake, there is a large, light-colored shape that resembles a skull, which is the focus of the presentation title.

# The Next Wave of Digitalization in Health Domain

the coolest digital society

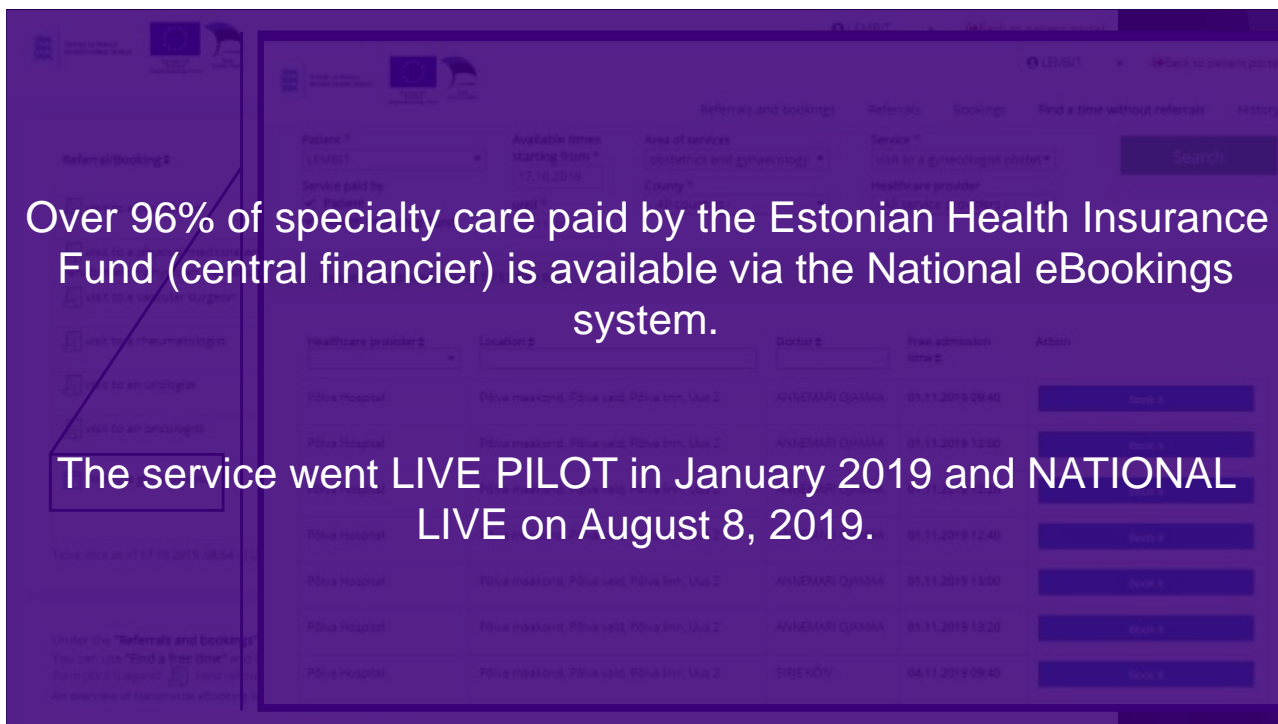
Karl H.  
Peterson



## ePrescription

- + Over 99% prescriptions in electronic form
- + Prescriptions based on active ingredient
- + Drug-to-Drug interaction database
- + Seamless integration to stakeholder desktop
- + Savings compared to the cheapest option available
- + Purchase right forwarding
- + Real-Time integration of refunds
- + door-to door robot transport

© August



Over 96% of specialty care paid by the Estonian Health Insurance Fund (central financier) is available via the National eBookings system.

The service went LIVE PILOT in January 2019 and NATIONAL LIVE on August 8, 2019.

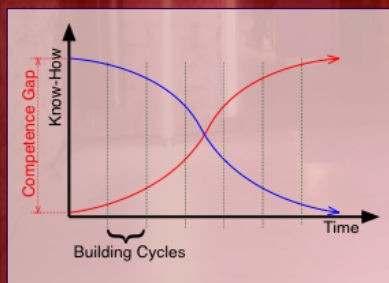
# THE HUMAN PERSPECTIVE





# MANAGING THE CHANGE

- + Learning
- + On-Boarding



© EAS

## Clinical Decision Support

950 clinical algorithms.  
1600 context sensitive links to treatment guidelines.  
Integration with Electronic Health Record

Seamless integration to practitioner desktop.  
Population-wide coverage.

© EAS

# PharmacoGenetics

„... the implementation of pharmacogenetic recommendations based on genotyping affects at least 50 daily drug doses per 1000 inhabitants.“

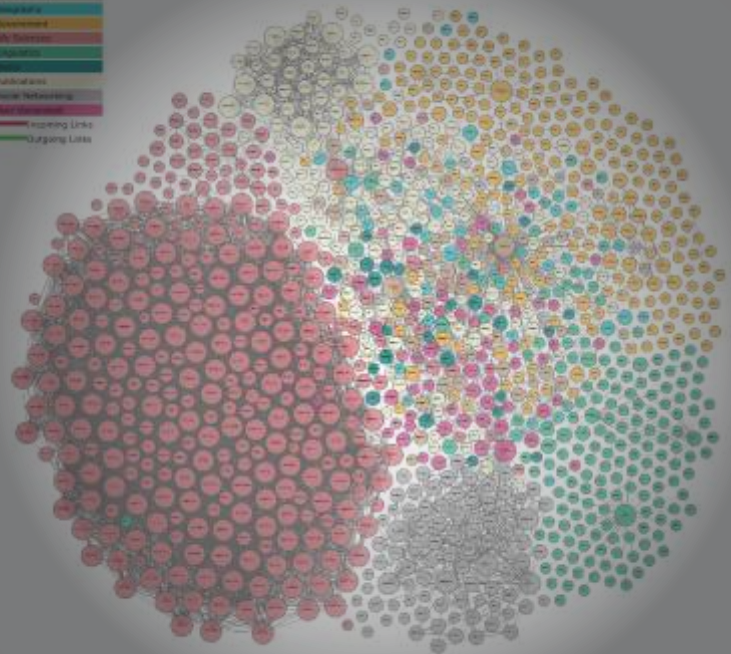
Genetics in Medicine 21, 1345-1354 (2019)  
Sulev Reisber et al.



© Pictogram - iStock.com

# Open Data

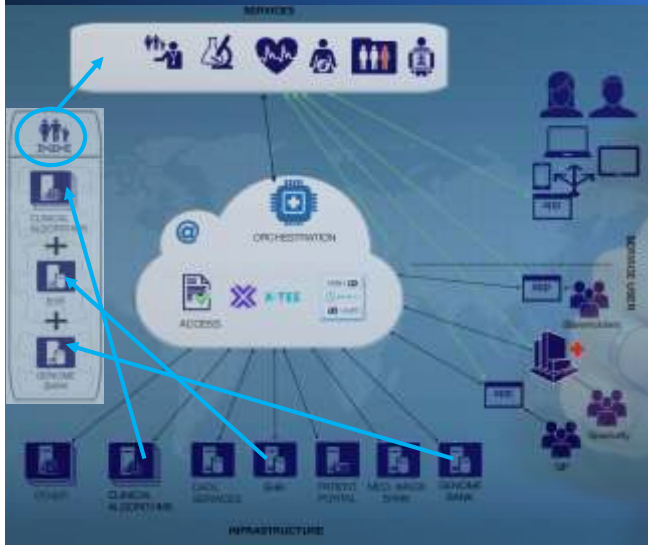
Organs  
 Genomes  
 Proteomes  
 Metabolomes  
 Lipidomes  
 Publications  
 Social Networking  
 Data Mining  
 Knowledge Graphs  
 Emerging Links



The Linked Open Data Cloud from lod-cloud.net



# Service Composition



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# Service Composition



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