An Estonian example – Digital Health in Estonia

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Estonia is an e-country





e-governance

Did you know that 99% of public services are available to citizens as e-services?

- Government Cloud
- i-Voting
- State e-Services Portal
- e-Cabinet



mobility services

Did you know that self-driven vehicles have been allowed to drive on public roads in Estonia since 2017?

- Intelligent Transportation Systems
- Mobile Parking
- Border Queue Management



business and finance

Did you know that you can establish a company in Estonia just in 18 minutes?

- e-Tax
- e-Banking
- e-Business Register
- Industry 4.0

3700 IT companies in Estonia
7% GDP in IT sector
SKYPE Development Centre in Tallinn
NATO Cyber Defence Centre in Tallinn

Innovative e-solutions in Estonian healthcare



- 99% of health data digitized
- 99% of prescriptions are digital
- e-referral, e-consultation
- 100% electronic billing in healthcare

Patient Portal

The Patient Portal allows you to view your medical data, submit statements of intention, appoint representative(s) for yourself, and act on behalf of the persons who have appointed you as their representative.

Please refer all questions, technical issues and proposals for further developments to the help desk of Health and Welfare Information Systems Centre by phone at +372 794 3943 (7:00-22:00) or e-mail at abi@tehik.ee





Health information system

The health information system includes medical data the health care service.

Security

Data security is extremely important. Each activity leaves a mark

Important topics

Web pages where you can find systemic information related to health and health care management.

Legal aspects

The Health Information System and the My Health portal base their activities on the legislation of the Republic of Estonia and the European

News, Press

Activities,

Objectives

Ministry, Contacts



Home > News > Estonia Offers 100,000 Residents Free Genetic Test...

Estonia Offers 100,000 Residents Free Genetic Testing



Estonia has started a program to recruit and genotype 100,000 new biobank participants as part of its National Personalized Medicine programme. Effort aims to develop personalized medicine in national healthcare.

The government wants to develop its healthcare system by offering all its residents genome-wide genotyping that will be translated into personalized reports for use in everyday medical practice through the national e-health portal. The country has many encrypted digital solutions incorporated into government functions that link the nation's various databases through end-to-end encrypted pathways.



"Today we have enough knowledge about both the genetic risk of complex diseases and the interindividual variability of the effects of medicines in order to start using

Gene donors storming the Genome Center

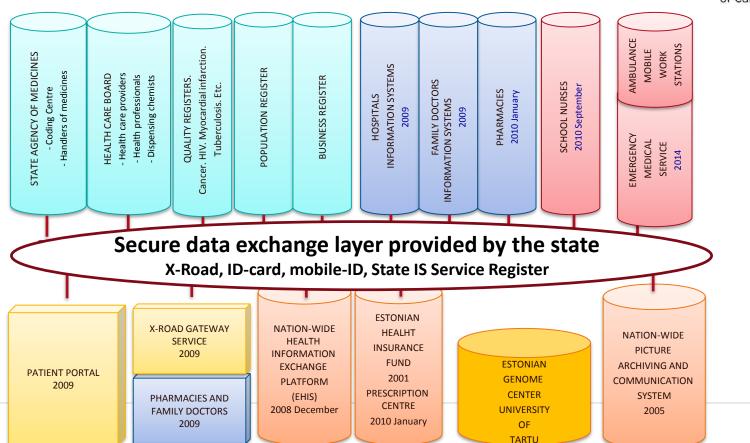


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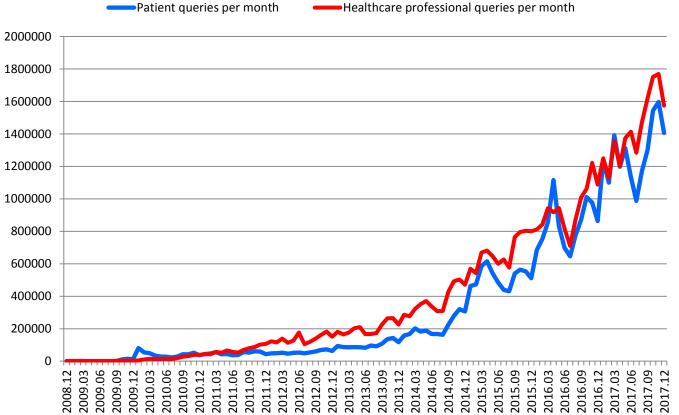
Architecture of Estonian nation-wide Health Information System (since 2008)





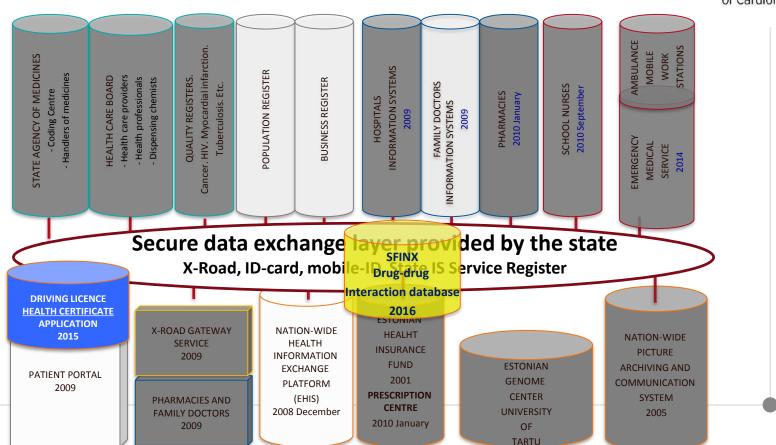
Use of digital data in Estonia





e-services crossing institutional borders





EU launch of a cross-border drug prescription on 21.01.2019





Activities, Objectives News, Press

Ministry, Contacts

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Home > News > Finns can buy medicines with a digital prescriptio...

Finns can buy medicines with a digital prescription in Estonia

"Estonia and Finland, as the first countries, will launch a service that allows buying prescription drugs in another country, "said **Riina Sikkut**, Minister of Health and Labour. "Agreements between member states lead to real solutions that will enable health data to move along with the person and thereby enable to provide better medical care to millions of European people who travel, study or work in another European country. This is what Estonia stood for also during the Estonian EU Presidency."

According to Riina Sikkut, the launch of a cross-border prescription is a historic milestone, but still only a first step on this long road. "In the next few years, we would also like to enable the transmission of other health data so that, in case of a health problem in a foreign country, the physician would also have access to a summary of the medical history for the provision of better

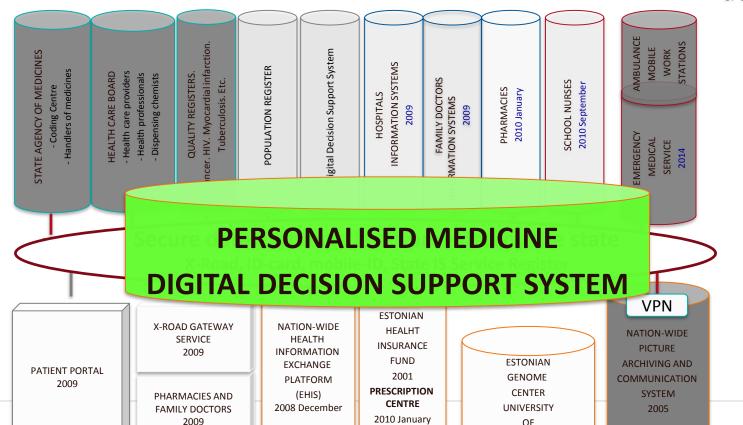
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#DigitalHealth

https://ec.europa.eu/health/ehealth

Digital Decision Support System

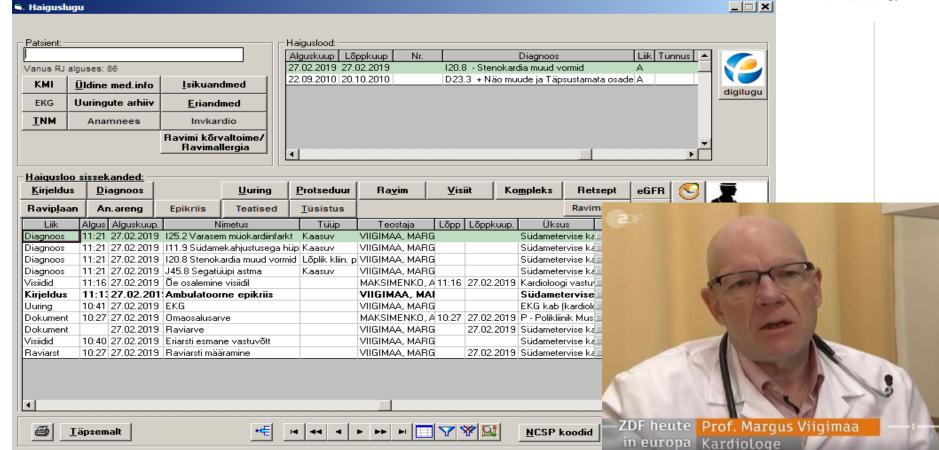




TARTU

Digital Cardiology in Estonia





EU Digital health innovation conference Tallinn 2017



Over 100 European organisations address digital innovation in healthcare

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Today, 17 October, at a high-level e-health conference in Tallinn, a joint declaration of e-health organisations was announced to accelerate digital innovation in healthcare. The declaration of over 100 European organisations' calls for concrete steps to develop e-health in Europe and all stakeholders interested in the future of e-health are expected to co-endorse it and to join the taskforces working on concrete actions and solutions.

European Commissioner for Health and Food Safety Vytenis Andriukaitis, who attended the eHealth Conference in Tallinn, has also been at the forefront of e-health development in Europe. "I welcome that the Estonian Presidency has made EU cooperation to support digital health innovation a priority. At the informal Council meeting in July, health ministers articulated their willingness to be more ambitious on digital health and to collaborate more effectively on issues such as data security, cybersecurity and new software products for

all with the patients to make digital health in Europe a reality."



Today, 17 October, at a high-level e-health conference in Tallinn, a joint declaration of e-health organisations was announced to accelerate digital innovation in healthcare, (foto: Aron Urb / EU2017EE)

data sharing," Andriukaitis said. "It seems that the momentum to converge our efforts has finally arrived. Let us all work together with governments, health professionals, businesses, and researchers, but above

Welcome to the ESC Digital Summit! Tallinn, October 5-6, 2019





The ESC

Congresses & Events

Journals

Guidelines

Education

Research

European Society of Cardiology > Congresses & Events > ESC Digital Summit > About the Summit

ESC Digital Summit About the Summit Scientific Programme Registration Exhibition and Industry

About the ESC Digital Summit

"Digital Health is disrupting the usual way the patients and healthcare professionals interact"Prof. Martin Cowie, FESC, Digital Health Committee chair







Digital Health is now the third largest industry in the European health sector, after pharmaceuticals and medical devices. But where do the experts stand on Digital Health today and what are the opportunities and the hurdles that lie ahead?

With this first Summit on Digital Health, the ESC is positioning itself at the forefront of this new domain in Cardiovascular Medicine. We aim to provide a structured scientific and educational programme, as well as a platform for exchange and interaction to support the development of Digital Health across the ESC and its constituent bodies.



THANK YOU VERY MUCH!



eHealth screen