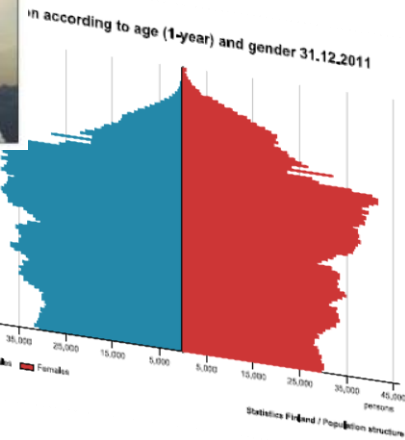# eHealth and eSocial in Finland - today and 2020

Anne Kallio

MSAH Finland
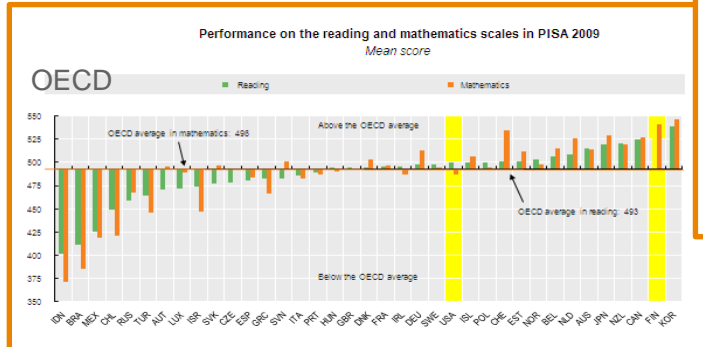
Finland?

- population 5,4 million
- 38% have tertiary education

The Economist

The next supermodel

Why the world should look at the Nordic countries

A 14-PAGE SPECIAL REPORT

Population according to age (1-year) and gender 31.12.2011

Statistics Finland / Population structure

Public trust in institutions*
November 2012, % responding "tend to trust"

	0	10	20	30	40	50	60
Finland							
Denmark							
Sweden							
EU-27							
Russia							

Source: European Commission   *Including the press, political parties, national government, the EU and...

Top of the class
2012 index rankings

Overall rank*	Country	Global competitiveness	Ease of doing business	Global innovation	Corruption perceptions	Human development†	Prosperity
1	Sweden	4	13	2	4	10	3
2	Denmark	12	5	7	1	16	2
3	Finland	3	11	4	1	22	7
4	Norway	15	6	14	7	1	1
5	Switzerland	1	28	1	6	11	9
6	New Zealand	23	3	13	1	5	5
7	Singapore	2	1	3	5	5	5
8	United States	7	4	10	19		
9	Netherlands	5	31	6	9		9
10	Canada	14	17	12	9		9
11	Hong Kong	9	2	8	14		
12	Australia	20	10	23	7		7
13	Britain	8	7	5	17		
14	Germany	6	20	15	13		
15	Ireland	27	15	9	25		

Sources: World Economic Forum; World Bank; INSEAD and World Intellectual Property Organisation; Transparency International; UNDP; Legatum

Performance on the reading and mathematics scales in PISA 2009
Mean score

OECD

- Reading
- Mathematics

OECD average in mathematics: 496
Above the OECD average
OECD average in reading: 493
Below the OECD average

NEWSWEEK's list of the world's best counties to live 2010
1. Finland
2. Switzerland
3. Sweden

Why cold, dark, small, and depressive nations top the rankings.
Newsweek, Aug 16, 2010 8:00 AM EDT
Codrescu is the author of The Poetry Lesson and the editor of Exquisite Corpse (corpse.org).

Health and social care in Finland

OECD Economic Surveys: Finland 2012:

The highly decentralised health care system with multiple tracks and parallel financing contributes to inequality and inefficiency

Key principle
• Residence-based, universal and equal right to health and social care services

Provision
• Municipalities (317) organise and fund
  • primary health care and specialised medical care
  • 20 municipality owned hospital districts and appr 170 health care centres
  • social care
• employers organise
  • preventive occupational health care
• private health care appr 25%

⇒ *Reform is planned*
Common organiser for social and health care services

Pohjakartta © Karttake
HP 25.11.2014
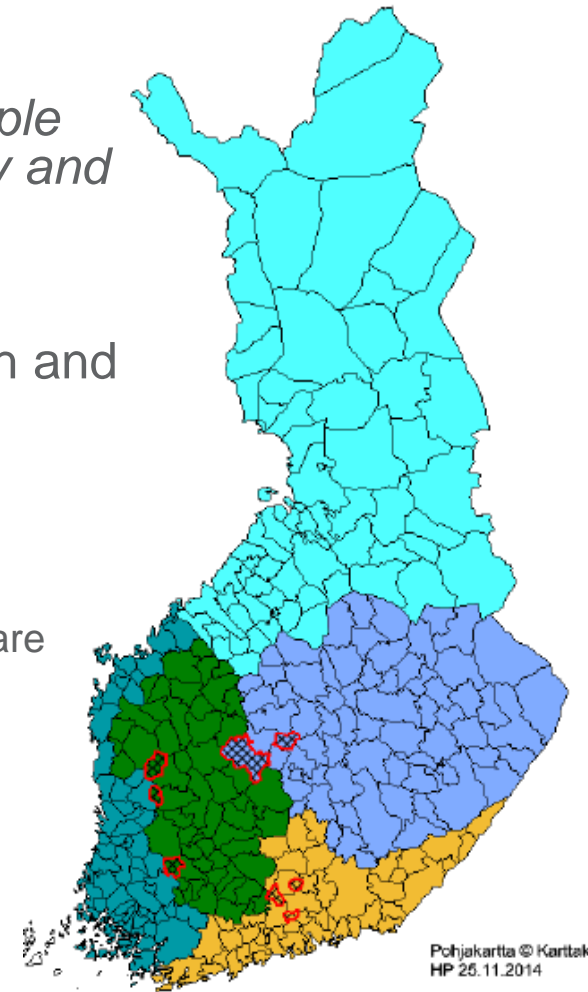
National eHealth house in Finland today

National eHealth
Kanta-services

Local infrastructure
100% EHR, Pacs etc

Functionalities now

- My Kanta pages - eView and Patient Information service for citizens
- structured patient information available for professionals
- ePrescription

Roof

- local implementations -> standard patient information in national repository
- obligatory for private and public, primary and secundary health care

Floors

- adjusement of local EHRs
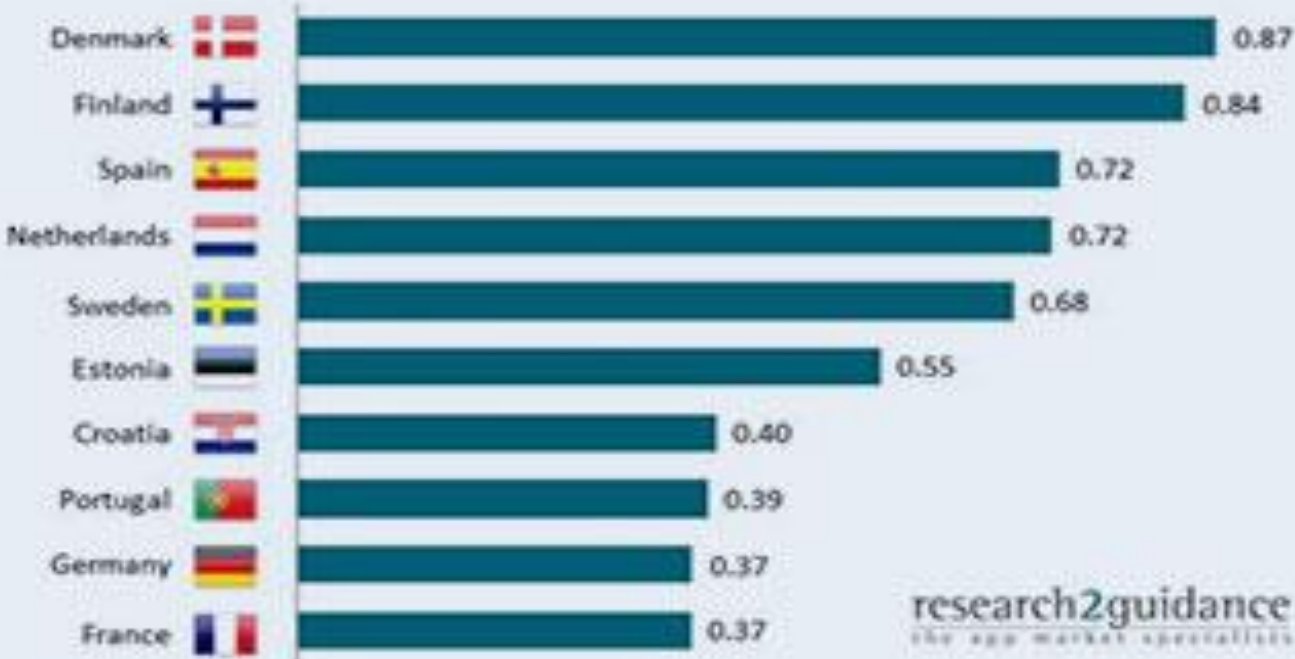- auditing of EHRs and health care providers

Foundation

- semantic and technical standards for interoperability
- national repository, ePrescription

HIMMS and research2guidance study on eHealth adoption

DENMARK IS THE LEADING COUNTRY IN EHEALTH ADOPTION

Top 10 EU countries by eHealth adoptions of patients and doctors

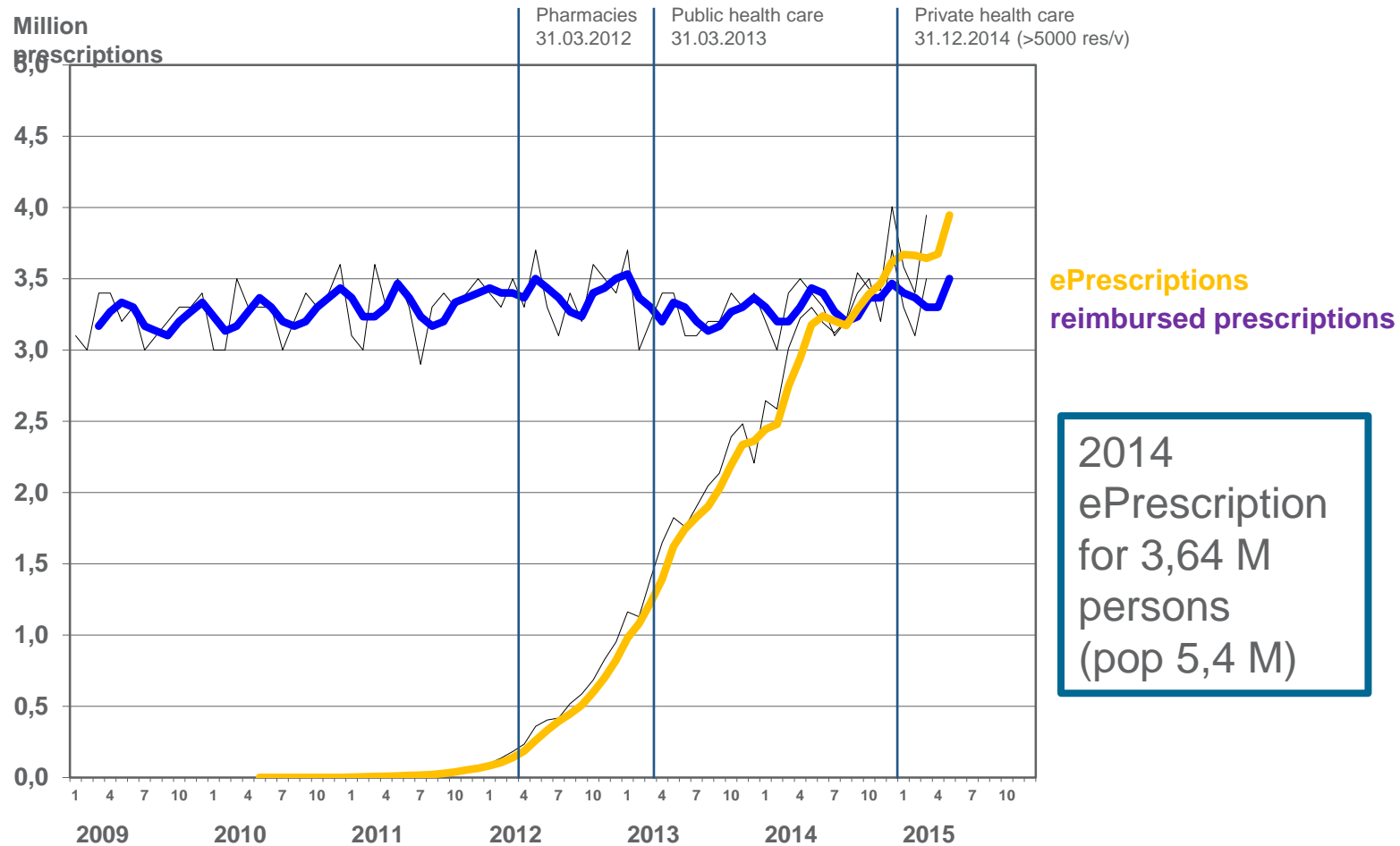| Country	eHealth adoption
Denmark	0.87
Finland	0.84
Spain	0.72
Netherlands	0.72
Sweden	0.68
Estonia	0.55
Croatia	0.40
Portugal	0.39
Germany	0.37
France	0.37

research2guidance
the app market specialists

eHealth adoption – doctors transferring prescription electronically, doctors electronically exchanging medical patient data with other healthcare professionals , patients making appointment via website, patients seeking online information about health

© research2guidance 2015

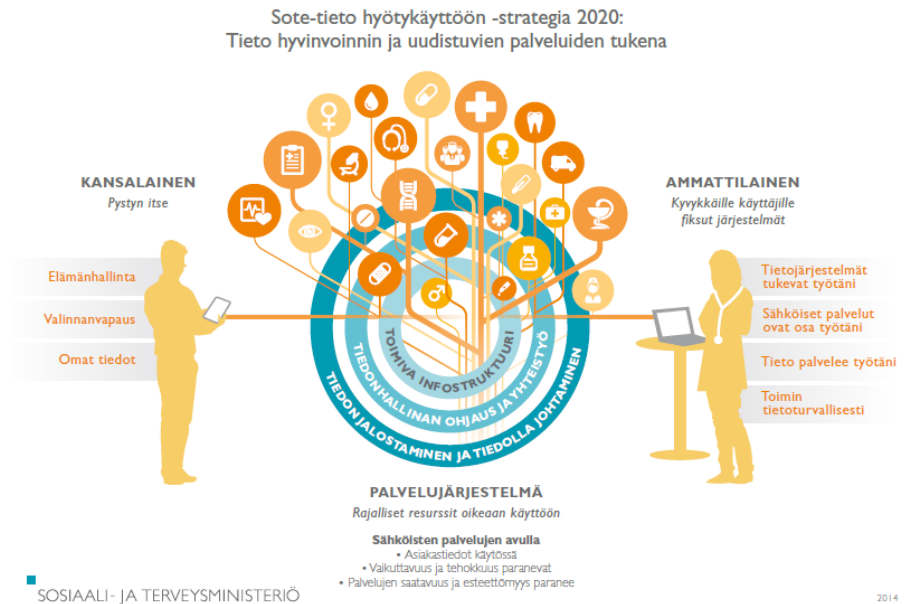# eDeliveries from pharmacies compared to reimbursed prescriptions
years 2009–2015

Million prescriptions

Pharmacies 31.03.2012

Public health care 31.03.2013

Private health care 31.12.2014 (>5000 res/v)

ePrescriptions

reimbursed prescriptions

2014 ePrescription for 3,64 M persons (pop 5,4 M)

3,7 M persons have medical documents in Kanta-repository 4/2015
(population 5,4 M)
Henkilötietojen laskentaa tarkennettu 09/2014 alkaen
09.04.2015

Monthly visits and different visitors in My Kanta service
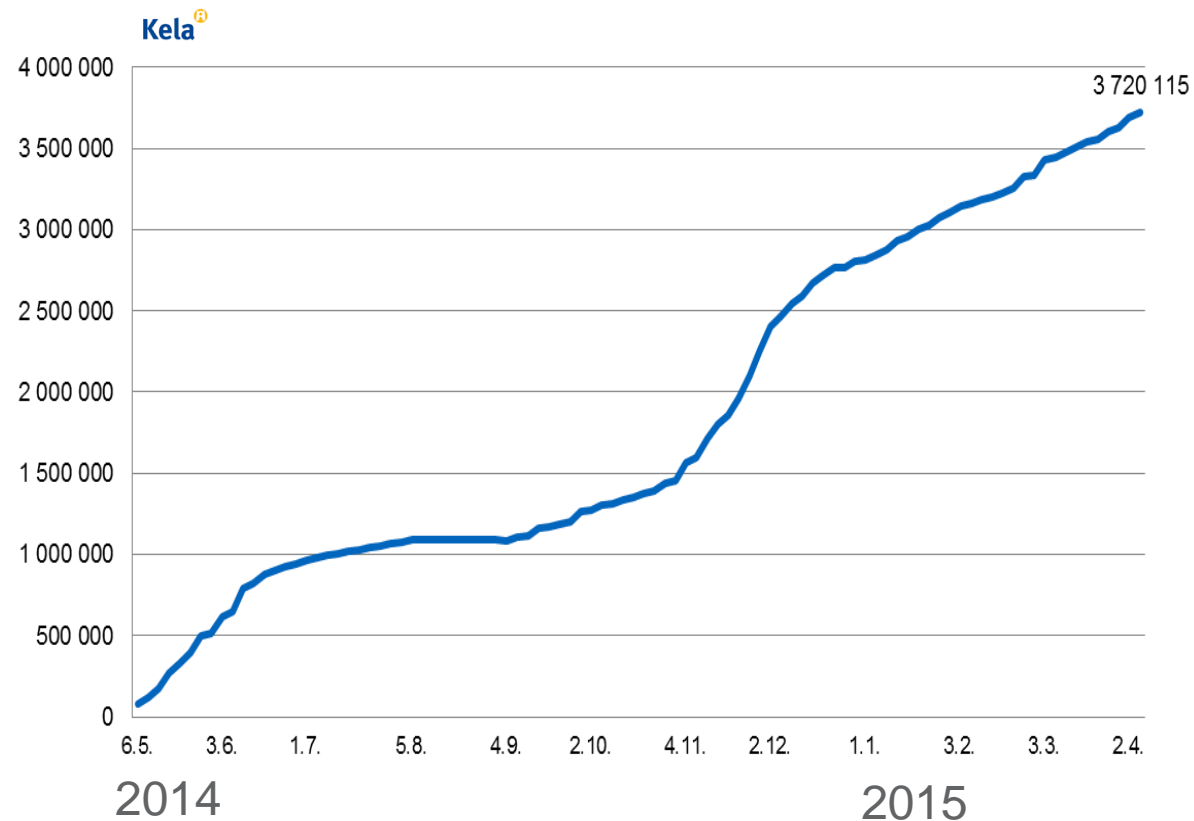
eHealth and eSocial strategy 2020 -
Information to support well-being and service renewal

1. Citizens as service users
 - doing it yourself

2. Professionals
- smart systems for capable users

3. Service system
- effective utilisation of limited resou

4. Refinement of information and knowledge management
 - knowledge-based management

5. Steering and co-operation
- from soloist to harmony

6. Infostructure - solid foundation

Sote-tieto hyötykäyttöön -strategia 2020:
Tieto hyvinvoinnin ja uudistuvien palveluiden tukena

KANSALAINEN
Pystyn itse

Elämänhallinta

Valinnanvapaus

Omat tiedot

TOIMIVA INFOSTRUKTUURI
TIEDONHALLINAN OHJAUS JA TIEDOLLA JOHTAMINEN
TIEDON JALOSTAMINEN JA TIEDOLLA JOHTAMINEN

AMMATTILAINEN
Kyvykkäille käyttäjille
fiksut järjestelmät

Tietojärjestelmät
tukevat työtäni

Sähköiset palvelut
ovat osa työtäni

Tieto palvelee työtäni

Toimin
tietoturvallisesti

PALVELUJÄRJESTELMÄ
Rajalliset resurssit oikeaan käyttöön

Sähköisten palvelujen avulla
• Asiakastiedot käytössä
• Vaikuttavuus ja tehokkuus paranevat
• Palvelujen saatavuus ja esteettömyys paranee

■ SOSIAALI- JA TERVEYSMINISTERIÖ

2014

Focus areas in the strategy

Active citizen

- can take responsibility of his/her own well-being and health
- is an active partner in his/her social and health care processes

Effectivity of social and health care services

- good use of technology and repositories
- new ways to deal services
- important role in renewing social and health care system in finland

Citizen - I can!

National approach
for eHealth and eSocial services
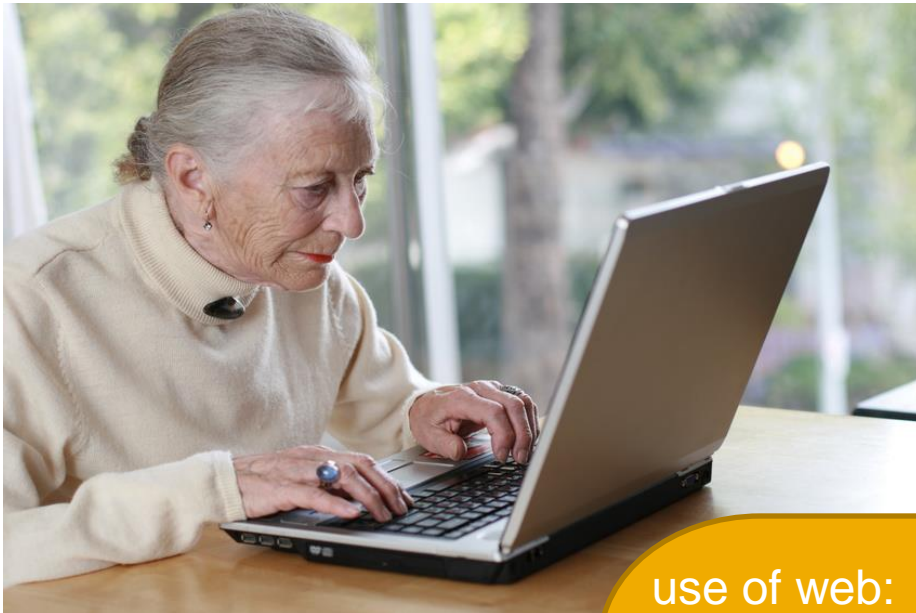
use of web:
27% 75-89 y
92% 16-74

A platform for managing the citizens' personal information
- I can put in personal health and welfare information
- I use selfcare devices and apps
- information is available also for professionals, with consent
- I can contact my health and social care providers electronically

Life control
- I get reliable information on welbeing and health
- I have a cross-sectoral treatment plan

Freedom of choice
- I get quality and availability information about social and health care services

Professionals - smart systems for capable users

Strategic objectives

- Professionals have access to information systems that support their work and its operating processes
- Electronic applications in the use of professionals

Measures

- National criteria for the usability of information systems
- Decision-making support for professionals
- Training of professionals
- Active user involvement in the development and adoption of information systems and operating models

Service system – effective utilisation of limited resources

Strategic objectives

- Social and health care information is accessible to professionals and clients
- Solutions of information management increase the effectiveness and impact of the service system
- The availability and accessibility of the services is being improved through electronic solutions

Measures

- Legislation on the use of information related to social welfare and health care services
- Information resource solution for social welfare implemented as part of Kanta services
- Implementation of Kanta-services continues (private sector)
- expand of information contents and functionalities of Kanta-services
- Development and use of online services
- Support for processes and operations

Refinement of information and knowledge management
– knowledge-based management

Strategic objectives

- Data sets support in real time the management of service production and decision-making in society
- Data sets support research, innovation and industrial and commercial activities

Measures

- Legislation on secondary uses (unrelated to care or client relationship) of social welfare and health care data
- Development and resourcing of secondary use of data
  - Population-level statistical and indicator services
  - Common infrastructure
  - for secondary use of the data

Steering and cooperation in information management – from soloist to harmony

Strategic objectives

- The structures are clear and support the social welfare and health care service reform

Measures

- The steering and organisation will be clarified as part of the reform of social welfare and health care services

- A model for cooperation between social welfare and health care regions and national operators will be established

- Common procedures in preparing and making decisions on national solutions in information management, their funding and their adoption methods

Infostructure – ensuring a solid foundation

Strategic objectives

- Interoperable and modular architecture
- Information security i.e. the accessibility, integrity and protection of data
- Sufficient data connections will be ensured
- Good development and procurement processes

Measures

- Adoption of enterprice architecture
- Development of standards and support for their use and dissemination
- Ensuring information security and data protection
- Improving data connections of professionals and citizens
- Cooperation in development and procurements

Implementation

- in planning phase
  - legislation work has started
- with wide cooperation of stakeholders
  - national and local authorities
  - private and public social and health care providers
  - professionals
  - citizens
- open website for documentation and comments, use of social media

Strategy
in English:
http://urn.fi/URN:ISBN:978-952-00-3575-4

in Swedish

http://urn.fi/URN:ISBN:978-952-00-3568-6

Innokylä - materials and comments:
https://www.innokyla.fi/web/verkosto1248184

LinkedIn - discussion group
http://www.linkedin.com/groups?home=&gid=6526167&
trk=anet_ug_hm

anne.kallio@stm.fi