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Integration and Digitalization
Drivers of the Economy of Wellbeing and a Fair Balance of
Rights



Despite All the Advances the Health and Welfare Systems are under stress...

- Big issues of equality
- The Efficiency of social rights
 - Health as a fundamental right and human right (EU of Fundamental Rights, Art 35, European Social Charter)
 - Social Security & Assistance (EU Charter, Art. 34, European Social Charter)
- The protection of human dignity and personal data in the new digital data economy and society
- Health and wellbeing as individual entitlements and societal collective goods
- Legitimacy of public services, institutions and EU
- Cost pressures with steady real increase of costs continue
 - Finland 2,4 % of real growth (2017), OECD average (2017) 1,8 %, estimated 2,5 % (2018)
- Tech improvements so far have largely contributed to increase of costs, faster cost growth in secondary / specialised care
- Demographic pressures with the aging population and the sensitivity of cost pressures to individual ability to function & cognitive abilities



Social Fairness and Economic Efficiency

- Finland:
 - 1,3 % to GDP improvement in public finances possible if half of the additional years following the longer life expectancy are without significant reductions in an individual's ability to function in everyday life.
 - 1,8 % to GDP improvement in public finances if productivity of social and health services improves 0,5 % a year.
 - Issue of cost-effectiveness of the whole service chain
- Evidence that service integration has reduced costs, improved client/patient experience in line with service principle in public services and right of access to quality care and effectiveness of care. Further research still needed.



Societal Trends

- Digitalisation
 - General purpose technologies including AI as truly transformative tech
 - Specific solutions incl. genome/biotech under fast development
- Platform economics and digital platforms as the emerging model of organization of public administration and service production
- Personalised medicine & care
- Quantified –self + MyData
- Increased weight on individual self-determination
 - Over-use and under-use of health services + changing notion of time
- Expectations on service / user-centric, holistic services
- Societal fragmentation issues & fragmentation of health systems & health data



Service Integration as a Solution

Service integration

- Client/patient receives effective services without delay and without interruptions.
- Services and their components are compiled and provided to the patient / client seamlessly on the basis of his/her needs and effectiveness of intervention

Citizen / user perspective

- Patient sees the service integration as a smoothly functioning chain of service(s) capable of using different types of expertise
- Patient experiences being treated as a whole individual, right to balanced wellbeing



Dimensions of Service Integration

- Horizontal integration: between social and health services
- Vertical integration: between primary - secondary and tertiary care, specialized services in the front line to support specialists in general practise
- Integrated prevention and integrated empowerment: population-centric health care and advice, participation and empowerment



Enablers of Service Integration

- **Integration of finances**, capable organizer / commissioning of services and right incentives for service integration and *effectiveness* of activities
- **Data integration** => core to effective leadership, development of services and individual operations models and effectiveness of care & other services and to the fluidly functioning service chains
- **Integrated ICT** and other digital systems
- **Production integration** (same production unit responsible) and
- **Management integration** under one leadership, case managers, comprehensive view
- **Multi-disciplinary work methods and mind** (intra-medicine, inter-disciplinary)



Digitalization to Support Service Integration and Population-centric Approach

Platforms and data policy

- Digitalization to support service integration and population-centric approach including primary care & services & prevention
- Public platform and platforms
- Movement of data and data driven innovations
- Comprehensive legislation balancing various data needs and fundamental rights

Data & data ecosystems

- Big data across the system; Secure Secondary Use of Data
- Fair data ecosystem
- Analytical management data including effectiveness, soft incentives for data users
- MyData and inspiring data and data based,
- AI driven guidance for service users



Fair Data Ecosystem & Platform Principles

Effective data protection

MyData

Data portability

Data collection as a tool for customer initiated value creation

Open data and fair use of data

Open surface and interaction & integration layers

Interoperability with user choice & user empowerment

Data structures and core data
under public ownership

Equal utilisation rights for
data resources while
respecting privacy and
security

Up to date data banks

Standards, standard contracts
and open participation rules

Open interfaces and interfaces
descriptions



Beyond Finnish Experience

- *”Europe must lead the transition to a healthy planet and a new digital world... Action plan to complement European Pillar of Social Rights”*

Political Guidelines for the Next European Commission 2019-2024

- Wide dialogue with Member States including competition & state aid law needed in the EU Institutions
- EU Institutions: a slightly fragmented approach, need to respect (constitutional) identity of the Member States. No uniform European model of health system
- EU legislation and policy on data, data protection and platforms have a wide impact on digitalisation including the digitalisation in the health care and realisation of service integration
- Context-sensitive union law (incl. data protection law) and coherent EU approach across the sectors. Convergence of the medical tech with general purpose technologies is significant



Additional reading

- Tuomas Pöysti: Trust on Digital Administration and Platforms in Peter Wahlgren (ed): 50 years of Law and IT, The Swedish Law and Informatics Research Institute 1968-2018. Scandinavian Studies in Law, Vol. 65 (2018), 321-363.
- Opinions of the Chancellor of Justice in the prior constitutionality control of legislative proposals, (in Finnish at <https://www.okv.fi/fi/lausunnot/>)
- Opinions and Reports of the Constitutional Law Committee of the Parliament of Finland (in Finnish) at: <https://www.eduskunta.fi/FI/lakiensaataminen/valiokunnat/perustuslakivaliokunta/Sivut/default.aspx>
- Ministry of Social Affairs and Health: Proposed indicators of social and health services steering (in Finnish): Ehdotukset sote -ohjauksen mittareista ja tietopohjan varmentamisesta http://julkaisut.valtioneuvosto.fi/bitstream/handle/10024/161493/STM_2019_33_Ehdotukset_sote_ohjauksen_mittareista.pdf