National Perspectives to Digital Health Space

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NCZI > Národné centrum zdravotníckych informácií

Brussels, 23.11.2021

Digital Health = Future

"The next National Digital Health Strategy will lay the foundations for next generation healthcare and there are no limits to what we can achieve."

(Ms Cattermole, AU)

What's the difference between USA and USB?
One connects to your devices and gathers your data, and the other is an industry standard.

Moses was very modern
He was the first to get a tablet with a data from the cloud

I'm really worried about my privacy being compromised and my personal data being shared by third parties.
"Alexa, what steps can I take to protect my privacy?"

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"We just got an update to the user manual for our Electronic Medical Record system. Where do you want it?"

Systemic (pragmatic) issues from national perspective

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Data gathering process
- Reduction of efforts
- Automation
- Quality checks

Data service infrastructure development
- IT projects transparency/efficiency
- Operative vs strategic priority

Data&knowledge aggregation/sharing
- Data privacy vs data sharing
- Data heterogeneity
- Knowledge sharing of best practices in digital transformation

Data quality improvement
Technical – process – legislative transformation

- Low or medium level of data gathering digitisation/automation (imaging, lab. tests, prescription) => low efficiency of data aggregation (esp. outside of HP)
- Local research data => heterogeneity, weak access

- IT projects inefficiencies, failures, low trust
- PP transparency, openness, innovation partnerships
- Needs identification

- Mindset = better stay on "save side" => solutions for efficient data aggregation & no privacy breach
- Existing comprehensive standards elaboration with low practical implementation efficiency => bottom-up

National challenges: The road to broader cooperation

> **Small countries = small data, diversity of HS quality, lower financing (economics of scale)**

>> => Increase quality and wellbeing through cooperation between/within MS/EU
and together between different RDI domains (SSH, ICT, …)

>> => Small systems to be resilient have to cooperate, integrate and grow through sharing
sources/data/knowledge and increase quantity to increase quality

> **All EU: Fragmented knowledge/data**

>> Move beyond the sharing data to sharing knowledge

>> "Sensitive" data sharing related mindset & Trust building

>> Efficiency of sources: data driven evidenced based medicine/digital health

>> More resilient living system: e.g. on spot error reporting

> **Small but innovative, semi-open, creative and resilient country/ecosystem
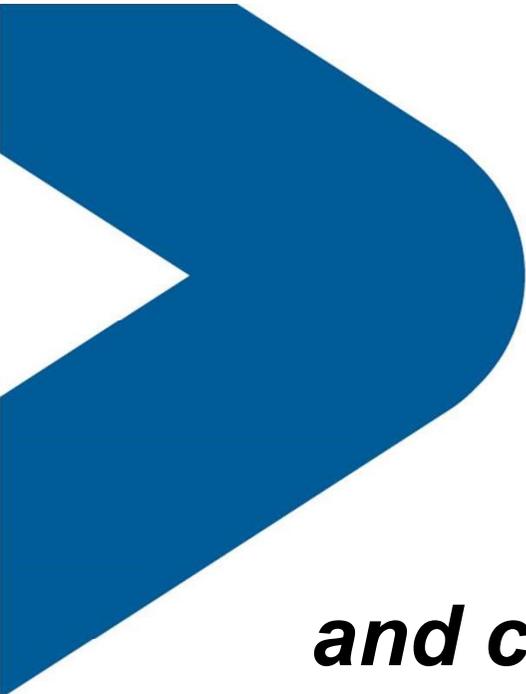as component of wider cluster/alliance**

European (single?) Health Data Space as a response

> **Com2018_233 is focused on crucial issues, good direction**
>> although concrete measures should be agreed and synchronized with MS issues & potential

> **Fragmented and diverse level of national issues & solutions may harm harmonized progress in EHDS**
>> Inequalities in financing possibilities, citizens' mindset diversity

> **Fractal feature of issues in MS**
>> The same issues with diverse levels of solving
>> The need for good balance between legislative enforcement (leading to standards, interoperability, critical mass of data …) and motivational / voluntary approach more in line with national specifics

> **Sharing national data for RDI, benefits for small countries**
=> Increase innovation
=> Increase of data and health care quality
=> More efficient business models for stronger players?
=> Higher spendings by small countries for health innovation procurement?
=> Disparities reduction will be achieved?

Join forces to achieve a higher societal impact

> **Digital solution for more complex needs & gap analysis and methodologies convergence within V4**
>> To identify common and specific challenges
>> To increase power of smaller countries and the value for citizens through cooperation

> **To find common approach with high synergy from shared experiences, data, knowledge and to stimulate a creation of new accessible digital products and services for digital health sector in all countries regardless their specifics to provide higher quality of HS for everyone**

> **To achieve balance between legislation, regulation and motivation and to share best practices in digital transformation, esp. in national legislation and process transformation**

> **New approach for joint trust building in digital ecosystems in the field of data sharing, data and HS quality and to improve self adaptation, self regulation and resilience**

> **To join forces in out of the box thinking and work with creative communities and other RDI domains to change mindset**

Based on similarity of V4 countries, common history and specifics, SR fully supports
"V4 Position paper on the future of European Health Data Space (EHDS)"
and its principles to be able to achieve benefits from shared health space.

Thank you for your attention
and cross fingers to better health future!

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