eHealth and mHealth convergence & mHealth Track intro

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DETERMINANTS OF OUR HEALTH

- Genome
- Environment
- Treatments
- Lifestyle
WHERE DO THOSE DATA COME FROM?

Biobanken

Open Data

Medical reports

Sensors

mHealth

hospitals, ..., EHR/EPD (*)

(*) EHR = electronic health record
EPD = elektronisches Patientendossier
EPD: STRONGLY REGULATED ENVIRONMENT

In Switzerland is the electronic patient record, EPD « elektronisches Patientendossier » through a federal law (EPDG) since April 2017 regulated.

Rights and duties of patients and health professionals are in EPDG defined. The functionality and the infrastructure of EPD has to undergo a certification process, specified in the law.

It is a closed certified ecosystem.

In the starting phase it is mainly financed by public money.
MHEALTH AND PHRS: LESS REGULATED ENVIRONMENT

In Switzerland the Personal Health Records are mainly regulated only through the data protection law “DSG, Bundesgesetz über den Datenschutz”.

The secondary use of the data mainly regulated by the “HFG Humanforschungsgesetz”.

PHRs are rather open ecosystems. Quite often third party system can plug in additional services.

The secondary use of the data is also often a big part of the Business Models.
THE DIVERSITY OF PERSONAL MHEALTH PLATFORMS

- Business driven initiatives from the IT giants (Microsoft Health Vault, Apple Health-/Research-Kit, …)
- Sensor driven initiatives (Nokia-Withings, Biovotion, …)
- Pathology centered initiatives (mysugar, catchmypain, …)
- Citizen driven initiatives (MyData, MIDATA, Digimi)

Their governance, business models and rules for secondary use of the data are very different from one to the other.
A CONVERGENCE OF EHEALTH AND MHEALTH IS NEEDED

Because:

Patients are not divided in e and m but have only 1 health

Patients are the owner of all their personal data and can move them around, if they wish to and if they think it makes sense (this through informed explicit consent)

e>m EPD Data can be read/exported by the patient and e.g. shared for research

E<m mHealth Data can enrich the EPD and can be shared for treatment management
INTRODUCTION TO THE MHEALTH TRACK

Use cases first!, example of the utility of mHealth
Recommendations of eHealthSuisse for the convergence eHealth <-> mHealth
FHIR an interoperability standards for mHealth
Certification of mobile Application

Please welcome our experts !!!