

## Session 2

Development of a **e-Health Data Lake** to identify innovative **digital biomarkers** for the main chronic diseases

Dr Guy Fagherazzi

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## Luxembourg Institute of Health

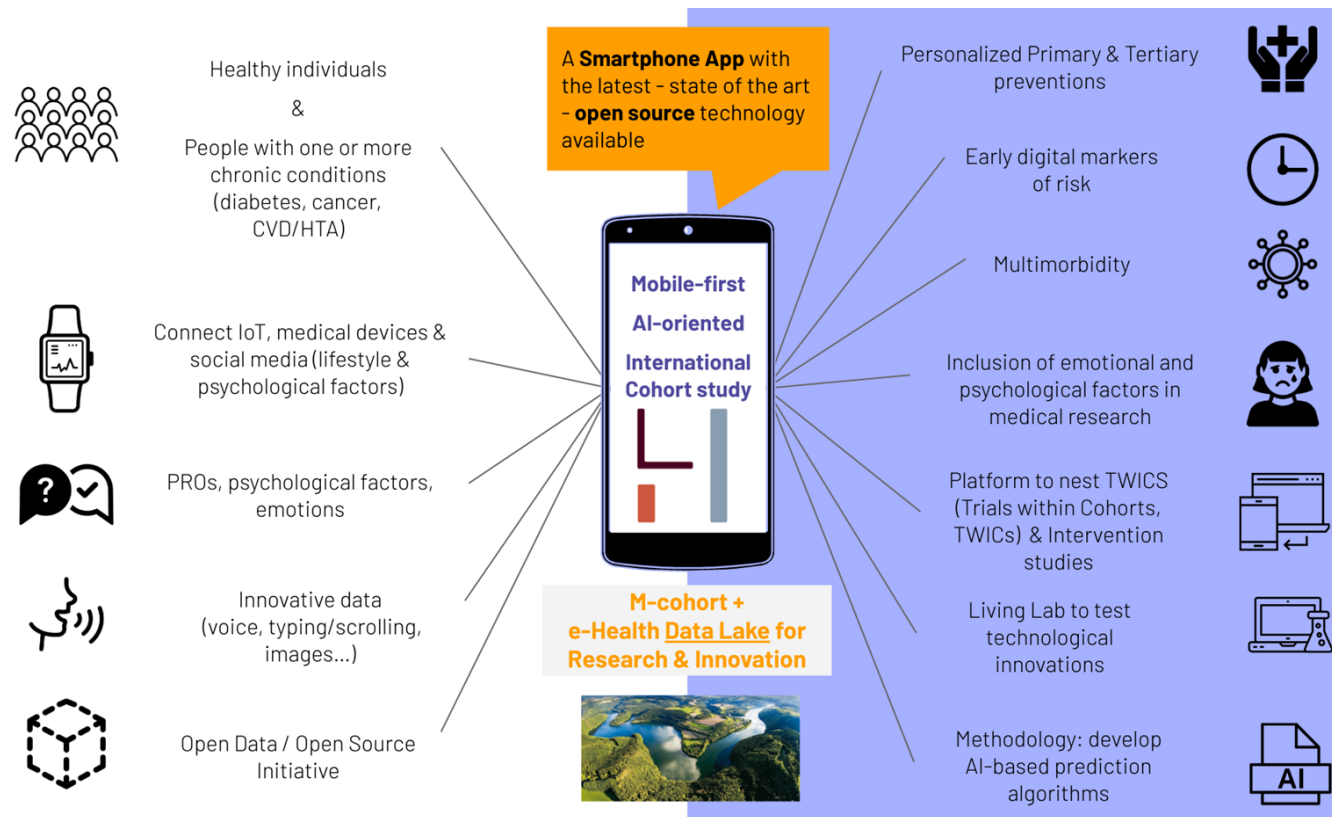
- Public institution @ Luxembourg
- Department of Population Health
- Expertise
  - **Epidemiology** (type 2 diabetes, cancer, cardiovascular diseases, mental health, neurodegenerative diseases)
  - **Public health and prevention**
  - **Biostatistics**
  - Data analysis of **connected devices**, IoT and social media data
  - Observational and interventional studies, **e-cohort studies**
  - **Data science and AI** applied to real-life studies



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LIH/DoPH has been involved in several European H2020 clinical research projects over the years and is currently coordinating one.

## Development of a **e-Health Data Lake** to identify innovative digital biomarkers for the main chronic diseases



# Our Project



#H2020PartnerHealth

## TOPICS: BETTER HEALTH AND CARE & DIGITAL TRANSFORMATION

- Innovative health: Multimorbidity management – Patient-centred care
- Real World Data in complex chronic conditions
- Innovative digital solutions for people
- Health Research and Innovation Cloud data portal
- Personalised risk prediction – ICT solutions – Data integration - AI
- Digital health and care solutions
- European eHealth Interoperability roadmap
- Innovation for active and healthy ageing

<b>Skills sought for the consortium</b>	<b>Partners (Academic or Industrial)</b>
Epidemiology & Public Health	Academic
Behavioral Psychology	Academic
IT & Big Data infrastructures	Industrial
App dev	Industrial
Machine Learning & AI	Both
Associations & Patient representatives	



# Contact details

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