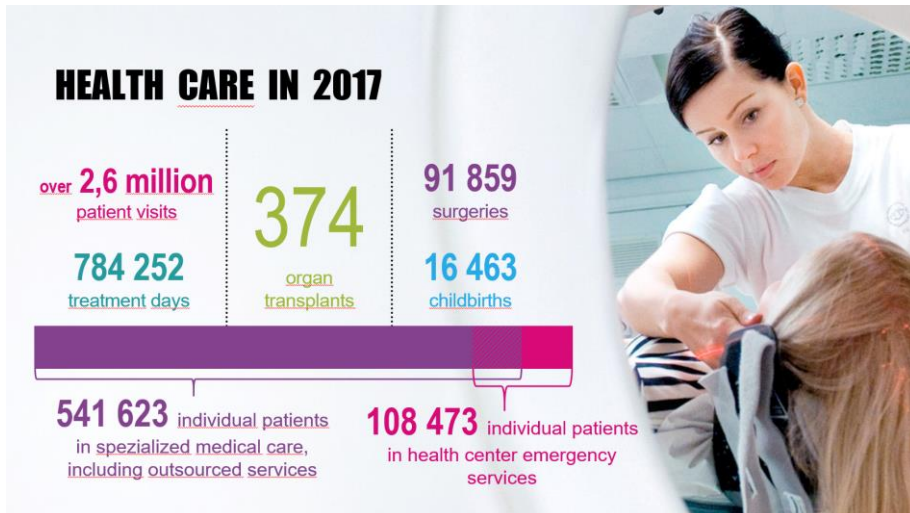
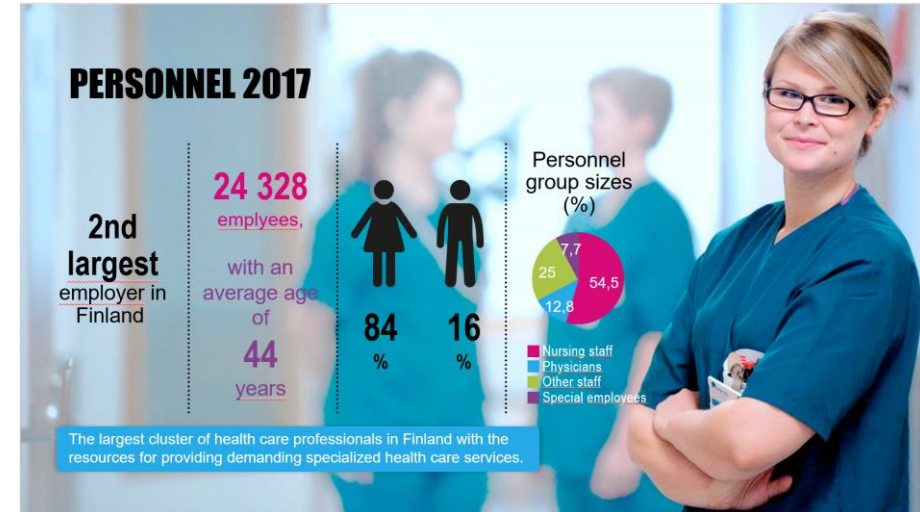




# CleverHealth Network

Mirka Tammi, Project Director  
HUS Helsinki University Hospital, Finland  
5.2.2019



## HUS VISION

An internationally high-quality hospital organization that produces new information,

and offers timely, safe, high-quality and patient-oriented treatment to its patients and customers.

HUS produces competitive services and its hospitals and units are sought-after work places.

# CleverHealth Network

- CleverHealth Network is a health technology ecosystem in which companies and leading healthcare experts utilise health data to develop better treatment solutions and successful export products in the field of health technology.
- The ecosystem brings together:
  - The leading clinical experts and researchers of the HUS Helsinki University Hospital
  - The health technology expertise of Finnish SMEs and large corporations, and
  - HUS' vast and internationally unique high-quality health data
    - Hadoop-based datalake solution in Azure
- CleverHealth Network was established in autumn 2017
  - Business Finland, the Finnish Funding Agency for Innovation, has granted funding for the development of CleverHealth Network
  - The rest of the funding comes from the participating companies and HUS



# Large cooperation network

HUS is responsible for the coordination of the ecosystem



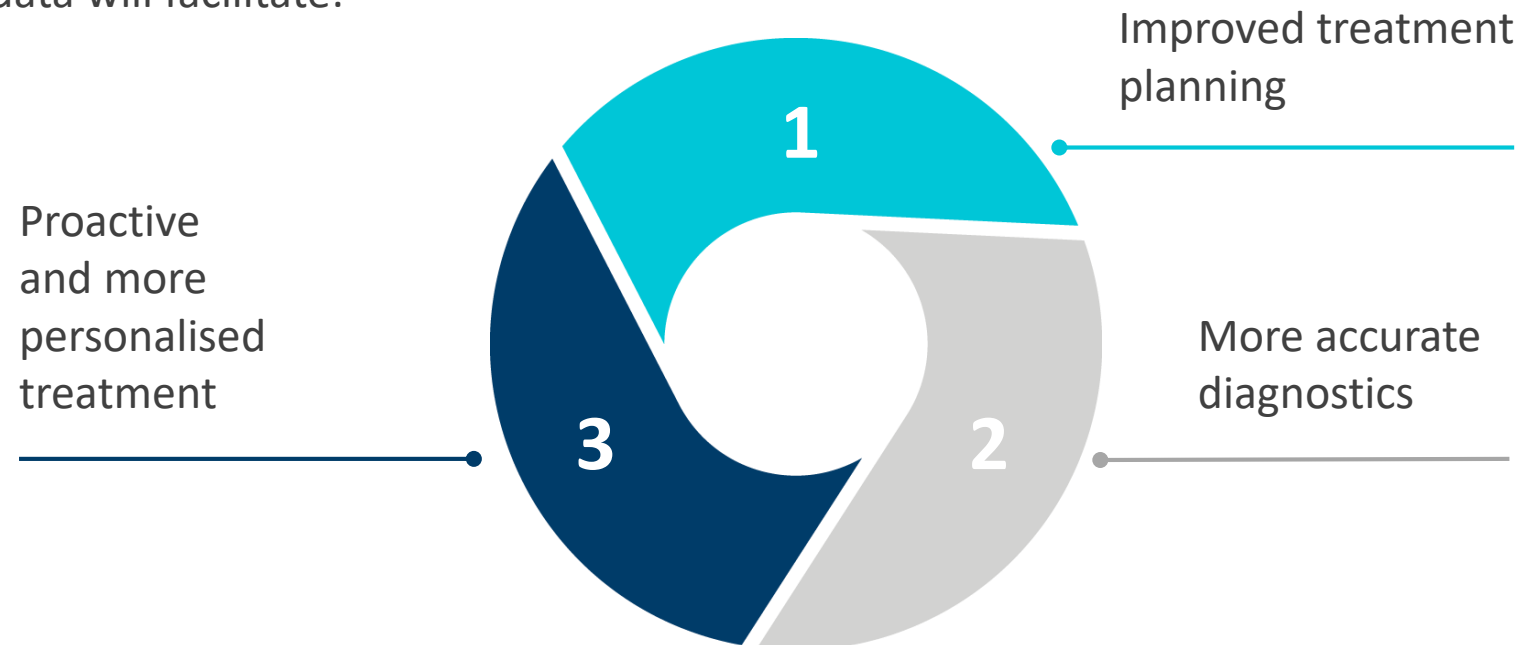
# Ecosystem's objectives

- Create product and service innovations in the field of health and well-being technology
  - Increase technology exports and attract foreign investment to Finland
  - Create new jobs
- Improve health and patient care of Finns
  - Improve efficiency and patient care, as well as promote health and well-being
  - HUS is tasked with developing new treatment solutions and ensuring that Finns will continue to have access to the world's most cost-effective healthcare services
- The innovation function takes place in the development & innovation projects, that are established within the ecosystem
  - Start annually several projects that will create world-class solutions related to the cultivation of healthcare data
  - Projects are based on Co-Creation model with multiple partners in every project
  - First projects have started in the beginning of the year 2018



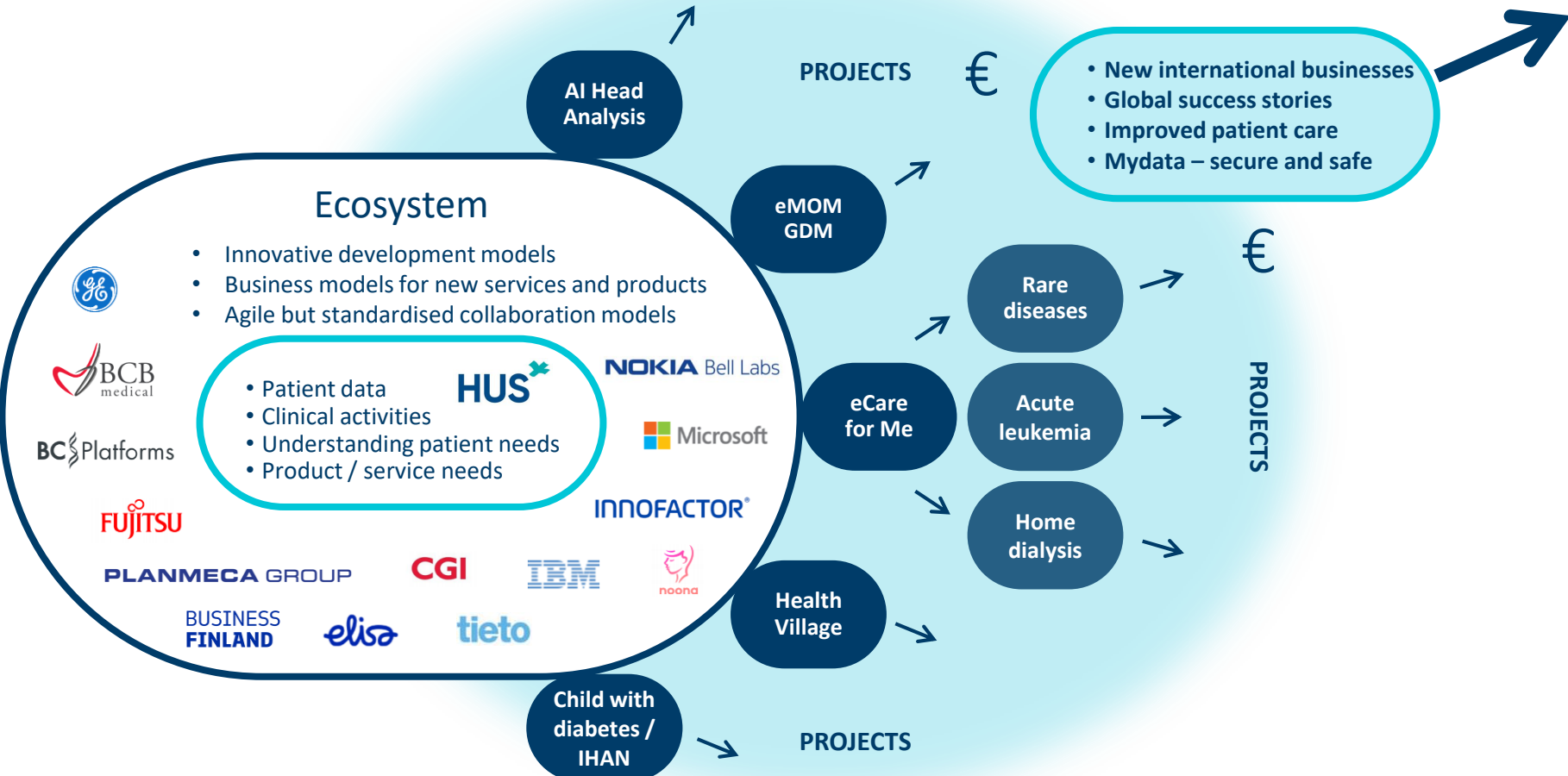
# Data-driven operating model

- Product and service innovations are based on extensive health data and the leading expertise of clinicians
- Cooperating with companies to test innovations in the ecosystems, scale them and develop them for market launch
- Leveraging data will facilitate:



# Digital health and wellbeing ecosystem

“The world’s fastest track for digital health and wellbeing innovations”



# Projects in progress



## AI Head Analysis CleverHealth Network

- Head area imaging analytics:
  - The aim is to develop a clinically significant AI-based image analysis method
  - The new method will improve the treatment of cerebral hemorrhage and could directly affect the life-expectancy and survival rate of patients



## eMOM GDM CleverHealth Network

- Remote monitoring of gestational diabetes:
  - An easy-to-use mobile application improves the treatment and monitoring of gestational diabetes without additional human resources
  - The project combines important factors concerning lifestyle and treatment of gestational diabetes





We dare to dream the future



CleverHealth Network

[www.cleverhealth.fi](http://www.cleverhealth.fi)