



eMOM GDM

CleverHealth Network

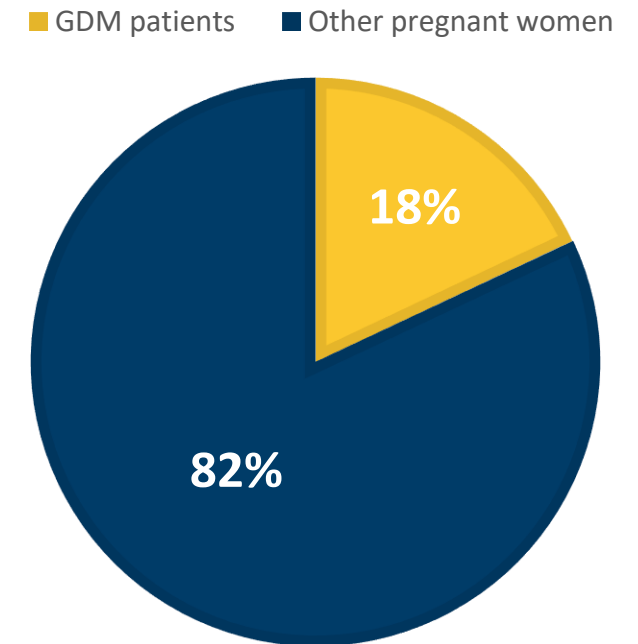
Remote monitoring of gestational diabetes project

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Why is it important to treat gestational diabetes?

- Substantial increase in cases of gestational diabetes (GDM)
 - Increasing number of overweight pregnant women: in Western countries, up to 60% of women of reproductive age are overweight
 - GDM incidence 19% in 2019 (2,500 women in Helsinki University Hospital area)
- GDM predisposes to:
 - type 2 diabetes
 - metabolic risks – also in the next generation
- Pregnant women are motivated to make lifestyle changes and easily reachable: opportunity for prevention
- Childbirth safety



Challenges to solve

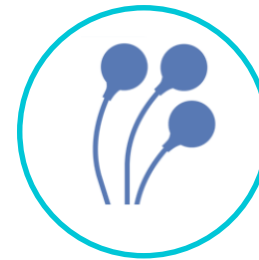
Insufficient GDM monitoring at the level of individuals

- Blood glucose levels are measured a few times a week with fingertip measurements
- Instructions are dated

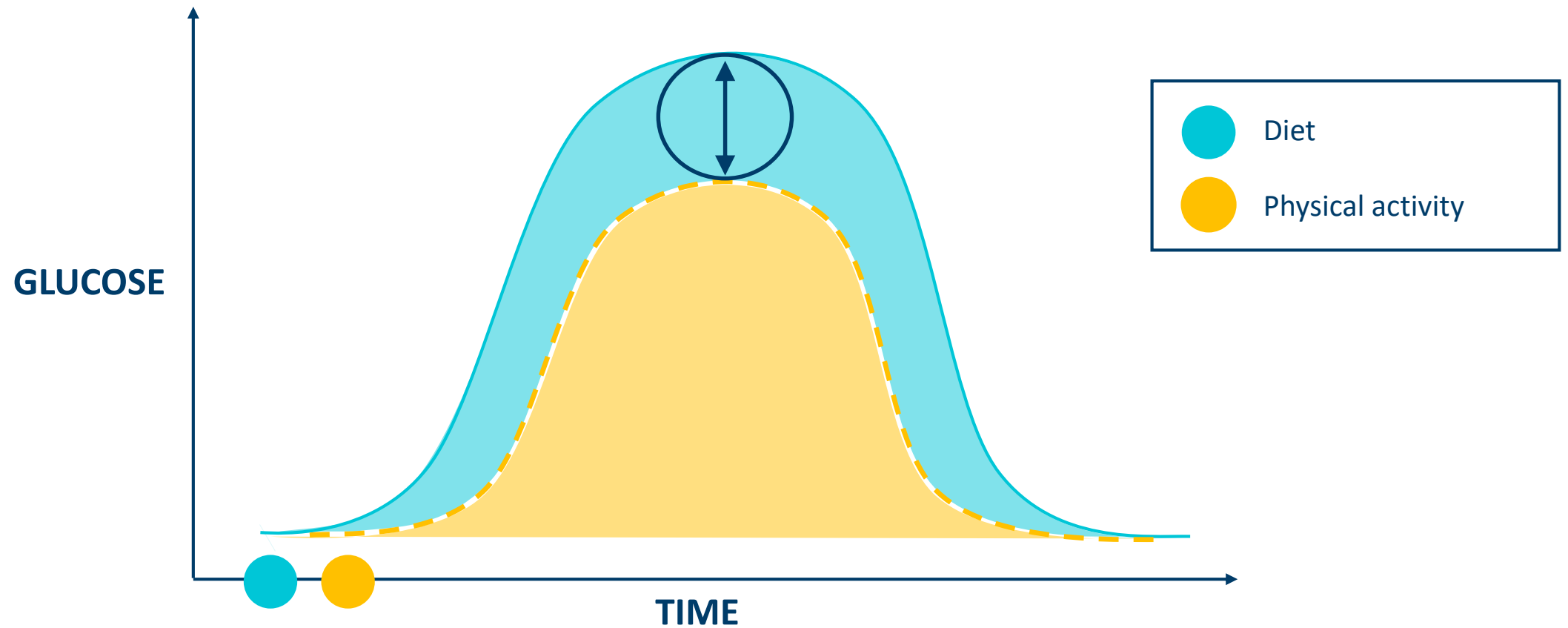


Making visible how diet, physical activity, sleep and stress influence:

- Glucose levels in real time (also night-time glucose levels)
- Weight gain during pregnancy
- Weight and body composition of a fetus



Real time monitoring



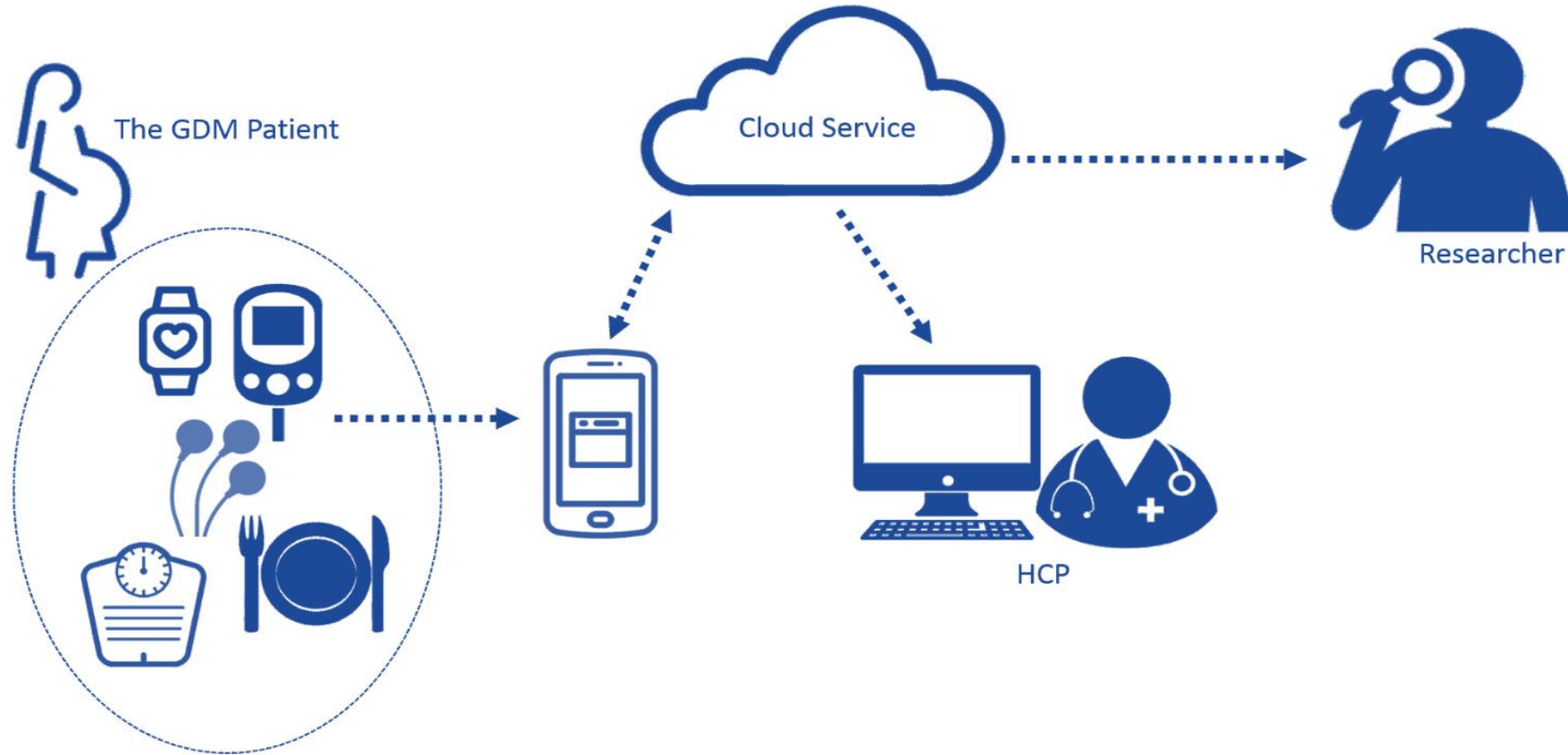
Project objectives

- 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



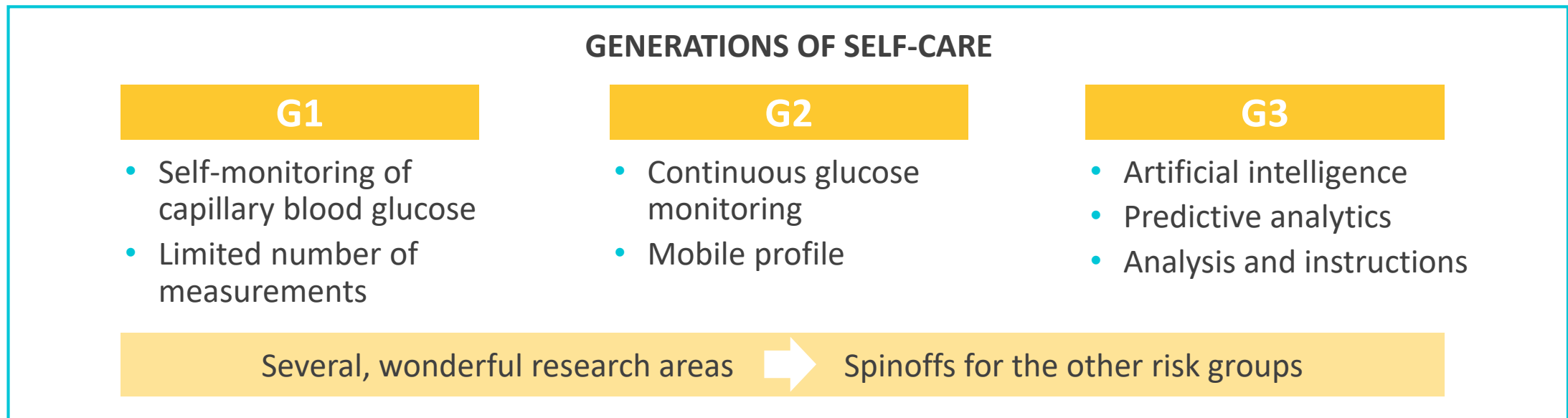
- The application will forward the data in real time to health care personnel, who can provide guidance as needed

eMOM-service concept as part of the care pathway

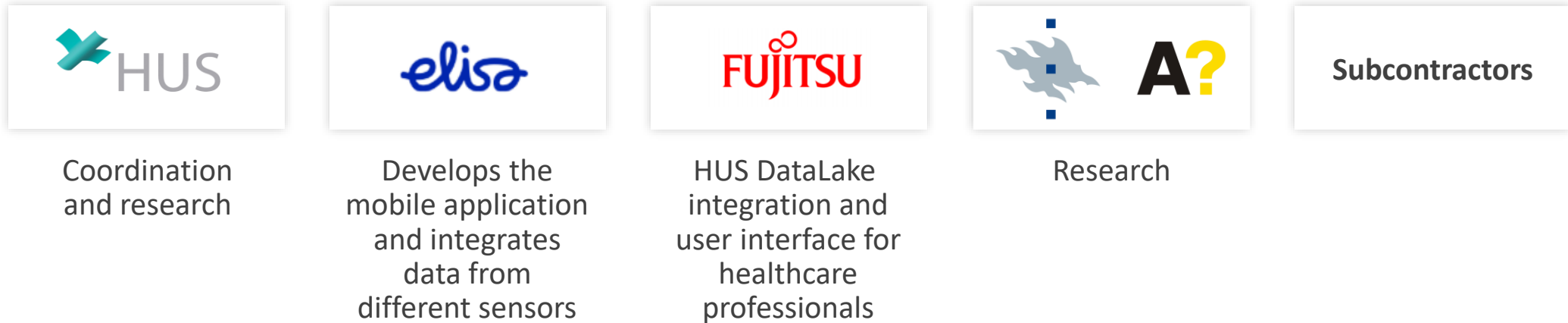


Long-term objective

- To establish eMOM service concept in the markets and extend it to cover other diseases in addition to GDM
- The service model can be developed in different ways, e.g. with artificial intelligence and predictive analytics



Project participants:



- The final service product developed during the project will be commercialized by Elisa and Fujitsu
- HUS acts as the project coordinator and its main role is in research
- Business Finland funds the project



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