

Forerunner in healthcare

RESEARCH AND INNOVATION AT HELSINKI UNIVERSITY HOSPITAL

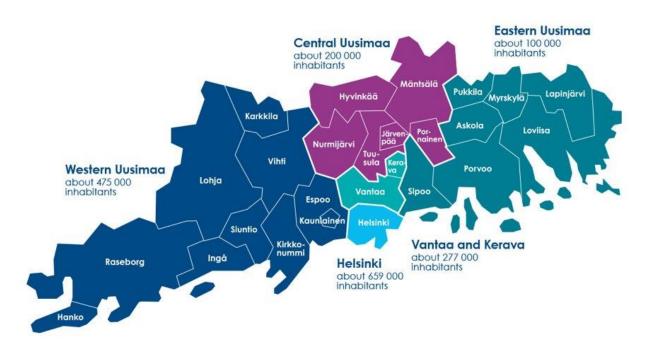
Pekka Kahri, HUS strategy and development 14.3.2024





HUS GROUP

- The HUS Group began operating on January 1, 2023.
- HUS is owned by the four wellbeing services counties in Uusimaa (West Uusimaa, Central Uusimaa, East Uusimaa, Vantaa-Kerava) and the city of Helsinki.
- Population about 1.7 million
- Specialized healthcare education research



WE MAKE USE OF THE LATEST TECHNOLOGY

- We have the only hospital in Europe equipped with a RAPTOR suite. At Meilahti Emergency Department, this suite allows patients in critical condition to be treated without having to be moved.
- We are a pioneer in robotic surgery; we use six operating robots. Patients recover faster after robotic surgery.
- We utilize robotic process automation and artificial intelligence. For example, in 2022, a text-processing Al sorted more than 200,000 referrals for specialized healthcare.
- We will start using PET-MRI scans to diagnose diseases, which will significantly reduce radiation exposure, especially in children.



DIGITAL SERVICES SUPPORT TREATMENT

- Our patients have at their disposal several chat services and the digital care pathways of the Health Village.
- Our patients can attend a doctor's appointment remotely via the Maisa app. For example, some emergency department patients can be treated with the help of a remote consultation.
- eConsultation allows a healthcare or social welfare professional to consult a professional in specialized healthcare via video during a patient's appointment.





TOGETHER WITH UNIVERSITY OF HELSINKI

With the University of Helsinki, we form one of the most active clusters of research and education in Europe.

RESEARCH

- more than 2,000 research projects ongoing at any given time
- about 70 doctoral dissertations published per year
- about 3,000 research articles published per year*
- participating in 20 EU-funded research and development projects

TEACHING

- 900 undergraduates at the Faculty of Medicine
- 2,000 specializing physicians
- 90 specializing dentists
- 4,500 students from universities of applied sciences and more than 500 students from upper secondary level schools
- training for 50 specialties in medicine and five specialties in dentistry
- Finland's most comprehensive array for further training for specialists (50 further training programs)

TOGETHER WITH PATIENTS

- Our customer panels develop patient-centered care culture, and the use of the facilities and services together with our staff.
- Our research panel members contribute at the different stages of pharmaceutical, therapeutic, and health science studies.
- Our experts by experience have first-hand experience of an illness and provide a valuable perspective on the development of treatment processes.

>300 trained volunteers



TOGETHER WITH INDUSTRY PARTNERS













































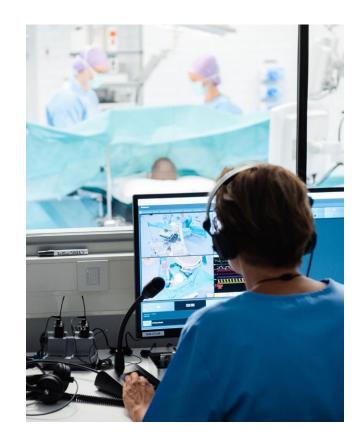
Coordinated by HUS in co-operation with Spinverse.



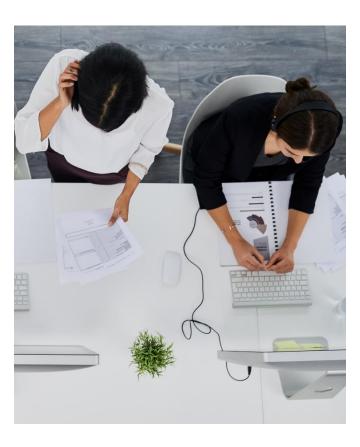


Together with other public institutions

https://www.healthproofhelsinki.fi/



Metropolia University of Applied Sciences



City of Helsinki



Helsinki University Hospital

TOGETHER WITH OTHER PUBLIC INSTITUTIONS

HTTPS://WWW.BIODESIGNFINLAND.FI/

"Biodesign Finland is a need-driven medical technology innovation and training program, which produces experts in health technology, solutions to healthcare, and new business.

Biodesign aims to offer the **best starting point for creating medical technology** for the benefit of the patient globally.









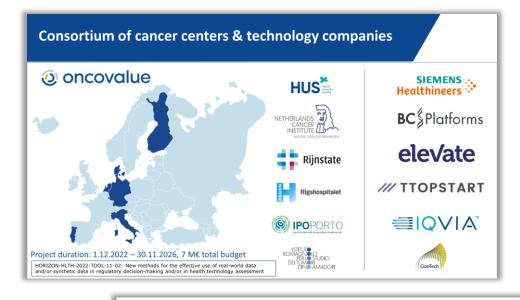


TOGETHER WITH INTERNATIONAL PARTNERS

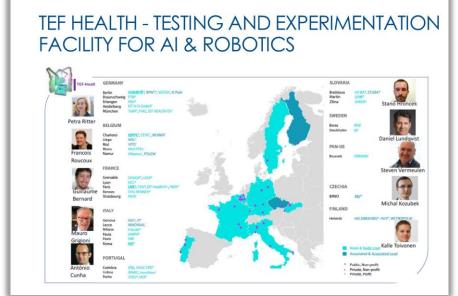


IN EU PROGRAMS











Read more at hus.fi/en/about-us