LEADING HEALTHCARE FOR EVERY PATIENT

14.9.2022, Taneli Ravio, Research Director HUS
NATIONWIDE RESPONSIBILITY FOR SPECIALIZED MEDICAL CARE

We manage the most demanding specialized medical care in the country. HUS has nationwide responsibility to provide centralized care for many rare and severe diseases.

OUR NATIONWIDE RESPONSIBILITIES INCLUDE

• organ transplantations
• treatment of severe burns
• allogeneic bone marrow stem cell transplants
• invasive diagnostics of epilepsy and surgical treatment
• open-heart surgery for infants and other demanding pediatric cardiac surgery
• demanding invasive fetal examination and treatment
• planning of treatment and surgical treatment of patients with cleft lip and palate
OUR HOSPITAL AREAS

Helsinki:
Aurora Hospital
Department of Oncology
Eye and Ear Hospital
Haartman Hospital
Herttoniemi Hospital
Laakso Hospital
Malmi Hospital
Meliahti Tower Hospital

Länsi-Uusimaa Hospital Area

HUS Hospital Area

Porvoo Hospital Area

Lohja Hospital Area

Hyvinkää Hospital Area

Porvoo

Kellokoski Hospital

Espoo

Espoo Hospital Jorvi Hospital

Helsinki:

Peijas Hospital

Vanlaa

Kaarina

Espoo

Kaijonhen

Kaijonhen

Kaukolanmäki

Kaukolanmäki

Karkila

Karkila

Huhtikuu 2022
In the **health and social services reform**, Uusimaa was given special status compared to the rest of Finland.

The region was **divided into four counties and the City of Helsinki** retains independent responsibility for its own health and social services.

HUS continues to provide **specialized medical care**.
SPECIFIC CATCHMENT AREAS

- Helsinki and Uusimaa Hospital District
- The South Karelia Social and Health Care District (Eksote)
- Kymenlaakso Social and Health Care District (Kymsote)
- Päijät-Häme Welfare District (PHHYKY)
FIGURES ON LEADING HEALTHCARE
Hus in figures 2021 – Finland’s largest hospital district

27,000 employees

HUS is the 2nd largest employer in Finland

24 hospitals
2.2 million residents in Specific Catchment Area
1,044 € costs for member municipalities per resident

over 200 places of care
1 in 3 residents of the municipalities used HUS services
€250 million investments

24 member municipalities
59% would recommend HUS as a place of work
€184 million construction investments
Healthcare in 2021 – Leading healthcare

670,000 patients treated

- 770,000 treatment days
- 3,000 hospital beds
- 335,000 elective referrals
- 2.8 million patient visits
- 2.3 million outpatient clinic visits
- 266,000 emergency referrals to specialized healthcare
- 17,300 childbirths
- 87,000 surgeries
- 420 organ transplants
- 1.5 million imaging examinations
- 29.3 million laboratory tests
- 266,000 emergency referrals to specialized healthcare
COOPERATION WITH THE UNIVERSITY

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 120 doctoral dissertations published per year
- about 3,000 research articles published per year*
- participating in 14 EU-funded research and development projects

TEACHING

- 800 undergraduates at the Faculty of Medicine
- 1,500 specializing physicians
- 50 specializing dentists
- 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)

* This figure covers the entire HUS Specific Catchment Area.
PAEDIATRIC CLINICAL TRIAL UNIT

In the **Clinical Trial Unit (CTU) of the new Children’s Hospital**, we promote the health of children and adolescents, increase children’s opportunities to participate in drug trials, and provide information on the best possible care for children.

In addition, we support academic research and conduct pharmaceutical or device trials in cooperation with companies.

In the Clinical Trial Unit at the New Children’s Hospital, we work closely together with other researchers nationally and internationally.
The **HUS Data Lake** is a service where data from patient registers and certain administrative registers are organized so that they can be efficiently and securely leveraged. **The majority of the patient information systems in clinical use** at HUS are integrated into the Data Lake.

**New Children’s Hospital Foundation has allowed the hiring of a four-person Data Lake team for three years at Children and Adolescents.**
The Pediatric Research Center is located in Helsinki, in the Meilahti hospital area.
1) Meilahti Vaccine Research Center (MeVac)  
MeVac is the joint vaccine research center of HUS and University of Helsinki where we conduct research commissioned by pharmaceutical companies as well as investigator-initiated studies.

2) launched in March 2022, FVR – Finnish Vaccine Research is a special-assignment company of the state, specialized in commercial vaccine research. FVR comprise ten regional vaccine research clinics. The Tampere University’s Vaccine Research Center and the Finnish Institute for Health and Welfare’s (THL) vaccine research, combining the two.
HELSINKI BIOBANK – ALSO FOR PAEDIATRIC RESEARCH

Biobank consent for minors

Can a minor give a biobank consent and biobank test?

A minor cannot give a biobank consent, but the guardian can give his consent on behalf of the minor. In addition, the minor can give supplementary consent. Helsinki Biobank has a separate form for minors’ consent. When the guardian has given his consent to the biobank on behalf of his child, the blood sample is taken for the biobank in connection with the next time a blood sample is taken from the child. The samples of children are always taken in connection with other sampling. When the child is 18 years old, the biobank contacts the child and tells them that a sample of the person in question has been deposited in the biobank. A person who is 18 years old can revoke the biobank consent or use their other rights as a test donor.
RESEARCH PANELS IN HUS

1. Emergency Medicine and Services research panel
2. Comprehensive Cancer Center research panel
3. **Children and Adolescents research panel**
4. Diagnostic Center research panel,
5. Psychiatry Center research panel,
6. Head and Neck Center research panel,
NETWORKING IS KEY FOR RESEARCH COLLABORATION

European Reference Networks

Innovative Therapies for Children with Cancer (ITCO)

EnprEMA: European Network of Paediatric Research at the European Medicines Agency

conect4children: Collaborative Network for European Clinical Trials for Children

NORDICPEDMED: Nordic Investigators Network for Pediatric Medicines

ECHO: European Children’s Hospitals Organisation

FINPEDMED 2007->
HUS CHILDREN AND ADOLESCENTS IS PART OF ECHO

ECHO promotes research collaborations and innovation amongst our members to improve all areas of patient care and hospital management.
THANK YOU FOR LISTENING!
Read more: hus.fi/en/about-us