

LEADING HEALTHCARE FOR EVERY PATIENT

14.9.2022, Taneli Raviio, Research Director HUS

NATIONWIDE RESPONSIBILITY FOR SPECIALIZED MEDICAL CARE

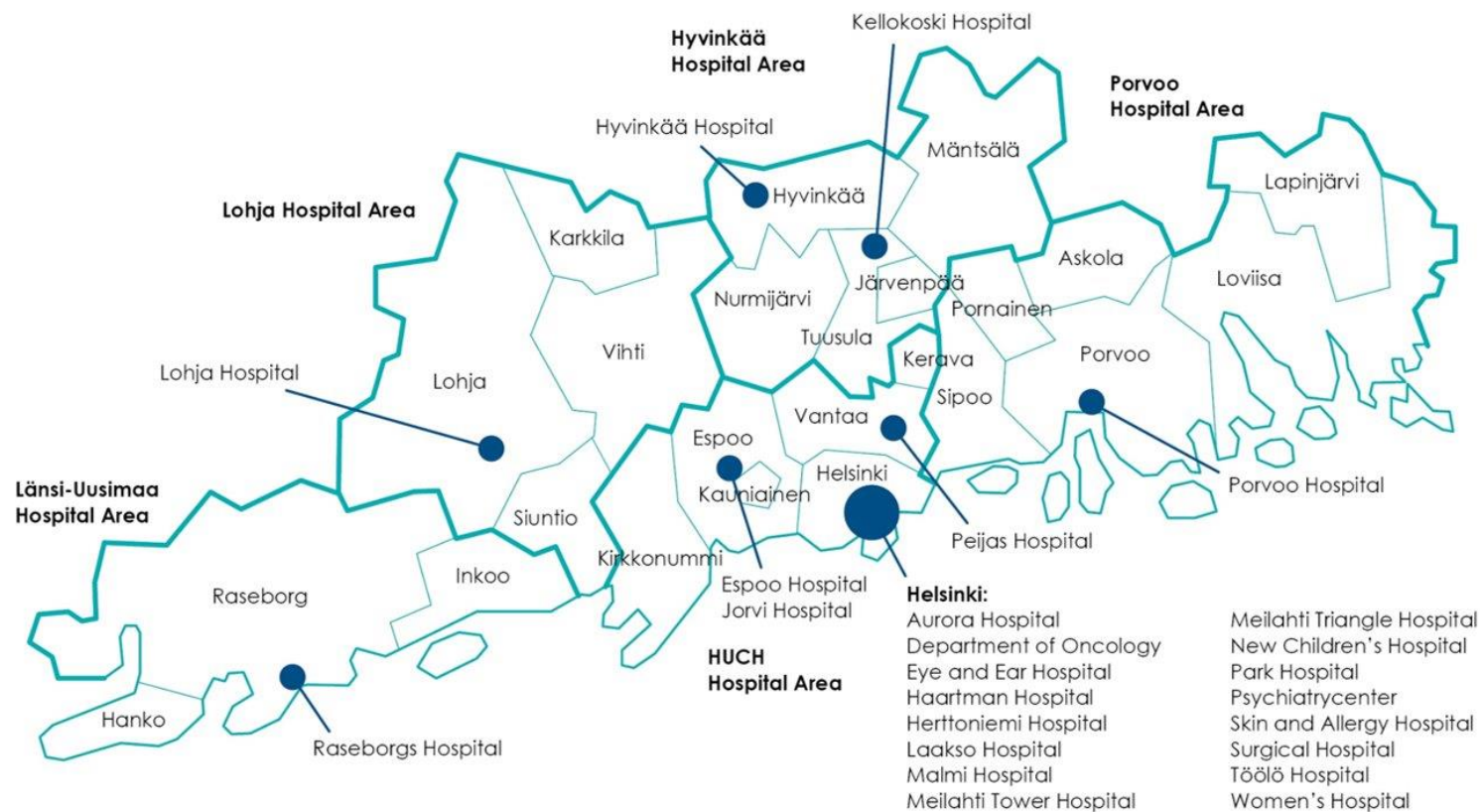
We manage the most demanding specialized medical care in the country. HUS has nationwide responsibility to provide centralized care for many rare and severe diseases.

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

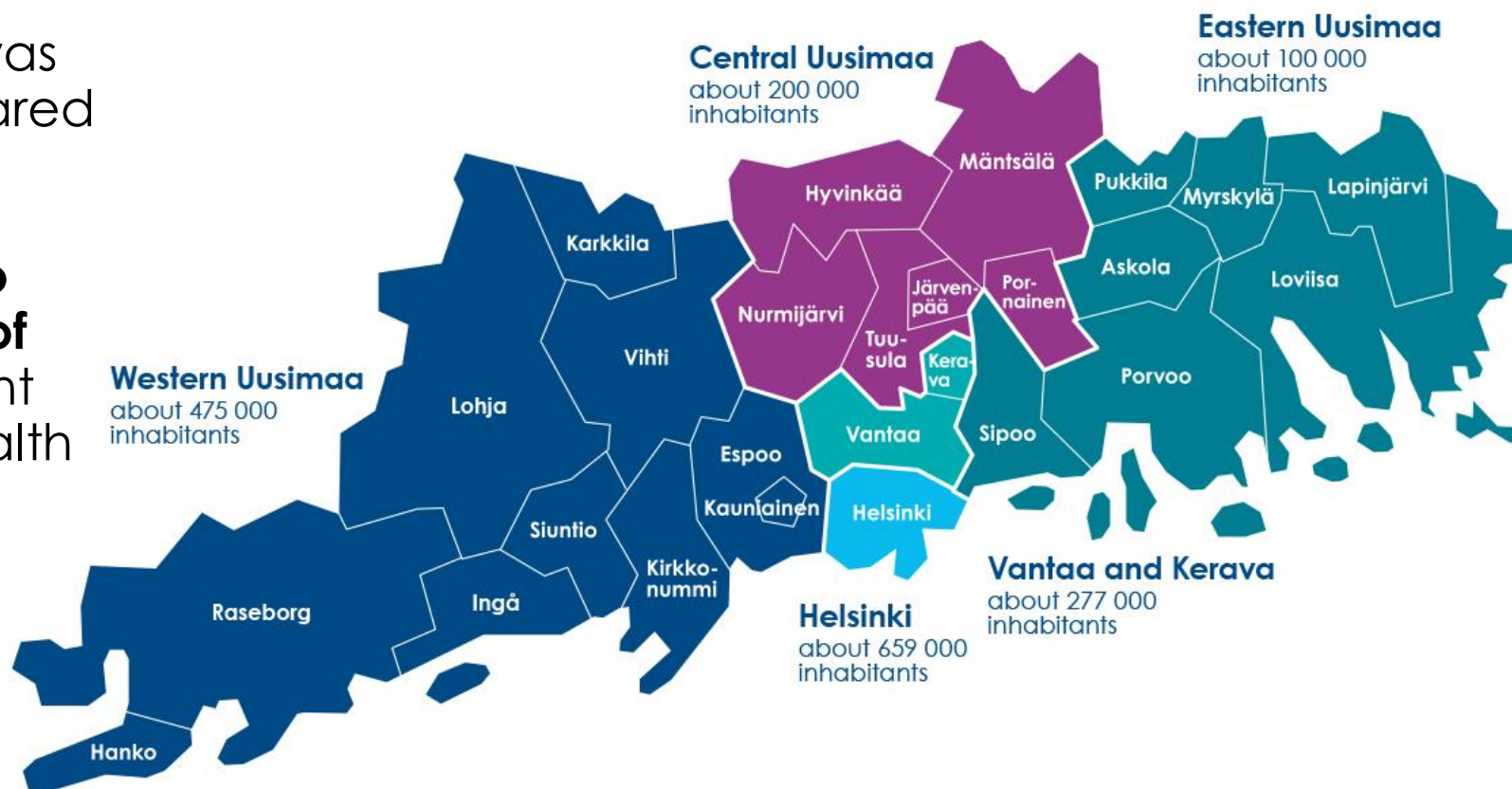


WELLBEING SERVICES COUNTIES IN UUSIMAA FROM 2023 ONWARDS

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

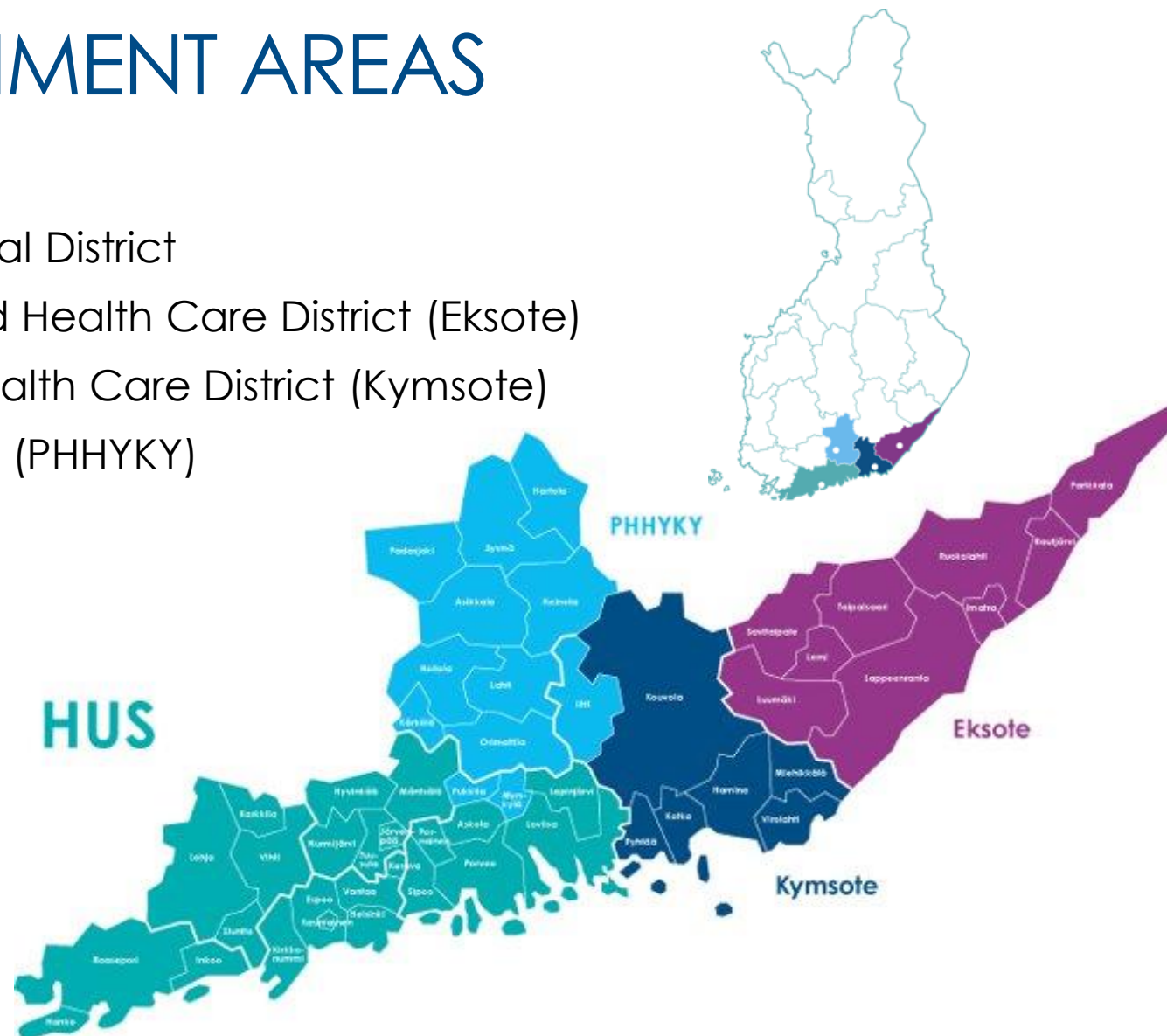
The region was **divided into four counties and the City of Helsinki** retains independent responsibility for its own health and social services.

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

A photograph of two surgeons in an operating room. They are wearing green scrubs, purple surgical caps, and masks. They are looking down at a patient, illuminated by a large, circular surgical light fixture with many small lights. The text "OUR RESEARCH SERVICES" is overlaid in yellow, bold, sans-serif font across the middle of the image.

OUR RESEARCH SERVICES

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

* This figure covers the entire HUS Specific Catchment Area.

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)



RESEARCH

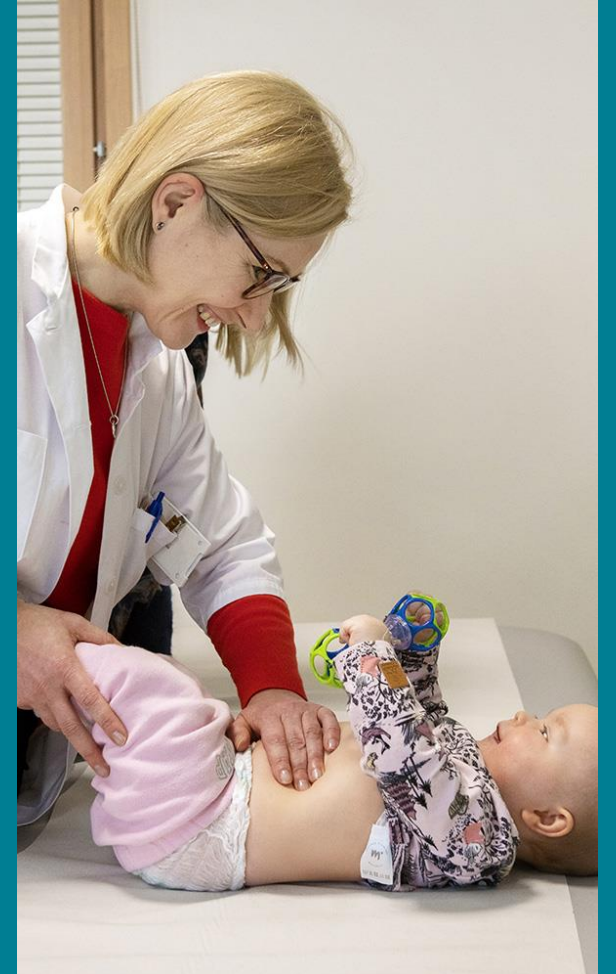


PAEDIATRIC CLINICAL TRIAL UNIT

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.

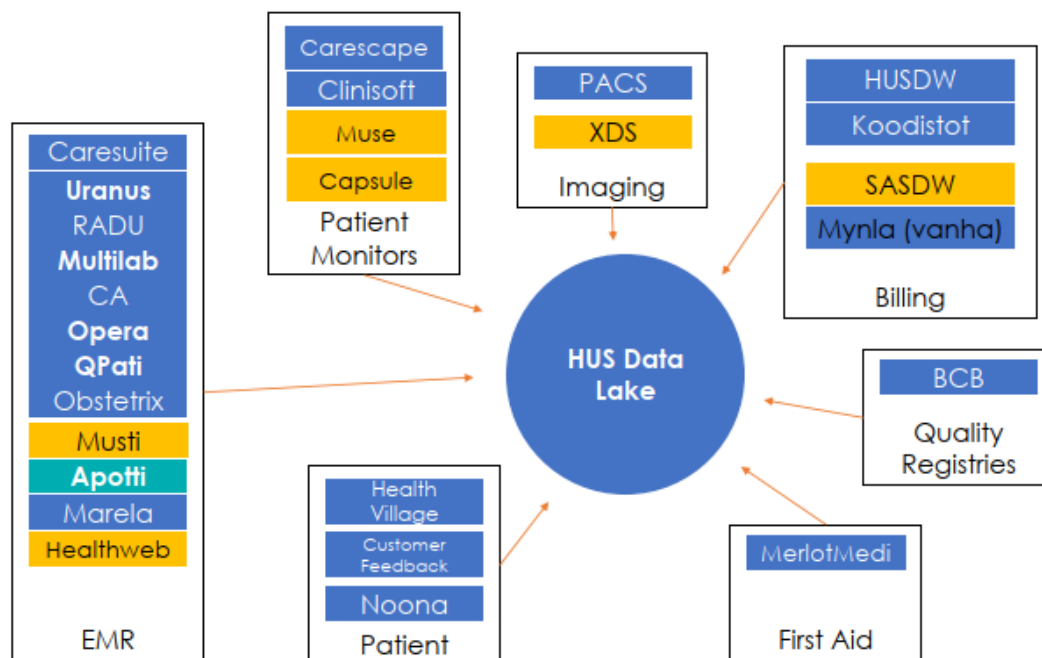
In addition, we support academic research and conduct pharmaceutical or device trials in cooperation with companies.

In the Clinical Trial Unit at the New Children's Hospital, we work closely together with other researchers nationally and internationally.



DATA LAKE BENEFITS PEDIATRICS RESEARCH

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.



PEDIATRIC RESEARCH CENTER



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RESEARCH IS THE BASIS OF GOOD CARE

We use science to promote the health of children by finding new methods of preventing, identifying, and treating illnesses.



Research

We conduct research ranging from genes to epidemiology and from individualized treatment to public health, always to benefit children.

[About the researches](#)



Close to the patient

Our research groups work at the Meilahti campus: in the University of Helsinki and at the New Children's Hospital. Research and treatment together.

[About us](#)



To benefit children

Children are entitled to the best care possible. That is why we are committed to using the latest research data to treat children and prevent pediatric diseases.

[Read news](#)

Finland's largest research community for pediatric diseases

The Pediatric Research Center is located in Helsinki, in the Meilahti hospital area.

VACCINE RESEARCH COLLABORATION

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



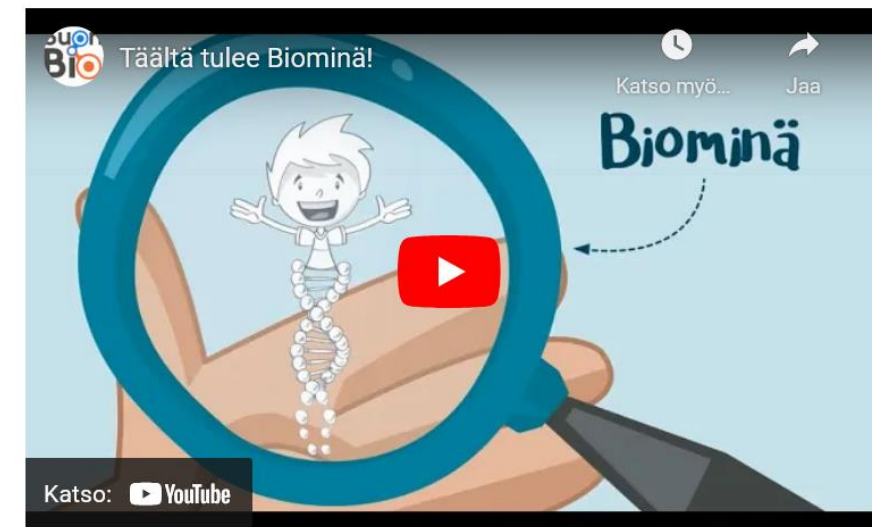
HELSINGIN **BIOPANKKI**
HELSINGFORS **BIOBANK**
HELSINKI **BIOBANK**



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.

Video about Biojaget (in Finnish)



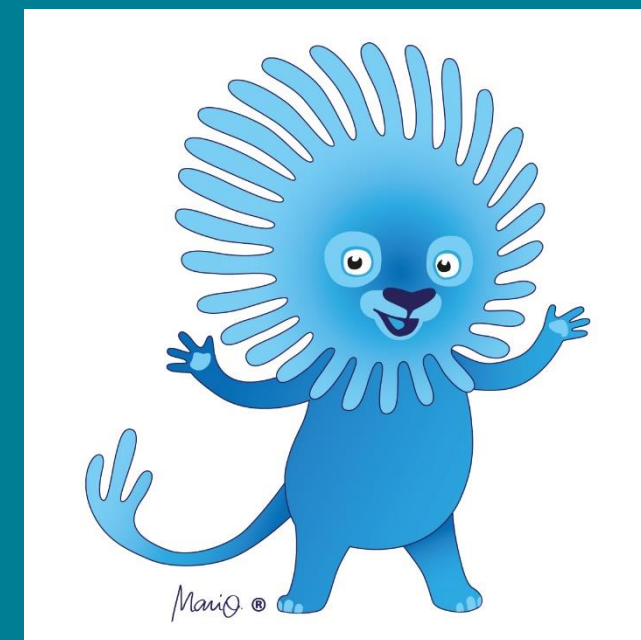
RESEARCH PANELS IN HUS

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,



FIN
RESEARCH
TEENS

NETWORKING IS KEY FOR RESEARCH COLLABORATION



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.



European
Children's
Hospitals
Organisation



Working together
to face global
challenges
in children's
healthcare



THANK YOU FOR
LISTENING!

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