



IS FOR BIOBANK



WHAT IS A BIOBANK?

A biobank is a collection of biological samples and data gathered with the donor's consent, and will be used for future medical research and product development for healthcare and health promotion purposes.

Samples in biobanks can be used for a variety of future research needs, not only for a defined specific research purpose.

Your donation makes a difference!

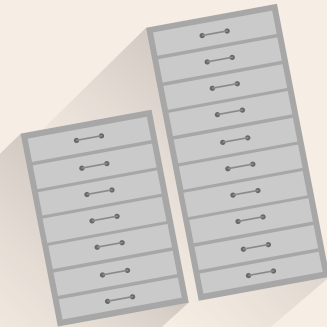
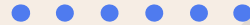
BIOBANKS IN FINLAND



**Biobank Act
2013**

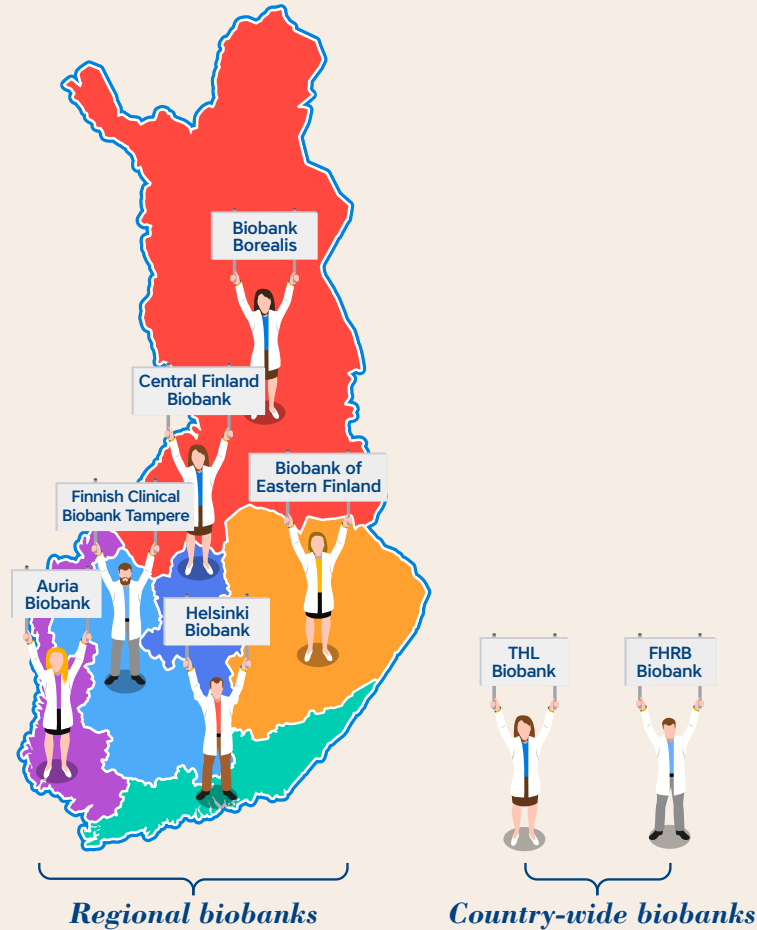


**Establishment of biobanks
2014-15**



**500 000 samples
by 2020**

BIOBANKS IN FINLAND



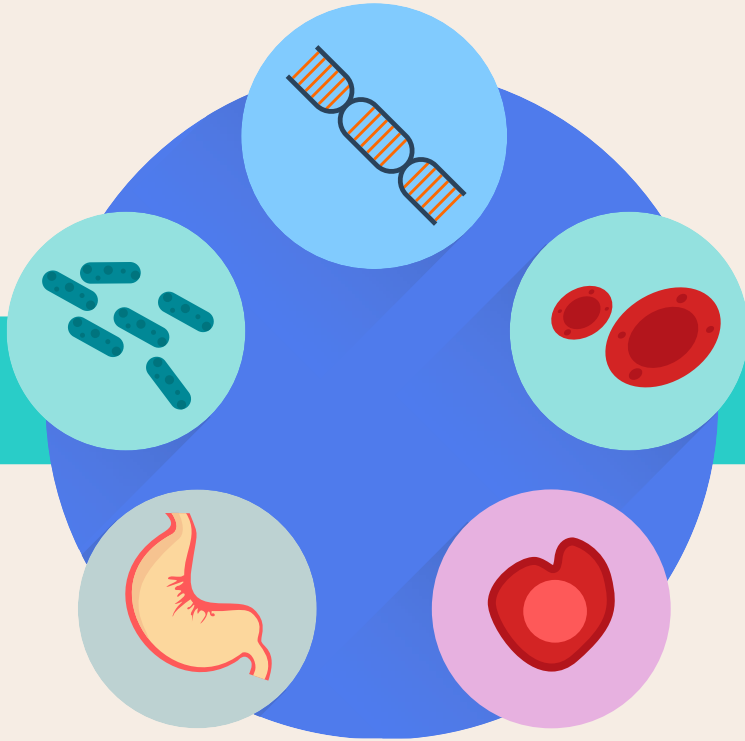
HOW DO BIOBANKS OPERATE?



1. Consent

Everything is based on voluntary biobank consent.

HOW DO BIOBANKS OPERATE?



2. Sampling

In contact with hospitals, health centers, research projects or directly in biobanks.

HOW DO BIOBANKS OPERATE?



3. Sample deposit

Biobanks are owned by hospitals, universities and other research organisations and need to be registered by Valvira*.

* *The National Supervisory Authority for Welfare and Health*

HOW DO BIOBANKS OPERATE?



4. Data deposit

For instance, disease, health and lifestyle information and data from different measurements.

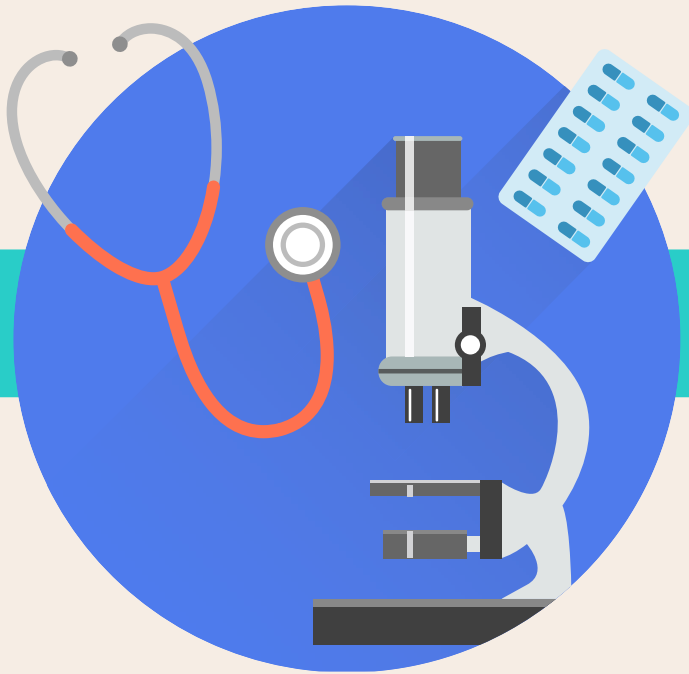
HOW DO BIOBANKS OPERATE?



5. Anonymity of samples and data

All the donor samples and data are stored in coded format separate from each other.

HOW DO BIOBANKS OPERATE?



6. Samples and data for research purposes

Biobank data and samples are used for high quality medical research and development of new, more effective treatment practices.

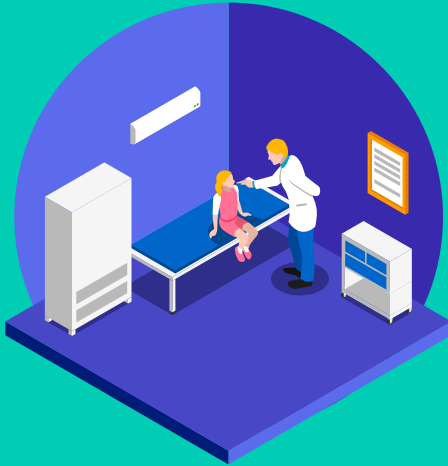
HOW DO BIOBANKS OPERATE?



7. Results and benefits

Research produces new information about diagnostics, diseases and treatments.

ALL BENEFIT FROM BIOBANKS



MORE EFFECTIVE

- Prevention of diseases
- Reduction of health risks
 - by guiding lifestyle choices (physical training, nutrition and avoiding risks/harmful exposure)
 - by identifying risk groups

SPECIFIED DIAGNOSTICS

- More specified diagnostics
- Better identification of disease subgroups



ALL BENEFIT FROM BIOBANKS



TARGETED TREATMENT AND MEDICATION

- More effective treatment practices
- New and more accurate medication
- Same medication is not suitable for everyone
 - drug response varies among people
 - aiming at personalized treatment

COLLABORATION BETWEEN:

Healthcare • Companies • Researchers
Patients and other citizens

Your donation makes a difference!

Contents:

Juha Pekka Turunen – Head of Education, The Finnish Medical Society Duodecim

Anu Jalanko – Head of Biobank, THL Biobank

Helena Kääriäinen – Research Professor, THL Biobank

Saara Hassinen – CEO, Finnish Health Technology Association Healthtech Finland

Olli Vainio – Communication Specialist, Voimisto Oy

Joonas Koskela – Communication Specialist, Voimisto Oy

Graphic design & illustration:

Joonas Koskela – Voimisto Oy

Publishers:

The Advisory Board on Biotechnology
BBMRI.fi



Further information:

www.biopankki.fi www.btnk.fi www.bbmri.fi