

# NEWSLETTER

## HUNT Research Center

### Shit is happening! - HUNT4 Gut Microbiome Data Available



The gut microbiome is the largest and most diverse part of the human microbiome and has lately received increasing attention for its role in human health and disease. In HUNT4, participants were for the first time invited to donate fecal samples. More than 13 000 participants generously collected stool samples on filter paper at home and sent them to HUNT by mail. The DNA was then sent to the Clinical Microbiomics laboratories in Denmark for shotgun metagenome sequencing and microbiome profiling.

#### High-quality gut microbiome data is now available from 12 887 HUNT4 participants!

The new dataset includes information on the presence, abundance and functional potential of more than 6 800 bacterial, eukaryotic and archaea species (~4900 present in at least one participant), and over 26 000 bacteriophages (~25 800 present in at least one participant). The current microbiome data was obtained using the Clinical Microbiomics Human Microbiome Profiler (CHAMP) pipeline and is annotated to the Genome Taxonomy Database (GTDB), while microbiome profiles obtained with the MetaPhlAn 4 pipeline will be available soon.

#### Applying for HUNT material? Short processing time

Researchers associated with Norwegian research institutes and REK approval can apply for the use of HUNT material. Access to the requested HUNT material is given after the application is approved by HUNT's Data Access Committee and an agreement is signed. The agreement gives the applicant the right to research a specific topic for a limited time period and to publish a decided upon number of articles.

The past year HUNT have had an average of five days processing time, counting from when complete application is received to the agreement being ready for signing. When signed, variables will be delivered. The average time for delivery is one day after request.

#### HUNT5 Inputs

Updated population data is in demand by both local and central health authorities, both for research and community planning. Since the previous survey in 2017-2019 we have experienced major upheavals in Norway; the pandemic, the economy and other socially relevant areas such as mental health, youth and the elderly. HUNT is therefore planning the next population survey, HUNT5, from 2027-2029.

We are now welcoming inputs regarding themes, angles and priorities, please visit the [HUNT5 website](#) and fill in the form.

November 2024



*The Trøndelag Health Study (HUNT) is one of the largest longitudinal health studies ever performed. It is a unique database of questionnaire data, clinical measurements and samples from a county's inhabitants going back to 1984. Today, HUNT Research Centre has a database with information on 250,000 people, certified in conformity with NS-EN ISO 9001:2015 since 2011.*

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#### Seminar: The HUNT Study celebrate 40 years of population surveys!

2024 marks 40 years since the first HUNT Study started collecting data from inhabitants in Trøndelag. We end the anniversary with a seminar open to everyone on Friday, December 6th in Trondheim (St. Olavs Hospital).



The program include a selection of HUNT research, guest speakers from HOD, FHI, Helse Midt-Norge and Trondheim kommune, plus other interesting posts. [Check out the program here.](#)

Hope to see you December 6th!