

The 27th Norwegian Conference on Epidemiology

Bergen, November 3–4, 2021

Programme Overview

Wednesday, November 3rd

08:45	Registration at Radisson Royal Blu Hotel Bergen
09:15	Welcome and opening: NOFE leader Linda Ernstsens
09:30	Invited speakers – Introduction to large Norwegian Health Surveys 09.30-09.50 Eva Gerdt – The Hordaland Health Studies – HUSK3 (HHS/HUSK) 09.50-10.10 Bjørn Olav Åsvold – The Trøndelag Health Study (The HUNT Study) 10.10-10.30 Sameline Grimsgaard – The Tromsø Study 10.30-10.50 Ragnhild Brandlistuen – The Norwegian Mother, Father and Child Cohort Study (MoBa)
	Coffee break with refreshments
11:15	Invited speakers – Examples from studies using Norwegian Health Surveys 11.15-11.45 Steinar Krokstad – Social epidemiology in the HUNT Study 11.45-12.15 Ole Andreassen – Genetic factors in Health Surveys
12:15	Lunch
13:15	Oral presentations of submitted abstracts – part 1: Methods A1-A4 Reproductive factors B1-B4 FHUS/NHUS C1-C4 Cancer D1-D4 Infection/COVID E1-E4
14:15	Coffee break
14:45	Publication of the year award and Honorary membership award Chairs: NOFE leader Linda Ernstsens and NOFE secretary
15:45	Coffee break with refreshments
16:00	Invited speakers – COVID-19 and Health Surveys 16.00-16.30 Anja Lindman – Beredt C19 – a datalake and preparedness register – a national realtime surveillance system for covid-19 16.30-17.00 Arnaldo Frigessi – Mathematical modelling of the corona virus pandemic in Norway
17:00	Coffee break
17.15-18.15	NOFE annual meeting
19:30	Welcome drink at Radisson Royal Blu Hotel Bergen
20:00	Conference dinner at Radisson Royal Blu Hotel Bergen

Thursday, November 4th

08:45	Invited speakers – Methodological and analytic challenges and opportunities with Health Surveys 08.45-09.15 Kyrre Breivik – Missing data in Health Surveys 09.15-09.45 Håkon K. Gjessing – Event history analysis, with examples from Health Surveys
09:45	Coffee break
10:15	Oral presentation of submitted abstracts – part 2: Methods A5-A8 Mortality/ fractures B5-B8 Cancer C5-C8 CVD D5-D8 Mental health/ pain E5-E8
11:15	Poster viewing and coffee break with refreshments Please see overview of abstracts for the posters P1-P32 in the abstract leaflet
12:00	Oral presentation of submitted abstracts – part 3: Reproductive factors A9-A12 Occupation/ environmental B9-B12 Nutrition/BMI C9-C12 Pharmaco-epi/ methods D9-D12 Infection/ COVID E9-E12
13:00	Lunch
14:00	Keynote speakers - International Health Surveys 14.00-14.30 Janet Rich-Edwards – The Nurses Health Study 14.30-15.00 Nicholas J. Timpson – Avon Longitudinal Study of Parents and Children (the ALSPAC Study)
15.00	Coffee break with refreshments
15:15	User involvement in population studies How can user involvement add value to health research? Expectations, opportunities and challenges, by Anne Rita Øksengård Session lead by Sameline Grimsgaard
16.15	Closing of the conference by NOFE leader Linda Ernstsen

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Scientific Programme for Parallel Sessions

Oral presentations of submitted abstracts – part 1

Wednesday, November 3rd 13.15-14.15

Time	No.	Theme: Methods	Presenters
13:15	A1	Can we trust the hazard ratio? -Causal consequences of observed proportional hazards	Morten Valberg
13:30	A2	Separable Effects of Baseline Exposure in Multi-State Models	Niklas Nyboe Maltzahn
13:45	A3	Diving into registry data: enhancing epidemiology with bioinformatics and experiments	Julia Romanowska
14:00	A4	Causal inference in survival analysis using longitudinal observational data: Sequential trials and marginal structural models	Jon Michael Gran

Time	No.	Theme: Reproductive factors	Presenters
13:15	B1	Birthweight, consecutive pregnancies, and long-term maternal mortality: at term and beyond	Yeneabeba Tilahun Sima
13:30	B2	How is birth weight affected in the next singleton birth following a first singleton or twin birth?	Prativa Basnet
13:45	B3	Epigenome wide association study of folate levels in pregnancy	N. Fragoso-Bargas
14:00	B4	Preconception leisure-time physical activity and family history of cardiovascular disease as they relate to preterm delivery	Tone Engen

Time	No.	Theme: FHUS/NHUS	Presenters
13:15	C1	Norwegian County Public Health Surveys – Cohort Update.	Thomas Nilsen
13:30	C2	Quality of life, psychological distress, sleeping problems and global subjective health after injuries. A study among adults in three Norwegian counties.	Leif Edvard Aarø

13:45	C3	Psychological distress before and nine months into the COVID-19 pandemic: a longitudinal study from The Norwegian Counties Public Health Surveys	Marit Knapstad
14:00	C4	The National Health Survey from the Norwegian Institute of Public Health – Establishing a new data source for surveillance- and research	Marianne Hope Abel

Time	No.	Theme: Cancer	Presenters
13:15	D1	Pigmentary Characteristics and Melanoma Survival in Norwegian Women	Ashley Ahimbisibwe
13:30	D2	Cohort profile: The Clinical and Multi-omic (CAMO) cohort, part of the Norwegian Women and Cancer (NOWAC) study	Andre B. Delgado
13:45	D3	The Norwegian Women and Cancer study (NOWAC)	Guri Scheie
14:00	D4	Childhood cancer risk among individuals with major birth defects: A Nordic collaborative study	Dagrun Daltveit

Time	No.	Theme: Infection/ COVID	Presenters
13:15	E1	Understanding long-term symptoms after covid-19: Results from MoBa	Ida Henriette Caspersen
13:30	E2	COVID-19 vaccination in Norway – using nationwide individual level data to identify distribution and overlap of prioritized groups	Hanne L. Gulseth
13:45	E3	Short-term safety of SARS-CoV-2 vaccination in the elderly population in Norway	Nina Gunnes
14:00	E4	Sex differences in incidence of bloodstream infections and the mediating role of known risk factors. Results from the population-based HUNT study in Norway	Randi Marie Mohus

Oral presentations of submitted abstracts – part 2

Thursday, November 4th 10.15-11.15

Time	No.	Theme: Methods	Presenters
10:15	A5	Body mass index and incidence of lung cancer in The HUNT Study: Using observational and Mendelian randomization approaches	Lin Jiang
10:30	A6	Problems with Power: Unanticipated computational challenges in a large nutritional epidemiology cohort.	Andrew Mashchak
10:45	A7	Validation study of the self-reported educational level in the Tromsø Study	Chi Q. Vo
11:00	A8	Pizza made healthy – an epidemiological cookbook	Kajsa Møllersen

Time	No.	Theme: Mortality/ fractures	Presenters
10:15	B5	Hip-IMPACT: Explaining the declining hip fracture rate from 1999-2019. A NOREPOS study	Helena K. Kjeldgaard
10:30	B6	Associations between vertebral fracture and mortality. The Tromsø Study 2007-2020	Jonas Johansson
10:45	B7	Cold- a risk factor for osteoporotic fractures and fracture related mortality	Cecilie Dahl
11:00	B8	Stroke survival and the impact of geographic proximity to first-degree relatives: population-based cohort study	Hye Jung Choi

Time	No.	Theme: Cancer	Presenters
10:15	C5	30-day mortality after myocardial infarction in patients with prostate cancer in Norway- A population-wide registry-based study	Rachel B. Forster
10:30	C6	Trends in melanoma tumour thickness in Norway 1980-2019	Raju Rimal
10:45	C7	The Oslo II-study 2000: Low level of antibodies to the oral bacteria <i>Tannerella forsythia</i> and <i>Treponema denticola</i> predict cancer incidence	Lise Lund Håheim
11:00	C8	Breast cancer related exposures and gene expression profiles in normal breast tissue – The Norwegian Women and Cancer (NOWAC) study	Karina Standahl Olsen

Time	No.	Theme: CVD	Presenters
10:15	D5	Risk factors and psycho-socioeconomic determinants for cardiovascular diseases according to various living areas with lifestyle factors as mediators. The Tromsø Study	Sweta Tiwari
10:30	D6	Modelling unobserved heterogeneity by education level in cardiovascular disease mortality - A frailty analysis of Norwegian population-based health surveys	Huong Nguyen Thu
10:45	D7	Time trends and characteristics of heart failure listed (incorrectly) as the underlying cause of death: a thirty-year nationwide study in Norway	Gerhard Sulo
11:00	D8	Prevalence and incidence rates of atrial fibrillation in Denmark 2004-2018 – methodological considerations	Emilie R. Hegelund

Time	No.	Theme: Mental health/ pain	Presenters
10:15	E5	Feasibility of Twitter text mining as a tool for investigating patterns in antenatal mental health experiences	Sage Wyatt
10:30	E6	The physical activity paradox - Association between occupational physical activity, leisure time physical activity and chronic pain	Mats K. Fjeld
10:45	E7	Effect of physical activity on psychosocial health among adult survivors of childhood cancer - The SURfit study	Wei H. Deng
11:00	E8	The association between health anxiety and number of physical diseases in a general population	Anja Davis Norbye

Oral presentations of submitted abstracts – part 3

Thursday, November 4th 12.00-13.00

Time	No.	Theme: Reproductive health	Presenters
12:00	A9	Reproductive factors in relation to incidence of lung cancer in Norwegian women: the HUNT Study	Marion Denos
12:15	A10	Smoking and subfertility: multivariable regression and Mendelian randomization analyses in the Norwegian Mother, Father and Child Cohort Study	Álvaro Hernáez
12:30	A11	Risk of cardiovascular disease among subfertile women and men: The HUNT Study, Norway	Karoline H. Skåra
12:45	A12	Early childhood respiratory tract infections according to parental subfertility and conception by assisted reproductive technologies	VR Mitter

Time	No.	Theme: Occupation/ environmental	Presenters
12:00	B9	Burden of disease due to transportation noise in the Nordic countries – a NordSOUND study	Gunn Marit Aasvang
12:15	B10	Educational and gender differences in duration in work participation and non-participation among older individuals in Norway	Suzanne L. Merkus
12:30	B11	Gender differences in the impact of work exposures on age of withdrawal from paid employment among older workers	Karina Undem
12:45	B12	Night shift work and risk of aggressive prostate cancer in the Norwegian Offshore Petroleum Workers (NOPW) Cohort	Leon A.M. Berge

Time	No.	Theme: Nutrition/ BMI	Presenters
12:00	C9	Intake of sucrose-sweetened beverages and risk of developing pharmacologically-treated hypertension in women: Cohort Study	Kristin Ø. Børresen
12:15	C10	Intake of fermented dairy products and associations with blood lipid concentrations – The Tromsø Study: Tromsø7	Monika L. Machlik
12:30	C11	BMI and Waist circumference as predictors of Frailty/ Prefrailty among elderly people	Shreeshti Uchai
12:45	C12	Intakes of Fish and Long Chain n-3 Polyunsaturated Fatty Acid Supplements During Pregnancy and Subsequent Risk of Type 2	Jannike Øyen

Diabetes in a Large Prospective Cohort Study of Norwegian Women

Time	No.	Theme: Pharmaco-epi/ methods	Presenters
12:00	D9	Estimating risk of disease in the presence of “fuzzy” loss to follow-up: type 1 diabetes in the MIDIA birth cohort 2001-2017	Lars C. Stene
12:15	D10	Antidepressant fill trajectories in pregnant women with depression and/or anxiety in Norway: results from a registry linkage study	Nhung TH. Trinh
12:30	D11	Association between prenatal analgesic opioid exposure and fifth grade school performance – a MoBa study	Johanne Naper Trønnes
12:45	D12	Prenatal triptan exposure and risk of ADHD in childhood: results from the Norwegian Mother, Father and Child Cohort study	Gerd-Marie E. Harris

Theme: Infection/ COVID			
Time	No.		Presenters
12:00	E9	The Young-HUNT COVID Survey	Kirsti Kvaløy
12:15	E10	Within-host seasonal immunity and seasonal influenza – trajectories of gene expression from immune cells in blood - the NOWAC postgenome biobank	Eiliv Lund
12:30	E11	Association of insomnia symptoms with the risk of bloodstream infections: results from the prospective population-based HUNT Study in Norway	Marianne S. Thorkildsen
12:45	E12	Prevalence of mental disorders and suicidality in the general population before and during the first six months of the COVID-19 pandemic in Norway	Ann-Kristin Skrindo-Knudsen