

## Programme

### 11<sup>th</sup> Nordic Conference of Epidemiology and Register-Based Health Research, NordicEpi 2024

(updated June 6<sup>th</sup>, 2024)

#### Pre-conference courses/workshops

Wednesday, June 12<sup>th</sup>

9:00-12:00	Parallel pre-conference courses/workshops			
<b>Title:</b>	<b>How to use disease burden methods on Nordic registry data</b>	<b>How to Emulate a Target Trial to Study the Effects of Treatments</b>	<b>Introduction to Complex Systems Methods in Epidemiology and Public Health</b>	<b>The Danish National Birth Cohort: a resource for life-course epidemiology</b>
<b>Room:</b>	Auditorium 35.01.05 Building 35	Auditorium 35.01.06 Building 35	Teaching room 35.3.12 Building 35	Teaching room 35.3.13 Building 35
<b>Teachers:</b>	<i>Ann Kristin Knudsen, Carl Baravelli and Ingeborg Forthun, Norwegian Institute of Public Health</i>	<i>Sonia Hernández-Díaz, Harvard T.H. Chan School of Public Health</i>	<i>Jeroen Floris Uleman, Adrian Gariel Zucco and Naja Hulvej Rod, University of Copenhagen</i>	<i>Anne-Marie Nybo Andersen, University of Copenhagen</i>
<b>Registration:</b>	Registration required	Registration required	Registration required. Limited spaces.	Registration not required

## Conference programme

**Wednesday, June 12<sup>th</sup>**

<b>11.00-12.30:</b>	<b>Registration</b>		<b>Room:</b> Building 34
<b>12.30-12.45:</b>	<b>Welcome</b> <i>Conference chair Stine Schramm, Danish Epidemiological Society and Centre for Childhood Health</i>		<b>Room:</b> Chr. Hansen-auditorium Building 34
<b>12.45-13.30:</b>	<b>Plenary session: “Complex Systems Methods in Epidemiology and Public Health”</b> <i>Professor Naja Hulvej Rod, University of Copenhagen</i>		<b>Room:</b> Chr. Hansen-auditorium Building 34
<b>13.30-14.20:</b>	<b>Poster viewing and coffee</b>		<b>Room:</b> Chr. Hansen-auditorium Building 34
<b>14.20-14.30:</b>	<b>Walk to building 35</b>		
<b>14.30-16.00:</b>	<b>Parallel session</b>		
	<b>Statistical methods development in population-based survival analysis (symposium)</b>	<b>Social epidemiology I</b>	<b>Occupational epidemiology</b>
	<b>Auditorium 35.01.05, building 35</b>	<b>Auditorium 35.01.06, building 35</b>	<b>Auditorium 35.01.44, building 35</b>
	<b>Chairs:</b> Caroline E. Dietrich, Karolinska Institutet and Therese M-L. Andersson, Karolinska Institutet	<b>Moderator:</b> Terese SH Jørgensen	<b>Moderator:</b> Henrik Støvring
	Exploring the impact of socioeconomic differences in stage-specific cancer patient survival in England <i>Mark Rutherford, Leicester University</i>	Equity of referrals to type 2 diabetes rehabilitation in a universal welfare state. <i>Mette Bender, University of Copenhagen</i>	Register-based job exposure matrix studies to examine the impact of psychosocial working conditions on physical and mental health. Experiences from Denmark and Sweden <i>Reiner Rugulies, National Research Centre for the Working Environment, Copenhagen, Denmark</i>
	Reference adjusted survival measures. An alternative to net survival. <i>Tor Åge Myklebust, Norwegian Cancer Register</i>	Social disparities in multimorbidity of noncommunicable diseases in Norway 2010-2020 – an emerging challenge in a single-disease-focused healthcare system. Data from the NCDNOR project <i>Lars Kjerpeseth, Norwegian Institute of Public Health</i>	Occupation and long-term decline in lung function: A large population study from Norway <i>Lisa Aarhus, Statens Arbejdsmiljøinstitut</i>

	Disentangling health disparities using an extension of mediation analysis to the relative survival framework <i>Elisavet Syriopoulou, Karolinska Institutet</i>	Successful decline but increasing socioeconomic gap in hip fracture incidence in Oslo, Norway <i>Kristin Holvik, Norwegian Institute of Public Health</i>	Validity of self-reported night shift work among women with and without breast cancer <i>Jesper Medom Vestergaard, Aarhus University</i>
	Parametric estimation of the mean number of events in the presence of competing risks. <i>Joshua Entrop, Karolinska Institutet</i>	Educational differences in healthcare use among survivors after breast, prostate, lung, and colon cancer - a SEQUEL cohort study <i>Anne Katrine Levinsen, Danish Cancer Institute</i>	An emulated target trial examining onset and offset of perceived job insecurity on the risk of sickness absence due to common mental disorders <i>Sandra Blomqvist, Stockholm University</i>
	Machine learning-based survival prediction models for progression free and overall survival in advanced-stage Hodgkin lymphoma. <i>Rasmus Rask Kragh, Aalborg University</i>	The Association Between Having Adult Children and Survival After Colon and Rectal Cancer Among Older Adults: A Danish Register-Based Cohort Study <i>Emma Neble Larsen, University of Copenhagen</i>	Risk of hypersensitivity pneumonitis and interstitial lung diseases following occupational organic dust exposure <i>Inge Brosbøl Iversen, Aarhus University Hospital</i>
		Sociodemographic differences in the response to changes in COVID-19 testing guidelines in Sweden <i>Fredrik Nyberg, University of Gothenburg</i>	Occupational daytime light exposure and risk of initiating antidepressant treatment <i>Lau Amdisen, Aarhus University Hospital</i>
<b>16:00-16:15:</b>	<b>Refreshment break</b>		<b>Room: Building 35</b>
<b>16:15-17:00:</b>	<b>Parallel session</b>		
	<b>Creating and validating register-based variables</b>	<b>Social epidemiology II</b>	<b>Mental health and psychiatric disorders</b>
	<b>Auditorium 35.01.05, building 35</b>	<b>Auditorium 35.01.06, building 35</b>	<b>Auditorium 35.01.44, building 35</b>
	<b>Moderator:</b> Henrik Støvring	<b>Moderator:</b> Oleguer Plana-Ripoll	<b>Moderator:</b> Gro Askgaard
	Validation of obstetric diagnosis and procedure codes in the Danish National Patient Registry in 2017 <i>Mette Bliddal, University of Southern Denmark</i>	Risk of homelessness after prison release and recidivism: A Danish nationwide, register-based, cohort study <i>Sandra Feodor Nilsson, Mental Health Center Copenhagen, Copenhagen University Hospital</i>	Risk and trajectories of postpartum depression in parents of twins compared to parents of singletons <i>Sofie Egsgaard, University of Southern Denmark</i>
	Algorithm for forming hospital courses by combining sequential attendance contacts in the Danish National Patient Register: A consensus-driven methodological development study <i>Rasmus Gregersen, Copenhagen University Hospital - Bispebjerg and Frederiksberg</i>	Income in epidemiological research: a guide to measurement and analytical treatment for mental health and mortality studies <i>Linda Ejlskov, Aarhus University</i>	Association between cannabis use disorder and schizophrenia stronger in young males than in females <i>Carsten Hjorthøj, Copenhagen Research Center for Mental Health – Core</i>
	Validation of the “Indication for Use” (INDO) Variable in the Danish National Prescription Registry <i>Hanin Harbi, University of Southern Denmark</i>	Socioeconomic position and cause-specific mortality in 15-24-year-olds in Denmark 2010 to 2022: a nationwide study <i>Janne Tolstrup, University of Southern Denmark</i>	Comprehensive Nationwide Study on Mental Health before, during, and after the COVID-19 Pandemic <i>Clara Springhorn Grønkjær, University of Copenhagen</i>

17:45-19:00	Welcome reception at Copenhagen City Hall (limited spaces, waiting list)
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## Thursday, June 13<sup>th</sup>

9:00-9:45:	<b>Plenary session: "Prevention of dementia by targeting risk factors across the life course"</b> <i>Professor Mika Kivimaki, University College London and University of Helsinki</i>			<b>Room:</b> Chr. Hansen-auditorium Building 34
9:45-10:15:	<b>Plenary session: "Constructing causal life course models: Comparing data-driven and theory-driven approaches"</b> <b>Early Career Researcher (selected among submitted abstracts):</b> <i>Assistant Professor Anne Helby Petersen, University of Copenhagen</i>			<b>Room:</b> Chr. Hansen-auditorium Building 34
10:15-10:25	Walk to building 35			
10:25-10:45:	Coffee break			<b>Room:</b> Building 35
10:45-12:15:	<b>Parallel session</b>			
	<b>Environmental Epidemiology (symposium)</b>	<b>Microchimerism and health (symposium)</b>	<b>Confounding and causal models</b>	
	<b>Auditorium 35.01.05, building 35</b>	<b>Auditorium 35.01.06, building 35</b>	<b>Auditorium 35.01.44, building 35</b>	
	<b>Chairs:</b> Annelise Blomberg, Lund University and Amalie Timmermann, University of Southern Denmark	<b>Chairs:</b> Gitte Lindved Petersen, Steno Diabetes Center Copenhagen and Mads Kamper-Jørgensen, University of Copenhagen	<b>Moderator:</b> Oleguer Plana-Ripoll	
	Use of geographical data in register-based environmental epidemiology – exemplified by a study of traffic related pollution and risk of incident acute myocardial infarction <i>Kirstine Wodschow, University of Southern Denmark</i>	Factors associated with acquisition and retention of male origin microchimerism in women <i>Tine Dreier Bille, University of Copenhagen</i>	Using causal modeling frameworks to investigate the association between long-term exposure to nitrogen dioxide and COVID-19 diseases <i>Jiawei Zhang, University of Copenhagen</i>	
	Use of registers in environmental epidemiology combining with modeled exposure data and health registers: Associations between long-term exposure	A potential role for circulating fetal microchimerism in placental dysfunction and fetal-maternal crosstalk during the latter half of pregnancy?	Residual confounding: The example of parental age and miscarriage	

	to air pollution, road traffic noise, and heart failure incidence. <i>Youn-Hee Lim, University of Copenhagen</i>	<i>Heidi E. Fjeldstad, Oslo University Hospital</i>	<i>Anne-Marie Nybo Andersen, University of Copenhagen</i>
	Analysis of PFAS in archived dried blood spots from newborns and its application to historical PFAS exposure assessment in the community of Ronneby, Sweden. <i>Annelise Blomberg, Lund University</i>	Revisiting male origin microchimerism and mortality <i>Mads Kamper-Jørgensen, University of Copenhagen</i>	Genetic confounding of the association between age at hormonal contraception initiation and depression <i>Katherine Louise Musliner, Dept. of Affective Disorders, Aarhus University and Aarhus University Hospital-Psychiatry</i>
	PFAS and breastfeeding - how confounding turns into information bias with changes in exposure assessment. <i>Amalie Timmermann, University of Southern Denmark</i>	Maternal microchimerism in cord blood and infections in early childhood <i>Gitte Lindved Petersen, Steno Diabetes Center</i>	Duration and intensity of being breastfed and educational attainment, income and labour force participation: a prospective cohort and sibling study from Denmark <i>Lise G Bjerregaard, Copenhagen University Hospital – Bispebjerg and Frederiksberg</i>
	Exposure measurement error in calculations of reference dose levels. <i>Esben Budtz-Jørgensen, University of Copenhagen</i>	Circulatory maternal microchimerism and type 1-diabetes: a Danish case-sibling study <i>Josefine Klakk, Aarhus University</i>	Physical activity and depression; evaluating the role of familial confounding with multicohort sibling data <i>Eetu Soini, University of Helsinki</i>
			Time Trends of the Association of Body Mass Index with Mortality in 3.5 Million Young Swedish Adults <i>Innocent Baltazar Mboya, Lund University</i>
<b>12:15-13:15:</b>	<b>Lunch</b>		<b>Room:</b> Building 35
<b>13:15-14:45:</b>	<b>Parallel session</b>		
	<b>Burden of disease activities in the Nordic countries: applications, impact, and opportunities for collaboration (symposium)</b>	<b>Statistical and epidemiological challenges and innovations</b>	<b>Life course epidemiology</b>
	<b>Auditorium 35.01.05, building 35</b>	<b>Auditorium 35.01.06, building 35</b>	<b>Auditorium 35.01.44, building 35</b>
	<b>Chairs:</b> Sara Monteiro Pires, Technical University of Denmark and Anton Lager, Region Stockholm and Karolinska Institute	<b>Moderator:</b> Katrine Grau	<b>Moderator:</b> Stine Schramm
	Burden of disease approaches for prevention of food-associated diseases <i>Lea Sletting Jakobsen, Technical University of Denmark</i>	Exact confidence intervals for interval censored rates with small counts <i>Henrik Støvring, University of Southern Denmark</i>	Life course socioeconomic position and cardiovascular disease: The combined influence of shared family factors, cognitive ability, and risk factors <i>Hye Jung Choi, University of Oslo</i>

	Educational Disparities in all-cause and cause-specific years of life lost: A burden of disease analysis of Scandinavian registries over a 30-year period <i>Carl Michael Baravelli, Norwegian Institute of Public Health</i>	Bettering scientific reporting by replacing p values with simple, informative, objective and flexible Bayes factors <i>Klaus Rostgaard, Danish Cancer Society</i>	Intergenerational effects in the associations between childhood body mass index trajectories and adult coronary heart disease <i>Julie Aarestrup, Copenhagen University Hospital - Bispebjerg and Frederiksberg</i>
	Use of garbage codes in the Norwegian Cause of Death registry based on the Global Burden of Disease study 2021 <i>Ingeborg Forthun, Norwegian Institute of Public Health</i>	Sequential safety monitoring of drugs: a tool for prospective drug safety monitoring <i>Saad Hanif Abbasi, University of Southern Denmark</i>	Trajectories of childhood poverty and patterns of psychiatric contacts in adolescence and young adulthood <i>Sanne Pagh Møller, University of Southern Denmark</i>
	International collaboration for burden of COVID-19 calculations: leveraging on the experience for a strengthened burden of disease community <i>Sara Monteiro Pires, Technical University of Denmark</i>	The ICH E9(R1) Estimand Framework in the Context of Real-World Data and Observational Studies <i>Lotte Husemoen, Novo Nordisk A/S</i>	Weight trajectories through adulthood and prostate cancer incidence, aggressiveness, and death <i>Marisa da Silva, Lund University</i>
	Economic Burden of Breast Cancer in Denmark: Estimation and Evaluation of Casual Methods <i>Emily Johnson, University of Southern Denmark</i>	Is the sequence ratio an unbiased estimate of the incidence rate ratio? A simulation study <i>Lars Christian Lund, University of Southern Denmark</i>	Lipid levels during adult lifetime in men and women with and without a subsequent incident myocardial infarction. The Tromsø Study 1974-2016 <i>Grethe Albrektsen, Norwegian University of Science and Technology</i>
		Hypersensitivity of self-controlled designs towards exposure misclassification when there is abundant chronic use - a simulation study <i>Jesper Hallas, Southern Denmark</i>	Preliminary results. Atopic dermatitis in childhood and reproductive health in young adult men: A cohort study in the Danish National Birth Cohort <i>Camilla Lomholt Kjersgaard, Aarhus University</i>
<b>14:45-15:00:</b>	<b>Walk to building 34</b>		
<b>15:00-16:15:</b>	<b>Poster viewing, poster tour and coffee</b>		<b>Room:</b> Building 34
<b>16:15-17:00:</b>	<b>Plenary session: "Target Trial Emulation: Use of Real World Data for Causal Inference"</b> Professor Sonia Hernández-Díaz, Harvard T.H. Chan School of Public Health		<b>Room:</b> Chr. Hansen-auditorium Building 34
<b>19:00-</b>	<b>Conference dinner</b>		<b>Kayak bar</b>

Friday, June 14<sup>th</sup>

09:15-10:00:	<b>Plenary session: “Causal inference in social epidemiology”</b> <i>Professor Laura Howe, Bristol University</i>		<b>Room:</b> Chr. Hansen-auditorium Building 34
10:00-10:30:	<b>Walk to building 35 and grab a coffee for the parallel session (served in building 35)</b>		
10:30-12:00:	<b>Parallel session</b>		
	<b>Addressing geographical disparities in health and healthcare: methods and applications (symposium)</b>	<b>Mortality and cancer</b>	<b>Pediatric and perinatal epidemiology</b>
	<b>Auditorium 35.01.05, building 35</b>	<b>Auditorium 35.01.06, building 35</b>	<b>Auditorium 35.01.44, building 35</b>
	<b>Chairs:</b> Ulf Strömberg, University of Gothenburg and Annette Kjær Ersbøll, University of Southern Denmark	<b>Moderator:</b> Terese Sara Høj Jørgensen	<b>Moderator:</b> Julie Werenberg Dreier
	Introduction to the symposium <i>Ulf Strömberg, University of Gothenburg and Annette Kjær Ersbøll, University of Southern Denmark</i>	Latent risk factor profiles in the Norwegian adult population over time and their association with premature NCD mortality – the NCDNOR project <i>Knut Eirik Dalene, Folkehelseinstituttet</i>	Utilization of Healthcare in Children Born to Lymphoma Survivors in Sweden <i>Joshua Philipp Entrop, Karolinska Institutet</i>
	Evaluating the interplay between geographical and social inequalities in hospitalized COVID-19: a nationwide register-based multilevel spatial analysis of the Danish population <i>Thora Majlund Kjærulff, University of Southern Denmark</i>	Association between change in physical activity and hospital care among breast cancer survivors with type 2 diabetes in Sweden <i>Genevieve Allen, Uppsala University</i>	Prenatal exposure to Selective Serotonin Reuptake Inhibitors and risk of Disorders of Gut-Brain Interaction in children and adolescents <i>Helene Kildegaard, University of Southern Denmark</i>
	Geographic proximity to healthcare and its association with utilization: a study on chiropractic in Denmark <i>Kristine Bihrmann, University of Southern Denmark</i>	Prevalence, Patterns, and Risk of Comorbidities and Death in Cancer Patients: A Nationwide Norwegian Registry Study – the NCDNOR Project <i>Simon Lergenmuller, The Cancer Registry of Norway</i>	Infant mortality after assisted reproductive technology treatment – a Nordic collaborative study on 7,947,575 liveborn children <i>Ditte Vassard, The Capital Region, Rigshospitalet</i>
	Evaluation of colorectal cancer screening in Sweden <i>Gabriella Chauca Strand, University of Gothenburg</i>	Treatment for urinary tract infections is associated to delayed diagnosis of urinary bladder cancer <i>Christel Häggström, Umeå University</i>	Early life psychosocial stress and risk of asthma, celiac disease and type 1 diabetes in children <i>Lars Stene, Norwegian Institute of Public Health</i>
	Evaluation of geographically located interventions using a spatiotemporal Bayesian counterfactual modelling approach <i>Carl Bonander, University of Gothenburg</i>	Potential avoidable mortality among adults with intellectual disability <i>Lau Caspar Thygesen, University of Southern Denmark</i>	Short-term exposure to ultrafine particles and asthma hospital admissions in children in Copenhagen, Denmark <i>Marie Bergmann, University of Copenhagen</i>

	Summing-up discussion	Identifying Signature Features of Epidemic Diseases from 19th Century All-cause Mortality Data <i>Maarten Van Wijhe, Roskilde University</i>	In utero exposure to psychotropic medication and long-term offspring growth trajectories <i>Kathrine Bang Madsen, Aarhus University</i>
<b>12:00-12.10</b>	<b>Walk to building 34</b>		
<b>12.10-12:45:</b>	<b>Lunch</b>		<b>Room:</b> Building 34
<b>12:45-13.30:</b>	<b>Plenary session – “Identifying Our Greatest Mistakes”</b> Professor Kenneth Rothman, Boston University and Distinguished Fellow Emeritus at the Research Triangle Institute		<b>Room:</b> Chr. Hansen-auditorium Building 34
<b>13.30-13.45:</b>	<b>Closing and announcement of next NordicEpi</b>		<b>Room:</b> Chr. Hansen-auditorium Building 34