

Swedish Register-Based Research Summit
9th November: 08.00-16.30
Venue: 7A Odenplan, Norrtullsgatan 6, 113 29 Stockholm

Program

Forenoon session

Coffee and Registration - Loke Lounge

08:00 – 08:50

Welcome note - Room: Loke

9:00 – 9:10

Sven Oskarsson, Chair SWE-REG

Key-note speech I - Room: Loke

9:10 – 10:00

Key-note speaker: Naja Hulvej Rod, Professor, Head of Section of Epidemiology, Department of Public Health, University of Copenhagen

Title: "Health complexity and big data: examples from the Danish Life Course Cohort Study".

Coffee break with poster vernissage (poster list at end of program) - Loke lounge

10:00 - 10:20

Parallel oral sessions (1-3)

10:20 – 12:00

Oral Session 1 - Room: Loke

Theme: LONG-TERM, LIFE-COURSE AND INTERGENERATIONAL STUDIES I

Moderator: Annika Rosengren

Oral session 1.1

10:20 – 10:40

Title: Geographic immobility over three generations - the role of ethno-linguistic identity and geographical context

Speaker: Andrea F. Monti, Faculty of Education and Welfare Studies, Department of Sociology, Stockholm University and Åbo Akademi

Oral session 1.2

10:40 – 11:00

Title: Adulthood outcome trajectories after childhood adversity: a longitudinal study of sex/gender differences in resilience and vulnerability in a Swedish birth cohort

Speaker: Lisa Bornscheuer, Department of Public Health Sciences, Stockholm University

Oral session 1.3

11:00 – 11:20

Title: Studying Healthy Ageing in Long Lived Families: A Register and Historical Family Data Approach

Speaker: Ingrid van Dijk, Centre for Economic Demography, Department of Economic History, Lund University

Oral session 1.4

11:20 – 11:40

Title: A 20-year study of atrial fibrillation-related stroke and uptake of novel oral anticoagulant drugs in the Swedish total older population

Speaker: Mozhu Ding, Unit of Epidemiology, Institute of Environmental Medicine, Karolinska Institutet

Oral session 1.5

11:40 – 12:00

Title: Toxic Metal Injustice? Socioeconomic Status at Birth and Proximity to Airborne Contamination

Speaker: Linuz Aggeborn, Department of Government; Uppsala Center for Labor Studies and Department of Economics; Uppsala University - Uppsala Center for Fiscal Studies

Oral Session 2 - Room: Tor 1

Theme: USE OF REGISTERS IN CLINICAL RESEARCH

Moderator: Jesper Lagergren

Oral session 2.1

10:20 – 10:40

Title: AI-support to diagnose patients with breathing difficulties in the emergency department

Speaker: Ellen Tolestam Heyman, Department of Emergency Medicine/Varberg, Halland Hospital/Region Halland

Oral session 2.2

10:40 – 11:00

Title: Can register data predict treatment outcomes among rheumatoid arthritis patients treated with TNFi?

Speaker: Serkan Arda Yilal, Division of Clinical Epidemiology, Department of Medicine, Solna, Karolinska Institutet

Oral session 2.3

11:00 – 11:20

Title: The association between SARS-CoV-2 and de novo hypertension during pregnancy

Speaker: Anne Örtqvist Rosin, Division of Clinical Epidemiology, Department of Medicine, Karolinska Institutet

Oral session 2.4

11:20 – 11:40

Title: Clarithromycin use and risk of cardiovascular events among patients hospitalised with community-acquired pneumonia

Speaker: Simone Bastrup Israelsen, Department of Infectious Diseases, Copenhagen University Hospital – Hvidovre and CAUSALab, Unit of Epidemiology, Institute of Environmental Medicine, Karolinska Institutet

Oral session 2.5

11:40 – 12:00

Title: Osteoporosis medication is only prescribed to a small portion of older Swedes with a history of fragility fracture

Speaker: Stina Ek, Unit of Epidemiology, Institute of Environmental Medicine, Karolinska Institutet

Oral Session 3 - Room: Tor 2

Theme: METHODOLOGICAL ISSUES, DATA QUALITY, NOVEL USE OF REGISTER DATA I

Moderator: Karin Modig

Oral session 3.1

10:20 – 10:40

Title: COVID-19 Research using a Novel Data Enclave: Lessons Learned from a United States Perspective

Speaker: Jessica Young, CAUSALab, Unit of Epidemiology, Institute of Environmental Medicine, Karolinska Institutet

Oral session 3.2

10:40 – 11:00

Title: Investigating missing mechanisms on the example of number of teeth in the Dental Health Register

Speaker: Henrike Häbel, Department of Learning, Informatics, Management and Ethics, Karolinska Institutet

Oral session 3.3

11:00 – 11:20

Title: New approach to study the over-coverage in population registers

Speaker: Eleonora Mussino, Department of Sociology, Stockholm University

Oral session 3.4

11:20 – 11:40

Title: Coverage of the Swedish Rheumatology Quality register: to what degree are b/tsDMARDs treatments for spondyloarthropaties recorded?

Speaker: Daniela Di Giuseppe, Division of Clinical Epidemiology, Department of Medicine Solna, Karolinska Institutet

Lunch with poster vernissage (poster list at end of program) - Loke lounge

12:00 – 13:00

Afternoon session

Key-note speech II - Room: Loke

13:00 – 13:50

Key-note speaker: Mårten Palme, Professor of Social Insurance, Department of Economics, Stockholm University

Title: "How I Addressed Four Fundamental Research Questions in the Social Sciences using Swedish Register Data".

Coffee break with poster vernissage (poster list at end of program) - Loke lounge

13:50 – 14:10

Parallel oral sessions (4-6)

14:10 – 15:30

Oral Session 4 - Room: Loke

Theme: LONG-TERM, LIFE-COURSE AND INTERGENERATIONAL STUDIES II

Moderator: Maria Brandén

Oral Session 4.1

14:10 – 14:30

Title: The recent trend in educational mismatch among second generation immigrants in Sweden: A register-based study

Speaker: Wooseong Kim, Department of Sociology, Demography Unit, Stockholm University

Oral Session 4.2

14:30 – 14:50

Title: How Does University Education Pay Off? A Longitudinal Analysis of Life-Cycle Earnings

Speaker: Haodong Qi, Department of Global Political Studies, Malmö University

Oral Session 4.3

14:50 – 15:10

Title: Socioeconomic Consequences in Adult Life after Childhood Cancer in Scandinavia (SALiCCS)- a Nordic register-based cohort and collaborative research programme

Speaker: Hanna Mogensen, Unit of Epidemiology, Institute of Environmental Medicine, Karolinska Institutet

Oral Session 4.4

15:10 – 15:30

Title: Disentangling the multigenerational transmissions of socioeconomic disadvantages and mental health problems: Findings from the Stockholm Birth Cohort Multigenerational Study

Speaker: Baojing Li, Department of Public Health Sciences, Stockholm University

Oral Session 5 - Room: Tor 1

Theme: USE OF REGISTERS IN RISK FACTOR RESEARCH

Moderator: Helena Backman

Oral Session 5.1

14:10 – 14:30

Title: Age at menarche and menopause and new-onset asthma in women

Speaker: Guo-Qiang Zhang, Krefting Research Centre, Sahlgrenska Academy, University of Gothenburg

Oral Session 5.2

14:30 – 14:50

Title: Overweight and Obesity and Venous Thromboembolism in Young Women

Speaker: Annika Rosengren, Department of Molecular and Clinical Medicine, University of Gothenburg

Oral Session 5.3

14:50 – 15:10

Title: The relationship between congenital heart disease and cancer in Swedish children: A population-based cohort study

Speaker: Christina-Evmorfia Kampitsi, Unit of Epidemiology, Institute of Environmental Medicine, Karolinska Institutet

Oral Session 5.4

15:10 – 15:30

Title: Surgeon proficiency gain and survival after gastrectomy for gastric adenocarcinoma: a population-based cohort study

Speaker: Johannes Asplund, Department of Molecular Medicine and Surgery, Karolinska Institutet

Oral Session 6 - Room: Tor 2

Theme: NOVEL USE OF REGISTER DATA II

Moderator: Anita Berglund

Oral Session 6.1

14:10 – 14:30

Title: Churches of two ethnicities – A register-based study on ethnolinguistic differences of religious affiliation in Finland

Speaker: Weiqian Xia, Department of Sociology, Stockholm University

Oral Session 6.2

14:30 – 14:50

Title: Can upper secondary education make a difference for political participation? The effect of general or vocational education on voter turnout

Speaker: Marcus Österman, Department of Government, Uppsala University

Oral Session 6.3

14:50 – 15:10

Title: Do football players have an increased risk of neurodegenerative disease and psychiatric disorders? A nationwide register-based cohort study

Speaker: Manzur Kader, Division of Clinical Epidemiology, Department of Medicine, Solna, Karolinska Institutet

Oral Session 6.4

15:10 – 15:30

Title: The returns to returning – Economic returns to remigration to Finland

Speaker: Weiqian Xia, Department of Sociology, Stockholm University

Panel discussion with closing remarks - Room: Loke

15:40 – 16:30

Topic: THE FUTURE OF REGISTER-BASED RESEARCH

Moderators: SWE-REG node leaders - Anita Berglund and Sven Oskarsson

Panel: SWE-REG node leaders - Helena Backman, Jonas Björk, Maria Brandén, Jesper Lagergren, Karin Modig and Annika Rosengren

Poster sessions

Poster 1

Title: The Nordic Helicobacter Pylori Eradication Project (NordHePEP): A Nordic Registry-Based Cohort

Speaker: Anna-Klara Pettersson, Department of Molecular Medicine and Surgery, Karolinska Institutet

Poster 2

Title: A multi-dimensional comorbidity score based on hospital discharge diagnoses

Speaker: Marcus Westerberg, Institutionen för kirurgiska vetenskaper, Uppsala universitet

Poster 3

Title: Characteristics, prescribed drug and care transitions of centenarian population in Sweden: a national register-based cohort study.

Speaker: Shunsuke Murata, Institute of Environmental Medicine, Karolinska Institutet

Poster 4

Title: Generalizing the effects of a randomized controlled trial to its target population: an example using the TASTE trial

Speaker: Conor MacDonald, Unit of Epidemiology, Karolinska Institutet

Poster 5

Title: Female unemployment and child poverty among immigrants in Denmark

Speaker: Anna Tegunimataka, Economic History/ Centre for Economic Demography, Lunds Universitet

Poster 6

Title: Are couples still bargaining over the unpaid work?

Speaker: Flore Debruyne, Department of Sociology, Stockholm University

Poster 7

Title: Mapping Swedish register data to a common data model: experiences from the European Health Data and Evidence Network

Speaker: Máté Szilcz, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet

Poster 8

Title: Exogenous sex steroid hormones and new-onset asthma in women

Speaker: Guo-Qiang Zhang, Krefting Research Centre, University of Gothenburg

Poster 9

Title: Machine learning to predict major adverse cardiac events using only pre-hospital data

Speaker: Axel Nyström, Department of laboratory medicine, Lund University

Poster 10

Title: Multi-modal self-supervised learning on EHR trajectories for predicting early death

Speaker: Ali Amirahmadi, School of Information Technology, Halmstad University

Poster 11

Title: Physical activity before and after a cancer diagnosis in relation to total cancer mortality and cancer-specific mortality among individuals with diabetes

Speaker: Stanley Teleka, Department of Surgical Sciences, Medical Epidemiology, Uppsala University