

Program 3rd SWECOV Workshop

September 1-2, Vår Gård Saltsjöbaden, Stockholm

Day 1, September 1

11:30 – 12:45 **Lunch, Vår Gård Saltsjöbaden**

12:45 – 13:00 **Welcome and updates from the SWECOV project**

Surveillance approaches

13:00 – 13:25 Georgios Varotsis
Short-term predictions of county-level COVID-19 hospitalisation demand in Sweden (2020-2022) using 1177 telenursing data

13:25 – 13:50 Atiye Sadat Hashemi
A Task-Specific Modeling and Evaluation of Multivariate Time Series Anomaly Detection for Early Disease Outbreak Detection

13:50 – 14:15 Shomaila Mazhar
Integrating Individual-level Syndromic Surveillance Data in Infectious Disease Modelling: A Framework for Identifying Undetected Infections

14:15 – 14:40 **Fika + Group photo**

Mental health effects

14:50 – 15:15 Shiyu Li
Risk of mental illness among patients with severe COVID-19 infection and their relatives

15:15 – 15:40 Olof M Östergren
Did the pandemic exacerbate the mental health crisis in young persons? New cases of use of mental health care services by boys and girls in Sweden 2015-2023

Key notes

15:40 – 16:20 Germans Savcisis
From life-courses to representations: Foundation models for registry data

16:20 – 17:00 Mattias Ohlsson
AI foundation models for register data

18:30 – 19:00 **Pre-Drink**

19:00 - **Dinner**

Day 2, September 2

Vaccination

- 9:00 – 9:25 Bartholomew Konechni
Neighborhood Civic Capital and the Adoption of New Health Behaviors: Evidence from the Swedish Vaccine Rollout
- 9:25 – 9:50 Svenja Miltner
The Costs of Narratives in Public Health: How Inaccurate Information Shapes Vaccine Hesitancy
- 9:50 – 10:15 Jonatan Riberth
Adverse Health Events and Vaccine Hesitancy
- 10:15 – 10:40 Emily Maresch
The Impact of COVID-19 Vaccinations and COVID-19 infections on Immune-Mediated Inflammatory Diseases in Sweden
- 10:40 – 11:10 **Fika**

Public health

- 11:10 – 11:35 Moritz Oberndorfer
A register-based comparative study of the social determinants of birthweight before and during the COVID-19 pandemic
- 11:35 – 12:00 Wilhelm Linder
Variation in emergency department visits among residents of Swedish nursing homes between 2019 – 2020, a population-based cohort study

Panel discussion

- 12:00 – 12:30 Panel discussion (Germans Savcisens and Mattias Ohlsson)
AI applications in future pandemics
- 12:45 – **Lunch, Vår Gård Saltsjöbaden**