

# Program 3<sup>rd</sup> 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 Savcisen

**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 Savcisen and Mattias Ohlsson)  
**AI applications in future pandemics**
- 12:45 – **Lunch, Vår Gård Saltsjöbaden**