Uniting

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Research

across

Disciplines

Population

Zurich Population Research Conference

January 20-21, 2025

Conference website

For more information, please visit our conference website by scanning the QR code below.

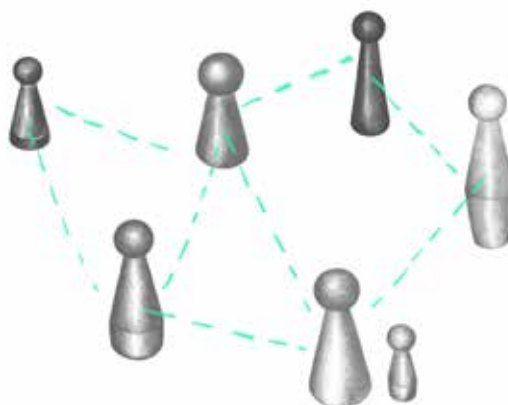# Zurich Population Research Conference

January 20-21, 2025

Uniting Population Research Across Disciplines: Novel Approaches, Innovative Strategies, and Mutual Learning

The scientific program of the Zurich Population Research Conference 2025 features both topic-focused and methods-oriented sessions. This dual-track approach offers an ideal platform for showcasing interdisciplinary population research.

The **topics track** addresses critical issues such as mental health, migration and mobility, environmental impacts, population disparities, and lifecourse research. It also offers insights from national datasets and studies on vulnerable and diverse populations.

The **methods track** highlights innovative research approaches, including participatory and qualitative methods, cohort and longitudinal studies, and advanced modeling techniques. This combination of thematic and methodological sessions strengthens our understanding of population dynamics and fosters interdisciplinary collaboration. We welcome you to explore and advance the future of population research.

Monday, 20. January 2025

Day 1

09:00-09:30	Arrival of participants, registration, coffee	Room: Lichthof

09:30-10:30   **Welcome Session**   Room: Aula KOL-G-201

Welcome address by Prof Elisabeth Stark, Vice-President Research UZH
Welcome speech by PRC Co-Director Milo Puhan

Keynote speeches:
Melinda Mills (Leverhulme Centre for Demographic Science & Nuffield College, University of Oxford)
Interdisciplinary insights into fertility: Social, genetic and medical factors

Emilio Zagheni (Max Planck Institute for Demographic Research)
Opportunities and limits of using machine learning for population research

10:30-11:00	Coffee break	Room: Lichthof

11:00-12:30

Session 1a Room: KOL-F-123	**Session 1b** Room: KOL-G-212
## Population Insights from National Level Datasets	## Vulnerable Groups and Diverse Populations
Chair: Karsten Donnay	Chair: Jan Fehr
Nazihah Noor (University of Fribourg) **Differential effects of adolescent health behaviors on adult cardiometabolic conditions by parental financial situation: A population-based cohort study**	Sandra Gilgen (University of Zurich) **Which norms determine acceptance for use of assisted reproduction technologies for heterosexual couples?**
Anja Lehmann (University of Zurich) **Longterm development in job crafting in employees with and without mental health issues during COVID-19: The role of job resources**	Carlos Gómez González (University of Zurich) **Can celebrities reduce ethnic discrimination? A field experiment in a social setting**
Ágnes Szabó-Morvai (KRTK KTI) **Precautionary Fertility: Conceptions, Births, and Abortions around Employment Shocks**	Cecilia Potente (Erasmus University Rotterdam) **Partner's Education and Smoking: The Role of Selection**
Yun Zhang (Sun Yatsen University) **Polygenic risk for number of births is moderated by education achievemen**	Babette L. Winter (University of Zurich) **Population research in vulnerable populations: How can we reach those at high-risk of stigmatized health outcomes?**
Martin Tušl (University of Zurich) **Longitudinal Dynamics of Occupational Wellbeing: Exploring Associations with Socioeconomic Factors in Swiss and German Employees**	Dawid Gondek (FORS) **The crisis in youth wellbeing – is it due to the COVID-19 pandemic?**
	Denis Ribeaud (University of Zurich) **Trends in Sexual Assault in Switzerland: Findings from the Zurich and Vaud Youth Surveys 1999–2022**

12:30-14:00	Lunch	Room: Lichthof

the topics track
the methods track

14:00-15:30	**Session 2a** Room: KOL-F-123	**Session 2b** Room: KOL-G-212

Session 2a   Room: KOL-F-123

Advanced Modelling Methods

Chair: Laura Bechtiger

Phung Lang (University of Zurich)
A Nationwide Cross-Sectional Study on HPV Vaccination in Adults in Switzerland: An Analysis of Age, Sex and Regional Differences in Vaccine Coverage and Factors Affecting Vaccine Uptake

Gert Stulp (University of Groningen) **How predictable is having a child in the next three years? Results of the first data challenge in population research**

Nathalie Schweyckart (University of Zurich, Balgrist University Hospital) **Predicting patient outcomes and risk for revision surgery after hip and knee replacement surgery: Comparison of modelling approaches using the Swiss National Joint Registry (SIRIS)**

Aurélien Sallin (SWICA)
Expanding Interrupted Time-Series methodologies for evaluation of population-level interventions

Valentin Jaki Waibl (Swiss TPH)
Monitoring objective and selfreported sleep in 150 Swiss adolescents for one week: HERMES cohort study

David Bürgin (University of Zurich)
Longitudinal natural language processing analysis of major life events from adolescence to young adulthood in a large urban cohort study

Session 2b   Room: KOL-G-212

Innovative Research Methodologies

Chair: Lucas Leemann

Natalie von Goetz (Federal Office of Public Health)
Human Biomonitoring in SHeS-pilot: Study design and findings

Fynn Bachmann (University of Zurich)
Adaptive Questionnaires in Political Surveys

Saurabh Singh (International Institute for Population Sciences)
Addressing Sensitive Questions Response in Large-Scale Survey of India: Impact of Fieldworker and Social Desirability Bias

Miloš Milovanović (Linköping University)
Application of Machine Learning Techniques to Predict Turnout Rates in Sweden from Demographic Data

Michael Ochsner (FORS)
Estimating Population Parameters in Changing Societies. Offering a Tool to the Interdisciplinary Research Community by Keeping Representation Bias Low in General Population Surveys

Anja Frei (University of Zurich)
The validation of real-world digital mobility outcomes

15:30-16:00	Coffee break	Room: Lichthof

16:00-17:30	**Plenary Session**	Room: Aula KOL-G-201

The Power of Interdisciplinary Population Data

Chair: PRC Co-Director Lilly Shanahan

Marieke Voorpostel (FORS)
The Swiss Household Panel: the potential of a long running household panel for population research

Maria Carlander and Aurélien Sallin (SWICA)
The potential of using health insurance claims data for population research

Tabea Hässler (University of Zurich)
Swiss LGBTIQ+ Panel – Assessing the Impact of Legal and Social Changes on LGBTIQ+ Individuals

Michael von Rhein (University Children's Hospital Zürich)
Let's answer this question together: Interdisciplinary approaches in pediatric health care research

18:30	Dinner at Zunfthaus zur Zimmerleuten (Registration required)

Tuesday, 21. January 2025

Day 2

08:30-09:00	Coffee Room: Lichthof

09:00-10:30

Session 3a
Room: KOL-G-212

Migration and Population Mobility

Chair: Seraina Rüegger

Dorothee Beckendorff (EPFL)
Human development, basic needs and city out-migration: Subnational perspectives on the mobility transition

Dina Maskileyson (University of Luxembourg)
A Systematic Examination of the Morbidity Profiles of Immigrants and Natives in Norway

Andreas Genoni (Federal Institute for Population Research Germany)
Should I stay or should I go? Unmet migration expectations and outmigration of skilled recent immigrants to Switzerland

Daniela Foresta (Sapienza, University of Rome)
Pre- and post-arrival effects on state and development of Refugees' mental health status in Germany

Ronny Westerman (Federal Institute for Population Research) **How to capture chronic conditions and multimorbidity within migrant subgroups in the German National Cohort (NAKO): Potentials and challenges**

Session 3b
Room: KOL-G-209

Participatory and Qualitative Research

Chair: Markus Wolf

Michael von Rhein (University Children's Hospital Zurich)
Swiss Outpatient Pediatric Research Network

Martin Röösli (swisstph) **5G Scientist Monitor App: A tool for data collection and risk communication using a citizen science approach**

Christina Haag (University of Zurich)
Utilizing text data as indicators of mental health in large cohort studies: Insights from the Swiss z-proso Study

Maria Rosa Mondardini (Citizen Science Zurich)
The Role of Citizen Science in Population Health Research

Nathalie Schweyckart (University of Zurich)
Development of an expert-informed Bayesian network model for predicting pain outcome after total knee replacement and addressing information needs of patients, surgeons and policymakers

Andreas Baumer (University of Zürich)
Talk2UZH ("Talk to us"): Collecting and Analyzing Spoken Answers at Scale in Population Research

10:30-11:00	Coffee break Room: Lichthof

11:00-12:30

Session 4a
Room: KOL-F-123

Lifecourse Research

Chair: Viktor von Wyl

Lukas Eggenberger (University Hospital of Psychiatry, Jacobs Center for Productive Youth Development)
Something is not nothing: Recreational substance use and cognitive functions in a large community sample of young adults with hair testing

Caroline Bähler (SWICA)
Temporal trends in routine developmental assessments and urgent care consultations in Swiss children and adolescents

Mathilde Le Vu (University of Zurich)
Neonatal health during the influenza pandemic of 1918–1920

Session 4b
Room: KOL-G-212

Research on Population Disparities

Chair: Milo Puhan

Katarina Matthes (University of Zurich)
Longterm Mortality Effects of the 1918/19 Pandemic Birth Cohort in Switzerland

Ruth Overmann (University of the Bundeswehr Munich)
Crisis concerns and childbearing intentions in Europe

Abhishek Anand (International Institute for Population Sciences)
Differential trends in the nucleation of households in India, 1998–2019

Session 4c
Room: KOL-G-209

Environmental Impact

Chair: Andrea Farnham

Marloes Eeftens (Swiss TPH)
Allergies unmasked: Pollen's systemic impact on health

Risto Conte Keivabu (Max Planck Institute for Demographic Research)
Environmental Disasters and Health at Birth: Evidence from Wildfires in Spain

11:00-12:30	**Session 4a** Room: KOL-F-123	**Session 4b** Room: KOL-G-212	**Session 4c** Room: KOL-G-209

Session 4a — Room: KOL-F-123

Shubhankar Sharma (University of Helsinki)
Gender and educational trends in lifetime risk, age at onset, expectancy, and survival with cardiovascular disease in Finland, 1996–2020

Ines Engler (University of Zurich)
Data Driven Classifications of Psychopathology: An Investigation of Internalizing Disorders in Childhood

Fabian Kratz (University of Munich)
Explaining Social Disparities by Emulating Interventions at Different Life Course Stages

Session 4b — Room: KOL-G-212

Jael Auf der Maur (University of Bern)
Borderline Personality Pathology in Young Men from the General Population: Prevalence, Longitudinal Course, and Behavioral Profiles

Tim Riswick (Radboud University)
First results of GREATLEAP: A COST-Action network for studying historical health inequalities in European populations

Sebastian Klüsener (Federal Institute for Population Research) **Assessing regional mortality disparities across intra- and international borders in Europe: An application of the Earth Mover's Distance**

Session 4c — Room: KOL-G-209

Julien Riou (Unisanté)
Biomonitoring in the Swiss Health Study pilot: Sources of PFAS exposure

Subhojit Shaw (International Institute for Population Sciences, Mumbai)
Ecosystem resilience mitigates temperature impacts on neonatal and infant mortality in India

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12:30-13:30   Lunch   Room: Lichthof

13:30-15:00

Session 5a — Room: KOL-G-212

Insights from Cohort and Longitudinal Research

Chair: Michael von Rhein

Laura Bechtiger (University of Zurich)
Physical youth-to-parent aggression in adolescence and young adulthood: A population-based cohort study

Carmen Borrat-Besson (FORS)
SHARE, the Survey of Health, Ageing and Retirement in Europe

Paola Daniore (University of Zurich)
Real-world patterns in remote longitudinal study participation: A study of the Swiss Multiple Sclerosis Registry

Fabian Winiger (University of Zurich)
Empirical foundations for the development of spiritual care. Results of a representative population survey in the Canton of Zurich

Saskia Maria De Gani (Careum Center for Health Literacy, Zurich and Careum School of Health, Kalaidos University of Applied Sciences, Zurich)
Latest data on vaccine literacy and vaccination behavior of the Swiss adult population

Nicole Bender (University of Zurich)
Impact of diet and physical activity on body composition in the general population of the greater Zurich area: cohort study challenges

Session 5b — Room: KOL-G-209

Mental Health

Chair: Anja Frei

Clarissa Janousch (University Hospital of Psychiatry Zurich, Jacobs Center for Productive Youth Development, UZH)
A Longitudinal Study of Adolescent Cannabis Use on Cognitive Performance in Young Adulthood: Associations and Trajectories

Odile Sauzet (Bielefeld University)
Interaction effects on health between perceived neighbourhood social cohesion and demographic changes: A longitudinal linked panel and regional data study

Jurgita Slekiene (University of Zurich)
A pilot study on the effects of resilience, physical activity, and gender on mental health among Malawian adolescents: Foundations for population-level public health interventions

Susanne Fischer (University of Zurich)
Cold Season Effects of Ambient Temperature and Psycholgocial Well-being and Health

Kateryna Golovina (University of Helsinki)
Mental disorders and becoming a parent: a nationwide register study of young people in Finland

Viktoriia Yasenok (University of Zurich)
Mental Health Assessment of the Population (MAP) research program in Ukraine (MAP-U) and in Zurich (MAP-Z): The prevalence estimates from the baseline assessment

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15:00-16:30   **Closing Session**   Room: Aula KOL-G-201

Announcement of **PRC best presentation prize**

Farewell speech by PRC Co-Directors Karsten Donnay and Seraina Rüegger

Followed by an aperitif and networking event in Lichthof

Conference venue

University of Zurich
City Campus
Rämistrasse 71
8001 Zürich

Conference venue
Rämistrasse 71