Maria Gueltzow

Email: gueltzow@demogr.mpg.de   **Institution**: Max Planck Institute for Demographic Research
Citizenship: German   **Website**: mariagltzw.github.io

Research interests

Mental health, inequalities and causal decomposition methods

Education

Max Planck Institute for Demographic Research &
Erasmus Medical Center Rotterdam   Rostock Germany
PhD student in Population Health   09 2020 – Present
Supervisors: Dr. Maarten J. Bijlsma (Co-promoter),
Prof. Mikko Myrskylä (Promoter),
Prof. Frank van Lenthe (Promoter).

NIHES - Erasmus University Rotterdam   Rotterdam, the Netherlands
(research) MSc in Health Sciences,
Specialization: Public Health Epidemiology   08 2018 – 08 2020

Karolinska Institutet   Stockholm, Sweden
Semester Abroad in
M.Sc. Health Economics, Policy and Management   01 2016 – 06 2016

University of Applied Sciences   Hamburg, Germany
BSc in Health Sciences (Gesundheitswissenschaften)   09 2013 – 09 2017

Awards

Best Poster Award (PHDS Graduate Workshop 2023)   2023
Best Presentation Award (Young Demographers Conference 2023)   2023
CCG Best Bachelor Thesis (University of Applied Sciences, Hamburg)   2018

Publications

The role of childhood obesity in socioeconomic inequalities in young adolescents' mental health: Differential exposure or differential impact?
Gueltzow M., Oude Groeniger J., Bijlsma M.J., Jansen P., Houweling T., van Lenthe F.J.
MPIDR Working paper. 2023

The role of labour market inequalities in explaining the gender gap in depression risk among older US adults
Gueltzow M., Bijlsma M.J., van Lenthe F.J., Myrskylä M.
Social Science and Medicine. 2023

The contribution of health behaviours to depression risk

across birth cohorts
Gueltzow M., Bijlsma M.J., van Lenthe F.J., Myrskylä M.
Epidemiology. 2022

Budget impact of antimicrobial wound dressings in the treatment of venous leg ulcers in the German outpatient care sector: a budget impact analysis
Gueltzow M., Khalilpour P., Kolbe K., Zoellner Y.
J Mark Access Health Policy, 2018.

Research experience | **Population Health Laboratory,**
Max Planck Institute for Demographic Research
Supervisors: Dr. Maarten J. Bijlsma, Prof. Mikko Myrskylä,
Prof. Frank van Lenthe.   September 2020 – Present
I am using causal decomposition methods to study mental health and its determinants. My focus is on explaining differences between subgroups, for example, birth cohorts, gender, and socioeconomic status.

Nutrition & Lifestyle Epidemiology
Erasmus Medical Centre Rotterdam
Supervisors: Dr. Kim VE Braun, Asst. Prof. Trudy Voortman.   January 2019 – September 2020
I studied the association of omega-3 polyunsaturated fatty acid intake with epigenetic markers, assisted data collection for the Rotterdam study, and worked on other projects regarding nutrient intake and health.

Health Sciences, University of Applied Sciences Hamburg
Supervisors: Prof. Joachim Westenhoefer, Ingrid Borgmeier.   January 2017 – July 2017
I identified benefits, resources, and needs for support for volunteers in refugee aid. Participants were recruited through social media.

Industry experience | **BSN medical,** Regulatory Intelligence   Hamburg, Germany
Intern   October 2017 - July 2018
Health economic evaluations for chronic wound treatment

Birds and Trees UG   Hamburg, Germany
Intern & working student   June 2016 - September 2017
eHealth, Funding proposals for a clinical trial.

Talks | **The contribution of health behaviours to depression risk**
across birth cohorts
Population Association of America Annual Meeting, New Orleans, USA, April 2023

European Population Conference, Groningen, Netherlands, June 2022

Young Demographers, Prague, Czech Republic, January 2022

Social Epidemiology Section Meeting, Erasmus Medical Center, Rotterdam, Netherlands, January 2022

World Congress on Epidemiology, Melbourne, Australia, September 2021

LabTalk, Max Planck Institute for Demographic Research, June 2021

The role of labor market inequalities in explaining the gender gap in depression risk
among older US adults

(upcoming) European Public Health Conference, Dublin, Ireland, November 2023

Conference of the International Society for Clinical Biostatistics, Milan, Italy, August 2023

Population Association of America Annual Meeting, New Orleans, USA, April 2023

Young Demographers, Prague, Czech Republic, January 2023

LabTalk, Max Planck Institute for Demographic Research, January 2023

The role of childhood obesity in socioeconomic inequalities in young adolescents' mental health

WEON, Rotterdam, Netherlands, June 2023

Genetic susceptibility to depression and the role of partnership status

MaxHel Center Opening, Helsinki, Finland, October 2023

THL Sociogenomics Workshop, Helsinki, Finland, September 2023

Skills

Programming
Proficient in: R
Familiar with: Python, SPSS.

Languages
German (native), English (fluent), Dutch (basic)

Service and outreach

Teaching as part of PHDS Population Health Course (forthcoming)
November 2023

Reviewer for Social Science and Medicine   October 2023

Reviewer for Social Science and Medicine - Population Health   March 2023

Reviewer for International Journal of Epidemiology   June 2022

Science communication talk at Rostock Night of Open Science   May 2022

Science communication talk at Rostock Eleven (Workshop with journalists to improve science communication) June 2022

AISEC in cooperation with
CanKids...KidsCan New Delhi, India March 2017 – May 2017
Support of the Bone Marrow Transplantation & Osteosarcoma Project.