

Maria Gueltzow

Updated January 17, 2025

Email: GueltzowM@rki.de

Institution: Center for AI in Public Health, Robert Koch Institute

Website: mariagltzw.github.io

Research interests

Mental health, health inequalities, causal inference, climate change

Positions

Center for AI in Public Health Research, Robert Koch Institute Berlin, Germany

Postdoc in the Climate and Societal Analytics Group 10 2024 – present

PI: Dr. Christopher Irrgang

Education

Max Planck Institute for Demographic Research &

Erasmus Medical Center Rotterdam

Rostock, Germany

PhD student in Population Health

09 2020 – 09 2024

Supervisors: Dr. Maarten J. Bijlsma (Co-promoter),

Prof. Mikko Myrskylä (Promoter),

Prof. Frank van Lenthe (Promoter).

Defense date: December 11th 2024.

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

Genetic propensity to depression and the role of partnership status

Gueltzow M., Lahtinen H., Bijlsma M.J., Myrskylä M., Martikainen P.

Social Science and Medicine. 2024

Childhood obesity's influence on socioeconomic disparities in young adolescents' mental health

Gueltzow M., Oude Groeniger J., Bijlsma M.J., Jansen P., Houweling T., van Lenthe F.J.

Annals of Epidemiology. 2024

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 used causal decomposition methods to study mental health and its determinants. My focus was 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
Intern

Hamburg, Germany
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

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

European Population Conference, Edinburgh, UK, June 2024

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	November 2023
	Reviewer for Social Science and Medicine - Population Health	May & December 2024
	Reviewer for Mental Health and Physical Activity	December 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
	"EPItalk: Behind the paper" Podcast	June 2024
	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
	Internal PhD Representative	June 2021 - June 2022
	Co-Organizer Writing Group	since January 2022
	Co-Organizer PHDS Peer Review Workshop	since January 2022
	AISEC in cooperation with	
	CanKids...KidsCan New Delhi, India	March 2017 – May 2017
	Support of the Bone Marrow Transplantation & Osteosarcoma Project.	