

# Maria Gueltzow

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**Email:** gueltzow@demogr.mpg.de

**Citizenship:** German

**Institution:** Max Planck Institute for Demographic Research

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## Research interests

Mental health, health inequalities, causal inference, genetics

## 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).

expected defense date: July 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 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**

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 2024

**Reviewer for Mental Health and Physical Activity** December 2023

**Reviewer for Social Science and Medicine** October 2023

<b>Reviewer for Social Science and Medicine - Population Health</b>	March 2023
<b>Reviewer for International Journal of Epidemiology</b>	June 2022
<b>"EPItalk: Behind the paper" Podcast</b>	June 2024
<b>Science communication talk at Rostock Night of Open Science</b>	May 2022
<b>Science communication talk at Rostock Eleven (Workshop with journalists to improve science communication)</b>	June 2022
<b>Internal PhD Representative</b>	June 2021 - June 2022
<b>Co-Organizer Writing Group</b>	since January 2022
<b>Co-Organizer PHDS Peer Review Workshop</b>	since January 2022
<b>AISEC in cooperation with</b>	
<b>CanKids...KidsCan New Delhi, India</b>	March 2017 – May 2017
Support of the Bone Marrow Transplantation & Osteosarcoma Project.	