

Curriculum Vitae

◆ Jie Zhang PhD, MPH ◆

Contact Information

Affiliation: Steno Diabetes Center Aarhus
Address: Palle Juul-Jensens Boulevard 11, Indgang A ▪ DK-8200 Aarhus N
Telephone: (+45) 71887049
Email: jiezh@clin.au.dk

Education

2019-2023 PhD in Epidemiology, Aarhus University
2014-2016 Master of Public Health, Brown University
2008-2011 Master of Medicine, Fudan University
2003-2008 Bachelor of Medicine, Nanchang University

Academic work

2024-present Post-doctoral researcher, Steno Diabetes Center Aarhus (SDCA)
Utilized advanced statistical methods to identify distinct multimorbidity trajectories and their associated risk factors in the UK Biobank

2023-2024 Post-doctoral researcher, Department of Public Health, Aarhus University
Transgenerational family study (diet and genes across generations)

2022-2023 Research Assistant, Department of Public Health, Aarhus University
Employed trajectory models to examine the long-term dynamics of body mass index and influence on cardiometabolic risk factors over half a century

2019-2023 PhD, Department of Public Health, Aarhus University
Employed a life course framework to examine the influence of parental obesity on offspring obesity risk, using mixed-effect models and causal mediation

2021-2022 Visiting Researcher, MRC Integrative Epidemiology unit at University of Bristol
Utilized data from the Avon Longitudinal Study of Parents and Child (ALSPAC) to leverage rich longitudinal information spanning multiple generations

2019-2019 Visiting Researcher, Danish Cancer Society
Conducted extensive data cleaning and management for the Diet, Cancer and Health (DCH) study and DCH-Next Generation
Collaborated with interdisciplinary teams to maintain data standards and ensure data usability

2016-2019 Research Analyst, DeltaQuest, US
Played a key role in designing clinical studies and developing questionnaires
Conduct comprehensive data analyses and generated clinical reports
Contributed to manuscript preparation and dissemination of research findings

2015-2016 Research Analyst, Brown University, US
Longitudinal Data Handling and Analysis in Multi-Center Studies

2008-2011 Research Assistant, Fudan University (WHO collaboration lab)
Assisted in a study investigating the impact of environmental exposures on reproductive health outcomes

Skills

- Longitudinal studies, Mixed effect models, Latent class trajectory models, Causal Inference, Mediation analyses, Mendelian randomization
- Programming: Proficient in R and STATA. Trained in MLwin, SAS, MPLUS, and IRTPRO.

Supervision

Co-supervisor for 4 master students projects and thesis

Co-supervisor for 1 medical research year student and 2 research assistants

Teaching experience

2025 (April) Causal Mediation, International Diabetes Epidemiology Group

2024(May) Modern Mediation Analysis, DDEA-Funded Course

2023 (fall) R coding cafe, Aarhus University and SDCA

2021-2024 Masterclass of Public Health, Aarhus University

2021 Nutritional Epidemiology, Residential course on Sandbjerg Estate

Academic memberships

2019-current	Danish Epidemiological Society
2019-current	American Epidemiology Society
2020-current	Danish Diabetes and Endocrine Academy
2020-current	European Diabetes Epidemiology Group

Conference

- International Diabetes Epidemiology Group (2025, oral)
The role of Type 2 Diabetes in shaping multimorbidity progression: evidence from the UK Biobank cohort
- European Diabetes Epidemiology Group (Poster, 2024)
Multimorbidity trends across socioeconomic strata and the role of lifestyle choices in the UK Biobank cohort
- Cambridge Diabetes Seminar (Oral, 2024)
Multimorbidity trends in the UK Biobank
- European Diabetes Epidemiology Group (Poster, 2023)
Life-long body mass index trajectories and cardiometabolic biomarkers-The Danish Diet, Cancer, and Health-Next Generation Cohort
- Repro-Epi network (Oral, 2022)
Association between maternal-offspring body mass index: mediation role of age of weaning
- Danish Epidemiology Society (Poster, 2022)
Associations between parental BMI and offspring BMI trajectories-potential effect modification by grandparental socio-economic position
- Society of Epidemiology Research (Oral, 2022)
Associations between parental BMI and offspring BMI trajectories-potential effect modification by grandparental socio-economic position
- European Diabetes Epidemiology Group (Oral, 2022)
Exploring the influence of grandparental socio-economic status on the associations between parental and offspring BMI trajectories
- European Diabetes Epidemiology Group (Oral, 2021)
Body mass index in parents and their adult offspring: a systematic review and meta-analysis
- World Congress of Epidemiology (Poster, 2021)
Associations between self-reported or measured anthropometric variables and cardiometabolic biomarkers in a Danish Cohort

Grants

- University scholarship, Aarhus University (2019-2022)
- Research grant, Reinholdt W.Jorck og Hustrus Fond (2022)
- Travel grant, Department of Public Health, Aarhus University (2023)
- Travel grant, Department of Public Health, Aarhus University (2022)
- Travel grant, DCAcademy (2022)
- Co-developed successful research proposal for NICO (Neighborhood and Individual socioeconomic factors in childhood and adolescent Obesity) funded by NovoNordisk Project Grant (2024)

Certification

- SAS Certified Advanced Programmer (2018)
- SAS Certified Base Programmer (2016)
- Public Health Practitioners certificate (2011)

Bibliometric Summary

Total scientific output: 33 peer-reviewed publications (8 as first author), 3 under review (1 as first author)
Impact metrics: 774 citations
h-index: 14 (Google Scholar)
ORCID: 0000-0002-1985-5485.