

CHIARA CELINE BRÜCK

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EDUCATION

PhD Candidate

2019 – present

Erasmus MC, Erasmus Medical Center Rotterdam

Rotterdam, Netherlands

- Department of Public Health, Evaluation of Screening
- Promotor: Prof.dr. Harry de Koning
- Supervisor: Dr. Inge de Kok
- Research Topic: The development of a dementia microsimulation model

Visiting Scholar

2022

Harvard T.H. Chan School of Public Health

Boston, MA, United States

- Center for Health Decision Science
- Supervisor: Dr. Ankur Pandya

MSc Health Sciences

2020 – present

Netherlands Institute for Health Sciences (NIHES)

Rotterdam, Netherlands

- Specialization: Clinical Epidemiology

MSc Econometrics and Operations Research

2018 – 2019

Maastricht University, School of Business and Economics

Maastricht, Netherlands

- Thesis: Amenity-based Poverty Measurement in Egypt

BSc Econometrics and Operations Research

2015 – 2018

Maastricht University, School of Business and Economics

Maastricht, Netherlands

- Thesis: Personality Profiling with Text Classification Algorithms
- Exchange Semester at Bocconi University, Milan, Italy

PUBLICATIONS

Brück, C.C., Wolters, F.J., Ikram, M.A., de Kok, I.M.C.M. (2022). Projected prevalence and incidence of dementia accounting for secular trends and birth cohort effects: a population-based microsimulation study. *European Journal of Epidemiology*, 37, 807–814. <https://doi.org/10.1007/s10654-022-00878-1>

Handels, R., [...], **Brück, C. C.**, et al. (2022). Cost-effectiveness Models for Alzheimer's disease and related dementias: IPECAD Modelling Workshop Cross Comparison Challenge. *Alzheimer's & Dementia* <https://doi.org/10.1002/alz.12811>

Brück, C.C. (2022). Letter to the editor regarding “Fluoxetine May Enhance VEGF, BDNF and Cognition in Patients with Vascular Cognitive Impairment No Dementia: An Open-Label Randomized Clinical Study”. *Neuropsychiatric Disease and Treatment*, 18, 463-464. <https://doi.org/10.2147/NDT.S361484>

Brück, C.C., Wolters, F.J., Ikram, M.A., de Kok, I.M.C.M. (2021). Heterogeneity in Reports of Dementia Disease Duration and Severity: A Review of the Literature. *Journal of Alzheimer's disease: JAD*, 84(4), 1515–1522. <https://doi.org/10.3233/JAD-210544>

MANUSCRIPTS UNDER REVIEW

Brück, C.C., Wolters, F.J., Ikram, M.A., de Kok, I.M.C.M. Projections of costs and quality adjusted life years lost due to dementia from 2020-2050: a population-based microsimulation study. *Alzheimer's & Dementia*. Under Review.

CURRENT PROJECTS

The Prognosis of Dementia: A Systematic Review and Meta-Analysis *with Dr. Frank Wolters, Sanne Mooldijk and Lieke Kuiper*

The impact of modifiable risk factor reduction on future dementia incidence and prevalence: a modeling study *with Dr. Inge de Kok, Prof.dr. Arfan Ikram and Dr. Frank Wolters*

Dementia Risk Factors and Primary Prevention Intervention Strategies *with Dr. Ankur Pandya and Dr. Inge de Kok*

GRANTS

2022	InterAct Beurs for research visit, Alzheimer Nederland, €8,400
2022	Travel grant for international conference, Alzheimer Nederland, €750

TEACHING

2022	Grading Assistant, RDS 280: Decision Analysis for Health and Medical Practices, taught by Prof. Ankur Pandya, Harvard T.H.Chan School of Public Health
2021 - 2022	Supervision Community Project, third year Medicine students, Erasmus MC
2021	Grading Assistant, NIHES HS05: Planning and evaluation of screening, taught by Prof. Iris Lansdorp-Vogelaar, Erasmus MC

TECHNICAL SKILLS & LANGUAGES

Software	Python, R, STATA
Tools	GitLab, LaTeX, Microsoft Office
Languages	German (native), English (fluent, Cambridge C1, 2014), Italian (conversational, CILS B2, 2017) Dutch (conversational, Erasmus University B1.2, 2020)

PRESENTATIONS

12/2022	Center for Health Decision Science Meeting, Harvard T.H. Chan School of Public Health (<i>oral</i>)
10/2022	Society for Medical Decision Making Conference (SMDM), Seattle, WA, USA (<i>poster</i>)
09/2022	Clinical Epidemiology Meeting, Harvard T.H. Chan School of Public Health (<i>oral</i>)
08/2022	Stroke & CVD Meeting, Harvard T.H. Chan School of Public Health (<i>oral</i>)
08/2022	Alzheimer's Association International Conference (AAIC), San Diego, CA, USA (<i>oral</i>)
12/2021	Research Seminar, Department of Public Health, Erasmus MC (<i>oral</i>)
12/2021	Alzheimer Europe Conference (AEC), online (<i>oral</i>)
09/2021	IPECAD Model Comparison Workshop, online (<i>oral</i>)
07/2021	Alzheimer's Association International Conference (AAIC), online (<i>oral</i>)
05/2021	Research Seminar, Alzheimer Center, Erasmus MC (<i>oral</i>)
02/2021	Club Meth, Department of Public Health, Erasmus MC (<i>oral</i>)
10/2020	Alzheimer Europe Conference (AEC), online (<i>poster</i>)
09/2020	IPECAD Model Comparison Workshop, online (<i>oral</i>)
07/2020	Alzheimer's Association International Conference (AAIC), online (<i>poster</i>)

REVIEWER EXPERIENCE

2022 European Journal of Epidemiology

EXTRACURRICULAR

2021 - present Programming group for maintenance and improvement of MISCAN modeling framework
2021 - present Academic Center of Excellence (ACE) – Alzheimer’s working group
2021 - present Sustainability Committee “Green Team”, Department of Public Health
2021 - present ISTAART member, Alzheimer’s Association
Professional Interest Areas (PIAs): Health Policy, Design and Data Analytics, Reserve, Resilience, and Protective Factors, Nonpharmacological Interventions, PIA to Elevate Early Career Researchers (PEERs), Alliance of Women Alzheimer’s Researchers (AWARE)
2020 - 2022 Junior Representative Committee, Department of Public Health
Chair and Introduction Role