

Dr. Maja E. Marcus

Professional Profile

I am an economist with a focus on global health. My research agenda is to build an evidence basis on improving global access to care for healthy aging. Specifically, I examine how health systems and individuals respond to population aging, the rise of noncommunicable diseases as the leading cause of death globally, and HIV in old age. In this, my academic profile comprises i) high-impact, large-scale, interdisciplinary projects – providing evidence on the global state of health care and aging; and ii) evidence-based impact evaluations of health interventions – using experimental and quasi-experimental methods.

Academic Positions & Collaborations

2022 – Present	Postdoctoral Research Fellow Brigham and Women’s Hospital, Harvard Medical School, Harvard Center for Population and Development Studies
2017 – Present	Leadership Member and Researcher <i>“Global Health and Population Project on Access to Care for Cardiometabolic Diseases in Low- and Middle-Income Countries (HPACC)”</i>
2017 – 2022	Research Fellow and PhD Candidate Chair of Development Economics & Centre for Modern Indian Studies, University of Goettingen
2020	Visiting Research Scholar Harvard Center for Population and Development Studies

Education

2017 – 2022	Dr. rer. pol. (<i>summa cum laude</i>) <i>“Access to Care for Cardiometabolic Diseases in Low- and Middle-Income Countries”</i> Prof. S. Vollmer, Chair of Development Economics, University of Goettingen
2014 – 2017	M.A. Development Economics University of Goettingen, Germany
2011 – 2014	B.Sc. Economics University of Bonn, Germany

Lead Author Publications

* Equal contribution / °Joint first authorship publications

1. Marcus ME[°], Mahlalela N[°], Drame ND, Rohr JK, Vollmer S, Tollman S, Berkman L, Kahn K, Gómez-Olivé FX, Manne-Goehler J, Bärnighausen T (accepted): [Home-based HIV testing strategies for middle-aged and older adults in rural South Africa: a randomized controlled trial.](#) **AIDS**
2. *Marcus ME, Reuter A, Rogge L, Vollmer S (2023): [The Effect of SMS Reminders on Health Screening Uptake: A Randomized Experiment in Indonesia.](#) **CRC Discussion Paper** (AEA Registry)
3. Marcus ME, Manne-Goehler J, Theilmann M, Farzadfar F, Moghaddam SS, Keykhaei M, Hajebi A, Tschida S, Lemp JM, Aryal KK, Dunn M, Househanou C, Silver B, Rohloff P, Atun R, Bärnighausen TW, Geldsetzer P, Ramirez-Zea M, Chopra V, Heisler M, Davies JI, Huffman MD, Vollmer S, Flood D (2022): [Use of Statins for the prevention of cardiovascular disease in 41 low-income and middle-income countries: a cross-sectional study of nationally representative, individual-level data.](#) **The Lancet Global Health**
4. Marcus ME, Ebert C, Geldsetzer P, Theilmann M, Bicaba BW, Andall-Brereton G, Bovet P, Farzadfar F, Gurung MS, Houehanou C, Malekpour MR, Martins JS, Moghaddam SS, Mohammadi E, Norov B, Quesnel-Crooks S, Wong-McClure R, Davies JI, Hlatky MA, Atun R, Bärnighausen TW, Jaacks LM, Manne-Goehler J, Vollmer S (2021): [Unmet Need for Hypercholesterolemia Care in 35 Low- and Middle-Income Countries: A Cross-sectional Study of Nationally-representative Surveys.](#) **PLOS Medicine**
5. * Chavarria E, Diba F, Marcus ME, Marthoenis, Reuter A, Rogge L, Vollmer S (2021): [Knowing versus Doing: Protective Health Behavior against COVID-19 in Indonesia.](#) **Journal of Development Studies**

Further Peer-Reviewed Publications

6. Rahim NE, Flood D, **Marcus ME**, Theilmann M, Agoudavi K, Aryal K, Aung TN, Bahendeka S, Bicaba B, Bovet P, Diallo AO, Farzadfar F, Gathecha G, Guwatudde D, Houehanou C, Houinato D, Hwalla N, Jorgensen J, Kagaruki G, Karki K, Larijani B, Mayige M, McClure RW, Saeedi Moghaddam S, Mwallim O, Mwangi KJ, Rahimi S, Sarkar S, Sibai AM, Sturua L, Tsabedze L, Wesseh C, Geldsetzer P, Atun R, Vollmer S, Bärnighausen T, Davies J, Ali MK, Seiglie JA, Manne-Goehler J (accepted): [Diabetes prevention in 44 low- and middle-income countries: a cross-sectional analysis of nationally representative, individual-level data in 145,739 adults.](#) **Lancet Global Health**
7. Yoo SGK, Chung GS, Bahendeka SK, Sibai AM, Damasceno A, Farzadfar F, Rohloff P, Houehanou C, Norov B, Karki KB, Azangou-Khyavy M, **Marcus ME**, Aryal KK, Brant LCC, Theilmann M, Cifkova R, Lunet N, Gurung MS, Mwangi JK, Martins J, Haghshenas R, Sturua L, Vollmer S, Barnighausen T, Atun R, Sussman JB, Singh K, Saeedi Moghaddam S, Guwatudde D, Geldsetzer P, Manne-Goehler J, Huffman MD, Davies JI, Flood D (2023): [Aspirin for Secondary Prevention of Cardiovascular Disease in 51 Low-, Middle-, and High-Income Countries.](#) **JAMA**
8. Ochmann S, von Polenz I, **Marcus ME**, Theilmann M, Flood D, Agoudavi K, Aryal KK, Bahendeka S, Bicaba B, Bovet P, Campos Caldeira Brant L, Carvalho Malta D, Damasceno A, Farzadfar F, Gathecha G, Ghanbari A, Gurung M, Guwatudde D, Houehanou C, Houinato D, Hwalla N, Jorgensen JA, Karki KB, Lunet N, Martins J, Mayige M, Moghaddam SS, Mwalim O, Mwangi KJ, Norov B, Quesnel-Crooks S, Rezaei N, Sibai AM, Sturua L, Tsabedze L, Wong-McClure R, Davies J, Geldsetzer P, Bärnighausen T, Atun R, Manne-Goehler J, Vollmer S (2023): [Diagnostic testing for hypertension, diabetes, and hypercholesterolaemia in low-income and middle-income countries: a cross-sectional study of data for 994 185 individuals from 57 nationally representative surveys.](#) **The Lancet Global Health**
9. Gregg, Edward W., James Buckley, Mohammed K. Ali, Justine Davies, David Flood, Roopa Mehta, Ben Griffiths, ..., **Marcus ME**, et al. (2023): [Improving health outcomes of people with diabetes: target setting for the WHO Global Diabetes Compact.](#) **The Lancet**
10. Zhu JZ, Manne-Goehler J, Agarwal A, Bahendeka SK, Damasceno A, **Marcus ME**, Moghaddam SS, Vollmer S, Huffman MD, Flood D (2023): [Medication Use for Cardiovascular Disease Prevention in 40 Low- and Middle-Income Countries.](#) **Journal of the American College of Cardiology**
11. Theilmann M, Lemp JM, Winkler V, Manne-Goehler J, **Marcus ME**, Probst C, Lopez-Arboleda WA, Ebert C, Bommer C, Mathur M, Andall-Brereton G, Bahendeka SK, Bovet P, Farzadfar F, Ghasemi E, Mayige MT, Saeedi Moghaddam S, Mwangi KJ, Naderimaghani S, Sturua L, Atun R, Davies JI, Bärnighausen T, Vollmer S, Geldsetzer P (2022): [Patterns of tobacco use in low and middle income countries by tobacco product and sociodemographic characteristics: nationally representative survey data from 82 countries.](#) **BMJ**

Further Peer-Reviewed Publications ctd.

12. Kirschbaum TK, Sudharsanan N, Manne-Goehler J, De Neve JW, Lemp JM, Theilmann M, **Marcus ME**, Ebert C, Chen S, Yoosefi M, Sibai AM, Rouhifard M, Saeedi Moghaddam S, Mayige MT, Martins JS, Lunet N, Jorgensen JMA, Houehanou C, Geldsetzer P (2022): [The Association of Socioeconomic Status With Hypertension in 76 Low- and Middle-Income Countries](#). **Journal of the American College of Cardiology**
13. Xu Y, Geldsetzer P, Manne-Goehler J, Theilmann M, **Marcus ME**, Zhumadilov Z, Quesnel-Crooks S, Mwalim O, Saeedi Moghaddam S, Koolaji S, Karki K, Farzadfar F, Ebrahimi N, Damasceno A, Aryal K, Agoudavi K, Atun R, Bärnighausen T, Davies J, Jaacks L, Vollmer S, Probst C (2022): [The Socio-economic Gradient of Alcohol Use: An Analysis of Nationally Representative Survey Data from 55 Low- and Middle-income Countries](#). **The Lancet Global Health**
14. Flood D, Geldsetzer P, Agoudavi K, Aryal KK, Campos Caldeira Brant L, Brian G, Dorobantu M, Farzadfar F, Fronea O, Singh Gurung M, Guwatudde D, Houehanou C, Jorgensen J, Kondal D, Labadarios D, **Marcus ME**, Mayige MT, Moghimi M, Norov B, Perman G, Quesnel-Crooks S, Rashidi MM, Moghaddam SS, Seiglie JA, Bahendeka S, Steinbrook E, Theilmann M, Ware LJ, Vollmer S, Atun R, Davies J, Ali MK, Rohloff P, Manne-Goehler J (2022): [Rural-Urban Differences in Diabetes Care and Control in 42 Low- and Middle-Income Countries: A Cross-Sectional Study of Nationally Representative, Individual-Level Data](#). **Diabetes Care**
15. Manne-Goehler J, Theilmann M, Flood D, **Marcus ME**, Andall-Brereton G, Agoudavi K, Lopez W, Aryal K, Bicaba B, Bovet P, Brant LC, Brian G, Chamberlin G, Chen G, Damasceno A, Dorobantu M, Dunn M, Ebert C, Farzadfar F, Gurung M, Guwatudde D, Houehanou C, Houinato D, Hwalla N, Jørgensen J, Karki K, Labadarios D, Lunet N, Malta D, Martins J, Mayige M, Wong R, Saeedi Moghaddam S, Mwangi K, Mwalim O, Norov B, Quesnel-Crooks S, Rhode S, Seiglie J, Sibai A, Bahendeka S, Sturua L, Stokes A, Supiyev A, Tsabedze L, Zhumadilov Z, Jaacks L, Atun R, Davies J, Geldsetzer P, Vollmer S, Bärnighausen T (2022): [Data Resource Profile: The Global Health and Population Project on Access to Care for Cardiometabolic diseases \(HPACC\)](#). **International Journal of Epidemiology**
16. van Empel E, De Vlieg RA, Harling G, **Marcus ME**, Kahn K, Bärnighausen TW, Montana L, Choko AT, Manne-Goehler J (2021): [Reaching for the "first 95": a cross-country analysis of HIV self-testing in 177,572 people in nine countries in sub-Saharan Africa](#). **AIDS**
17. Basu S, Flood D, Geldsetzer P, Theilmann M, **Marcus ME**, Ebert C, Mayige M, Wong-McClure R, Farzadfar F, Moghaddam SS, Agoudavi K, Norov B, Houehanou C, Andall-Brereton G, Gurung M, Brian G, Bovet P, Martins J, Atun R, Bärnighausen T, Vollmer S, Manne-Goehler J, Davies J (2021): [Estimated impact of increased diagnosis, treatment, and control of diabetes mellitus among LMICs: A microsimulation model](#). **The Lancet Global Health**
18. Basu S, Yudkin JS, Mezhrhid J, Flood D, Lipska K, Beran D, Brown C, Domainico P, Sibai A, Houehanou C, Labadarios D, Farzadfar F, Seiglie J, Aryal K, **Marcus ME**, Mayige M, Theilmann M, Geldsetzer P, Moghaddam SS, Atun R, Bärnighausen T, Vollmer S, Manne-Goehler J, Davies J (2021): [Expanding access to newer medicines for people with type 2 diabetes mellitus in low- and middle-income countries: a microsimulation and price target analysis](#). **The Lancet Diabetes & Endocrinology**
19. Teufel F, Seiglie JA, Geldsetzer P, Theilmann M, **Marcus ME**, Ebert C, Agoudavi K, Andall-Brereton G, Aryal KK, Bicaba BW, Brian G, Bovet P, Dorobantu M, Gathecha G, Gurung MS, Guwatudde D, Msaidié M, Houehanou C, Houinato D, Jorgensen J, Kagaruki GB, Karki KB, Labadarios D, Martins JS, Mayige MT, McClure RW, Mwangi JK, Mwalim O, Norov B, Quesnel-Crooks S, Silver BK, Sturua L, Tsabedze L, Wesseh CS, Stokes A, Essien UR, De Neve J-W, Atun R, Davies JI, Vollmer S, Bärnighausen T, Ali MK, Meigs JB, Wexler DJ, Manne-Goehler J (2021): [Body mass index and diabetes risk in 57 low- and middle-income countries: a cross-sectional study of nationally-representative individual-level data](#). **The Lancet**, 398: 238-248
20. Kirschbaum T, Theilmann M, Sudharsanan N, Manne-Goehler J, Lemp J, De Neve J-W, **Marcus ME**, Ebert C, Chen S, Aryal KK, Bahendeka SK, Bolormaa N, Damasceno A, Dorobantu M, Farzadfar F, Gurung MS, Guwatudde D, Labadarios D, Moghaddam SS, Webster J, Davies JI, Atun R, Vollmer S, Bärnighausen T, Jaacks LM, Geldsetzer P (2021): [Targeting hypertension screening in low- and middle-income countries: A cross-sectional analysis of 1.2 million adults in 56 countries](#). **Journal of the American Heart Association**, 10: e021063
21. Flood D, Seiglie JA, Dunn M, Tschida S, Theilmann M, **Marcus ME**, Brian G, Norov B, Mayige MT, Gurung MS, Aryal KK, Labadarios D, Dorobantu M, Silver BK, Bovet P, Jorgensen J, Guwatudde D, Houehanou C, Andall-Brereton G, Quesnel-Crooks S, Sturua L, Farzadfar F, Moghaddam S, Atun R, Vollmer S, Bärnighausen T, Davies JI, Wexler DJ, Geldsetzer P, Rohloff P, Ramírez-Zea M, Heisler M, Manne-Goehler J (2021): [The State of Diabetes Treatment Coverage in 55 Low- and Middle-Income Countries: A Cross-Sectional Study of Nationally Representative, Individual-Level Data in 680,102 Adults](#). **The Lancet Healthy Longevity**, 2(6): e340-e351

Further Peer-Reviewed Publications ctd.

22. Peiris D, Ghosh A, Manne-Goehler J, Jaacks JM, Theilmann M, **Marcus ME**, Zhumadilov Z, Wesseh CS, Tsabedze L, Supiyev A, Sturua L, Silver BK, Sibai AM, Quesnel-Crooks S, Pelam DA, Norov B, Mwangi JK, Mwalim O, Wong-McClure R, Mayige MT, Martins JS, Lunet N, Labadarios D, Karki KB, Kagaruki GB, Jorgensen JMA, Hwalla NC, Houinato D, Houehanou C, Msaidié M, Guwatudde D, Gurung MS, Gathecha G, Damasceno A, Bicaba BW, Aryal KK, Andall-Brereton G, Agoudavi K, McKenzie B, Webster J, Atun R, Bärnighausen T, Vollmer S, Davies JI, Geldsetzer P (2021): [Cardiovascular disease risk profile and management practices in 45 low-income and middle-income countries: a cross sectional study of nationally representative individual-level survey data from 600,484 adults](#). **PLOS Medicine**, 18(3): e1003485.
23. Lemp J, De Neve JW, Bussmann H, Chen S, Manne-Goehler J, Theilmann M, **Marcus ME**, Ebert C, Probst C, Tsabedze L, Sturua L, Kibachio JM, Moghaddam S, Martins JS, Houinato D, Houehanou C, Gurung MS, Gathecha G, Farzadfar F, Dryden-Peterson S, Davies JI, Atun R, Vollmer S, Bärnighausen T, Geldsetzer P (2020): [Lifetime Prevalence of Cervical Cancer Screening in 55 Low- and Middle-Income Countries](#). **JAMA**, 324(15): 1532–1542
24. Davies JI, Reddiar SK, Hirschhorn LR, Ebert C, **Marcus ME**, Seiglie JA, Zhumadilov Z, Supiyev A, Sturua L, Silver BK, Sibai AM, Quesnel-Crooks S, Norov B, Mwangi JK, Mwalim O, McClure RW, Mayige MT, Martins JS, Lunet N, Labadarios D, Karki KB, Kagaruki GB, Jorgensen JMA, Hwalla NC, Houinato D, Houehanou C, Msaidie M, Guwatudde D, Gurung MS, Bovet P, Bicaba BW, Aryal KK, Andall-Brereton G, Brian G, Stokes A, Vollmer S, Bärnighausen T, Atun R, Geldsetzer R, Manne-Goehler J, Jaacks LM (2020): [Association between country preparedness indicators and quality clinical care for cardiovascular disease risk factors in 44 lower and middle income countries: A multi-country analysis of survey data](#). **PLOS Medicine**, 17(11): e1003268
25. Teufel F, Geldsetzer P, Manne-Goehler J, Karlsson O, Koncz V, Deckert A, Theilmann M, **Marcus ME**, Ebert C, Seiglie J, Agoudavi K, Andall-Brereton G, Gathecha G, Gurung MS, Guwatudde D, Houehanou C, Hwalla N, Kagaruki GB, Karki KB, Labadarios D, Martins JS, Msaidie M, Norov B, Sibai AB, Sturua L, Tsabedze L, Wesseh CS, Davies J, Atun R, Vollmer S, Subramanian SV, Bärnighausen T, Jaacks L, De Neve J-W (2020): [Analysis of attained height and diabetes among 554,122 adults across 25 low- and middle-income countries](#). **Diabetes Care**, 43(10): 2403–2410
26. Seiglie JA, **Marcus ME**, Ebert C, Prodromidis N, Geldsetzer P, Theilmann M, Agoudavi K, Andall-Brereton G, Aryal KK, Bicaba BW, Bovet P, Brian G, Dorobantu M, Gathecha G, Singh Gurung M, Guwatudde D, Msaidié M, Houehanou C, Houinato D, Jorgensen JMA, Kagaruki GB, Karki KB, Labadarios D, Martins JS, Mayige MT, McClure RW, Mwangi JK, Mwalim O, Norov B, Quesnel-Crooks S, Silver BK, Sturua L, Tsabedze L, Stanford Wesseh C, Stokes A, Atun R, Davies JI, Vollmer S, Bärnighausen TW, Jaacks LM, Meigs JB, Wexler DJ, Manne-Goehler J (2020): [Diabetes Prevalence and Its Relationship With Education, Wealth, and BMI in Twenty-Nine Low- and Middle-Income Countries](#). **Diabetes Care**, Volume 43, Issue 2
27. Geldsetzer P, Manne-Goehler J, **Marcus ME**, Ebert C, Zhumadilov Z, Wesseh CS, Tsabedze L, Supiyev A, Sturua L, Silver BK, Sibai AM, Quesnel-Crooks S, Norov B, Mwangi JK, Mwalim O, McClure RW, Mayige MT, Martins JS, Lunet N, Labadarios D, Karki KB, Kagaruki GB, Jorgensen JMA, Hwalla NC, Houinato D, Houehanou C, Msaidié M, Guwatudde D, Gurung MS, Gathecha G, Dorobantu M, Damasceno A, Bovet P, Bicaba BW, Aryal KA, Andall-Brereton G, Agoudavi K, Stokes A, Davies JI, Bärnighausen T, Atun R, Vollmer S, Jaacks LM (2019): [The state of hypertension care in 44 low- and middle-income countries: a cross-sectional study of individual-level nationally representative data from 1.1 million adults](#). **The Lancet**, DOI: 10.1016/S0140-6736(19)30955-9
28. Manne-Goehler J, Geldsetzer P, Agoudavi K, Andall-Brereton G, Aryal KK, Bicaba BW, Bovet P, Brian G, Dorobantu M, Gathecha G, Gurung MS, Guwatudde D, Msaidie M, Houehanou C, Houinato D, Jorgensen JMA, Kagaruki GB, Karki KB, Labadarios D, Martins JS, Mayige MT, McClure RW, Mwalim O, Mwangi JK, Norov B, Quesnel-Crooks S, Silver BK, Sturua L, Tsabedze L, Wesseh CS, Stokes A, **Marcus ME**, Ebert C, Davies JI, Vollmer S, Atun R, Bärnighausen T, Jaacks L (2019): [Health system performance for people with diabetes in 28 low- and middle-income countries: A cross-sectional study of nationally representative surveys](#). **PLOS Medicine**, 16(3): e1002751

Ongoing projects

The Effect of Personalized Diabetes Risk Informatin on Care and Health Outcomes in South Africa: A regression-discontiuity study with clinic link

Joint work with Asst. Prof. Carlos Riumallo Herl (Erasmus University Rotterdam)

Increasing HIV Pre-Exposure Prophylaxis (PrEP) Use in Middle-Aged and Older Adults in South Africa.

Joint work with the [HAALSI](#) collaborators.

Barriers to Hypertension and Diabetes Screening Uptake in Indonesia.

Joint work with Farah Diba and Dr. Marthoenis (Syiah Kuala University), Dr. Anna Reuter (Heidelberg University), Dr. Lisa Rogge (University of Erlangen-Nürnberg), and Prof. Dr. Sebastian Vollmer (University of Goettingen)

Scholarships, Awards & Grants

2019 – 2022	Friedrich-Ebert-Foundation’s doctoral scholarship grant Full-time stipend and travel support for 4 years
2021 – 2022	Selected participant of the Dorothea Schlözer Mentoring Program for early-career female researchers, University of Goettingen
2017	German Academic Exchange Service’s “Vortragsreise” travel grant

Teaching

Winter Term 18/19	Master’s Course “Poverty and Inequality” with Prof. Dr. Sebastian Vollmer and Dr. Janina Steinert
Summer Term 18	Master’s Course “Essentials of Global Health” with Prof. Dr. Sebastian Vollmer
Winter Term 17/18	Master’s Course “Quasi-Experiments in Development Economics” with Prof. Dr. Sebastian Vollmer and Cara Ebert

University Appointments and Committees Work

2017 – 2022	Equal Opportunities Officer Centre for Modern Indian Studies, University of Goettingen
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Ad hoc Reviewer

Journal of Health Economics

PLOS Medicine

PLOS Global Public Health

International Journal of Epidemiology

Invited Seminars & Conference Presentations

- 2023 15th IHEA World Congress on Health Economics
 “The Effect of SMS Reminders on Health Screening Uptake: A Randomized Experiment in Indonesia.””
- 2023 Harvard University Center for AIDS Research
 “HIV PrEP Indication and Barriers of Use in Middle-Aged and Older Adults in South Africa”
- 2023 ASSA 2023 Annual Meeting, American Economic Association
 “The Effect of SMS Reminders on Health Screening Uptake: A Randomized Experiment in Indonesia.” Poster Session.
- 2021 “World Class Professor 2021” Seminar, Syiah Kuala University, Indonesia; and “Global Strategy for the Prevention and Control of Non Communicable Diseases” International Seminar, Serambi Mekkah University, Indonesia
 “Cardiovascular Diseases in LMICs: The Global State of Care”
- 2021 3rd German Society for Health Economics (DGGÖ) PhD Workshop; 13th Annual Conference, German Society for Health Economics (DGGÖ); and 14th RGS Doctoral Conference in Economics
 “Did you know? The effect of SMS reminders on health screening uptake in Indonesia.”
- 2020 Friday Luncheon Seminar, Harvard Center for Population and Development Studies
 “Noncommunicable Diseases in LMICs: The Global State of Care and Insights from a Screening Intervention in Indonesia”
- 2020 Development Economics Seminar, University of Goettingen
 “Perceptions and Knowledge on the Current Outbreak of COVID-19 in Aceh, Indonesia - First Findings”
- 2019 Guest Lecture, Syiah Kuala University, Indonesia
 “Access to Care for Cardiometabolic Diseases”
- 2018 PhD workshop “Health Economics and Development”, German Society for Health Economics (DGGÖ)
 “Health System Performance for Hyperlipidemia in Middle-Income Countries”
- 2017 Project on Access to Care for Cardiometabolic Diseases in Low- and Middle-Income Countries (HPACC) Launch, Harvard TH Chan School of Public Health
 “Health System Performance for Dyslipidemia in LMICs”