

Hanna Mühlrad

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Research Fields

Epidemiology; causal inference; health economics; health policy; women's health; sexual and reproductive health; maternal and perinatal health; health equity.

Academic Positions

- 2026– **Assistant Professor in Epidemiology**, Department of Global Public Health, Karolinska Institutet. PRIME Health (Prevention, Intervention and Mechanisms in Public Health).
- 2022 **Visiting Research Scholar**, Department of Economics, Stanford University.
- 2019–2022 **Postdoctoral Researcher**, Department of Clinical Sciences, Danderyd Hospital, Karolinska Institutet. Full-time 2019–2020; 10% through 2022.
- 2018–2019 **Postdoctoral Researcher**, Department of Economics, Lund University.

Policy and Research Experience

- 2024–2025 **Committee Secretary**, Ministry of Health and Social Affairs, Government Offices of Sweden. Government inquiry on strengthened monitoring and evaluation of Swedish public health policy.
- 2020–2024 **Researcher (tenured)**, Institute for Evaluation of Labour Market and Education Policy (IFAU), Sweden.
- 2018 **Analyst / Project Lead**, National Board of Health and Welfare (Socialstyrelsen), Sweden. Government mandate on women's health and obstetric care.

Education

- 2018 **PhD in Economics**, University of Gothenburg. Dissertation: *The Impact of Reproductive and Birth Technologies on Health, Fertility and Labor Outcomes*. Fields: health economics and family economics. Supervisors: Randi Hjalmarsson and Andreea Mitrut. *Visiting Doctoral Student*, Department of Economics, University of Oxford, Hilary Term 2014 (supervisor: James Fenske).
- 2012 MSc-level coursework in Economics (90 credits), Stockholm University. Econometrics and causal methods.
- 2009 Bachelor's degree in Economics, Stockholm University.

Peer-Reviewed Publications

- Moskatel LS, Smirnoff L, **Mühlrad H**, Yan J, Bohm-Starke N. The impact of migraine on fertility and family planning in the Nationwide Swedish Health Care Registry. *Headache*. 2026.
- Harlow BL, Yan J, **Mühlrad H**, Lu D, Bohm-Starke N. The association between vulvodynia and subsequent morbidity across the life course. *J Low Genit Tract Dis*. 2026;30(3):237–242.
- Bhalotra S, Clarke D, Fernandez Sierra M, **Mühlrad H**. US Presidential Party switches are mirrored in global maternal mortality. *BMJ Global Health*. 2026;11(3):e020223.
- Harlow BL, **Mühlrad H**, Yan J, Lu D, Bohm-Starke N. The association between urological conditions across the life course and provoked vulvodynia. *J Womens Health*. 2025;34(7):918–923.
- Mantel Ä, Wollmann CL, Faxén J, Sandström A, **Mühlrad H**, Stephansson O. Adverse pregnancy outcomes, familial predisposition, and cardiovascular risk: a Swedish nationwide study. *European Heart Journal*. 2025;46(8):733–745.
- á Rogvi J, Bütikofer A, Krebs L, **Mühlrad H**, Wüst M. Cesarean section, childhood health, and schooling: quasi-experimental evidence from Denmark, Norway and Sweden. *Health Economics*. 2025;34(3):431–441.
- Harlow BL, **Mühlrad H**, Yan J, Linnros E, Lu D, Fox MP, Bohm-Starke N. Psychiatric morbidity across the life course and provoked vulvodynia. *J Sex Med*. 2024;21(9):800–806.
- Mühlrad H**, Olovsson M, Linnros E, Haraldson P, Bohm-Starke N. Health and socioeconomic well-being of women with

- endometriosis and provoked vestibulodynia. *PLOS ONE*. 2024;19(9):e0307412.
- Harlow BL, Coleman CM, **Mühlrad H**, Yan J, Linnros E, Lu D, Fox MP, Bohm-Starke N. The association between immune-related conditions across the life-course and provoked vulvodynia. *J Pain*. 2023;24(8):1415–1422.
- Haraldson P, **Mühlrad H**, Heddini U, Nilsson K, Bohm-Starke N. Botulinum toxin A for provoked vestibulodynia: 12 months' follow-up of a randomized controlled trial. *J Sex Med*. 2022;19(11):1670–1679.
- Mühlrad H**. Cesarean sections for high-risk births: health, fertility, and labor market outcomes. *Scandinavian Journal of Economics*. 2022;124(4):1056–1086.
- Mühlrad H**, Björkegren E, Haraldson P, Bohm-Starke N, Kopp Kallner H, Brismar Wendel S. Interpregnancy interval and maternal and neonatal morbidity: a nationwide cohort study. *Scientific Reports*. 2022;12:17402.
- Fuxe V, Brismar Wendel S, Bohm-Starke N, **Mühlrad H**. Delivery mode and severe maternal and neonatal morbidity among singleton term breech births: a population-based cohort study. *Eur J Obstet Gynecol Reprod Biol*. 2022;272:166–172.
- Clarke D, **Mühlrad H**. Abortion laws and women's health. *Journal of Health Economics*. 2021;76:102413.
- Mühlrad H**, Haraldson P, Harlow BL, Anell Olofsson M, Bohm-Starke N. Early life health in women with provoked vestibulodynia and/or vaginismus. *J Womens Health*. 2021;30(6):799–806.
- Haraldson P, **Mühlrad H**, Heddini U, Nilsson K, Bohm-Starke N. Botulinum toxin A as a treatment for provoked vestibulodynia: a randomized controlled trial. *Obstetrics & Gynecology*. 2020;136(3):524–532.

Other Peer-Reviewed Publications

- Bautrant E, Porta O, Murina F, **Mühlrad H**, Levêque C, Riant T, Ploteau S, Valancogne G, Levesque A. Provoked vulvar vestibulodynia: epidemiology in Europe, physio-pathology, consensus for first-line treatment and evaluation of second-line treatments. *J Gynecol Obstet Hum Reprod*. 2019;48(8):685–688.

Research Funding

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| 2021 | PI , Jan Wallanders och Tom Hedelius Stiftelse. <i>Understanding the Implications of COVID-19 on Health and Well-being: Comparing Sweden and Norway</i> . SEK 950,000. |
| 2019 | PI , Swedish Research Council, International Postdoc Grant. <i>Abortion Laws, Intimate Partner Violence and Early Life Health</i> . SEK 3,150,000. |
| 2019 | PI , Jan Wallanders och Tom Hedelius Stiftelse. <i>Child and Maternal Health – The Importance of Reproductive Rights</i> . SEK 500,000. |
| 2025 | Co-Investigator , Forte. <i>Advancing Postmenopausal Health for All: Investigating the Risks, Benefits, and Disparities in Menopausal Hormone Therapy</i> . PI: Cecilia Magnusson. SEK 4,889,000. |
| 2023 | Co-Investigator , Forte. <i>A Broadened Approach to Analyzing the Role of the Welfare System for a Sustainable Working Life</i> . PI: Lisa Laun. SEK 23,988,595. |
| 2021 | Co-Investigator , Forte. <i>Receiving Refugees in Schools: Effects on Human Capital Accumulation, Schools and Segregation</i> . PI: Anna Sjögren. SEK 5,000,000. |
| 2020 | Co-Investigator , NIH/NICHD. <i>Risk of Vulvodynia Due to Immune-Related Health Events Throughout the Life Course</i> . PI: Bernard Harlow. USD 229,720. |

Teaching and Supervision

Current course leadership and teaching

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| 2026– | Course Leader , <i>Applied Epidemiology I – Distribution of Health</i> (5 ECTS), Master's Programme in Public Health Sciences, Department of Global Public Health, Karolinska Institutet. |
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University-level teaching

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| 2021 | Teaching Assistant and Lecturer , <i>Microeconomics A</i> (2NE474), Department of Economics, Uppsala University. Bachelor's programme, introductory level; 19 teaching hours. |
| 2018–2019 | Lecturer , <i>Global Health Challenges in an Interdisciplinary Context</i> (MGH101), Institute of Medicine, Sahlgrenska Academy, University of Gothenburg. Master's Programme in Global Health, advanced level; 9 teaching hours. |
| 2018 | Lecturer , <i>Advanced Development Economics</i> (NEKN73), Department of Economics, Lund University. Master's Programme in Economics and PhD course, advanced level; 16 teaching hours. |

- 2017 **Lecturer**, *Governing Health and Illness in a Global Perspective* (MGH201), Institute of Medicine, Sahlgrenska Academy, University of Gothenburg. Master's Programme in Global Health, advanced level; 15 teaching hours.
- 2016 **Teaching Assistant**, *Applied Economics and Trade* (NEG100), Department of Economics, University of Gothenburg. Bachelor's programme, introductory level; 12 teaching hours.
- 2016 **Teaching Assistant**, *Principles of Macroeconomics* (NEG100), Department of Economics, University of Gothenburg. Bachelor's programme, introductory level; 12 teaching hours.
- 2010 **Teaching Assistant**, *Microeconomic Theory and Applications* (EC1101), Department of Economics, Stockholm University. Bachelor's level, introductory course; 58 teaching hours.

Doctoral supervision

- 2024– **Co-supervisor**, Christina Roeck Hansen, PhD student, Karolinska Institutet. Dissertation project: *The Cesarean Delivery: Uncovering Risk Factors for Adverse Outcomes and Evaluating Maternal Long-Term Health Effects*.
- 2018–2023 **Co-supervisor**, Jonas Lundstedt, PhD in Economics, Lund University. Doctoral thesis: *Essays in Education Economics*; degree completed 2023.

Master's, medical and undergraduate thesis supervision

- 2015–2020 Supervised and co-supervised 10 degree projects in economics, health economics, development economics and medicine at Karolinska Institutet, Lund University and the University of Gothenburg, including master's, medical and bachelor's theses.

Formal training in university teaching

- 2016 Stockholm University Professional Development Course on Teaching and Learning (*Universitetslärarutbildning 1*), 7.5 ECTS.

Scientific Service and Affiliations

- 2023– Research Affiliate, IZA Institute of Labor Economics.
- 2021– Affiliate, Uppsala Center for Labor Studies (UCLS).
- Grant reviewer: KU Leuven (2026), London School of Economics (2023), Swiss Research Foundation (2022).
- Referee for journals including *American Economic Journal: Economic Policy*, *Journal of Health Economics*, *American Journal of Health Economics*, *Review of Economics and Statistics*, *Economic Journal*, *Labour Economics*, *Quantitative Economics*, *PLOS ONE*, and *Journal of Sexual Medicine*.

Selected Policy Publications and Reports

- Karimi A, **Mühlrad H**, Niknami S, Ornstein P, Sandberg Trolle-Lindgren A. *Väld i nära relationer: Riskfaktorer och konsekvenser*. SNS Analys 102, 2024.
- Bhalotra S, Clarke D, **Mühlrad H**, Palme M. *Health and Labor Market Impacts of IVF Technology: Evidence from a Swedish Policy Mandate*. IFAU Working Paper, 2023.
- Sjögren A, Engdahl M, Hall C, Holmlund H, Lundin M, **Mühlrad H**, Öckert B. *Swedish Children and Youth During the COVID-19 Pandemic*. IFAU Report 2021:3.
- Mühlrad H**. *Kejsarsnitt vid högriskförlossningar – effekter på hälsa, fertilitet och arbetsmarknadsutfall*. Ekonomisk Debatt, 2019.
- Clarke D, **Mühlrad H**. *Abortion Laws and Women's Health*. VOX CEPR Policy Portal, 2018.
- Clarke D, **Mühlrad H**. *The Impact of Abortion Legalization on Fertility and Female Empowerment*. Expert Group for Aid Studies (EBA), 2018.

Selected Conference Presentations

- 2022 American Society of Health Economists (ASHEcon), Austin, USA.
- 2019 IZA Workshop on Gender and Family Economics, Viña del Mar, Chile; Alpine Population Conference, Italy.
- 2018 European Economic Association, Manchester, UK; Convergences in Pelviperineal Pain Annual Congress, Brussels (keynote and panel speaker); ECSVD Congress, Copenhagen.

2017	Columbia University Interdisciplinary PhD Workshop in Sustainable Development, New York, USA.
2016	Essen Health Conference, Germany; CSAE Conference, University of Oxford, UK.

Awards

2018	Stiftelsen San Michele Scholarship.
2013	Hedelius Scholarship, Handelsbanken Research Foundations.

Leave and Career Context

2023–2024	Parental leave following the birth of my second child.
2021	Parental leave following the birth of my first child.
2020	Miscarriage and ectopic pregnancy (short periods of reduced research activity).

Languages

Swedish (native); English (proficient).