**Emma Clarke-Deelder, MPhil., PhD**

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Household Economics and Health Systems Research

Department of Epidemiology and Public Health

Swiss Tropical & Public Health Institute

**Education**

PhD Harvard University, Population Health Sciences 2016-2021

MPhil University of Cambridge, Development Studies *with Merit* 2012-2013

BA Cornell University, major in Government, *Summa cum Laude*  2008-2012

**Research interests**

Maternal and child health, immunization, implementation science, quality measurement, methods for impact evaluation (e.g., quasi-experimental methods, randomized controlled trials) and economic evaluation (e.g., cost-effectiveness analysis)

**Peer-reviewed publications**

1. Haber NA, **Clarke-Deelder E**, Salomon JA, Feller A, Stuart E. 2021. *American Journal of Epidemiology.* “[Impact Evaluation of Coronavirus Disease 2019 Policy: A Guide to Common Design Issues](https://academic.oup.com/aje/article/190/11/2474/6310594?login=true).”
2. **Clarke-Deelder E**, Suharlim C, Chatterjee S, Brenzel L, Ray A, Cohen J, McConnell M, Resch S, Menzies N. 2021. *Health Policy and Planning.* “[Impact of campaign-style delivery of routine vaccines: a quasi-experimental evaluation using routine health services data in India](https://www.medrxiv.org/content/10.1101/2020.05.01.20087288v1).”
3. Vaughan K\*, **Clarke-Deelder E\***, Tani K, Lyimo D, Mphuru A, Manzi F, Schütte C, Ozaltin A. 2020. *Vaccine*. [Immunization costs, from evidence to policy: findings from a nationally representative facility-based costing study and policy translation effort in Tanzania.](https://www.sciencedirect.com/science/article/pii/S0264410X20312792) (\*Shared first authorship)
4. Portnoy A\*, Vaughan K\*, **Clarke-Deelder E**, Suharlim C, Resch S,Brenzel L, & Menzies N. 2020. *PharmacoEconomics.* [Producing Standardized Country-Level Immunization Delivery Unit Cost Estimates](https://link.springer.com/article/10.1007/s40273-020-00930-6). (\*joint contribution)
5. **Clarke-Deelder E**, Shapira G, Samaha H, Frische G, and Fink G. 2019. *BMC Public Health.* [Quality of care for children with severe in the Democratic Republic of the Congo](https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-019-7853-3).
6. **Clarke-Deelder E**, Vassall A, and Menzies N. 2019. *Value in Health*. [Estimators used in multi-site healthcare costing studies in low- and middle-income countries: a systematic review and simulation study](https://www.valueinhealthjournal.com/article/S1098-3015%2819%2932201-6/abstract).
7. Munk C, Portnoy A, Suharlim C, **Clarke-Deelder E**, Brenzel L, Resch S, and Menzies N. 2019. *BMC Health Services Research.* [Systematic review of the costs and effectiveness of interventions to increase infant vaccination coverage in low- and middle-income countries](https://bmchealthservres.biomedcentral.com/articles/10.1186/s12913-019-4468-4).

**Manuscripts under review**

* **Clarke-Deelder E**, Opondo K, Oguttu M, Burke T, Cohen J\*, McConnell M\*. “What happens after women deliver? Leveraging the global health quality revolution to bring needed attention to postpartum care.” (\*joint contribution)
* **Clarke-Deelder E**, Opondo K, Achieng E, Garg L, Han D, Henry J, Guha M, Lightbourne A, Makin J, Miller N, Otieno B, Borovac-Pinheiro A, Suarez-Rebling D, Menzies N, Burke T, Oguttu M, McConnell M, Cohen J. “Quality of care for postpartum hemorrhage: a direct observation study in referral hospitals in Kenya.”
* **Clarke-Deelder E**, Rokicki S, McGovern M, Birabwa C, Cohen J, Waiswa P. “Experiences of COVID-19 Policy Measures and Mental Health in Uganda: Cross-Sectional Evidence from a Mobile Phone-Based Population Survey.»
* **Clarke-Deelder E**, Eliakimu E, Mbatia R, Bohren M, Mashasi I, Larson E. “Measuring user experience of care among caregivers of sick children: validation and descriptive analysis in a sample of 75 health facilities in rural Tanzania.”
* **Clarke-Deelder E**, Afriyie D, Nseluke M, Masiye F, Fink G. “Health care seeking in modern urban LMIC settings: evidence from Lusaka, Zambia.”

**Reports**

* Bilinski A, Birger R, Burn S, Chitwood M, **Clarke-Deelder E**, Copple T, Eaton J, Ehrlich H, Erlendsdottir M, Eshghi S, Farid M, Fitzpatrick M, Giardina J, Gonsalves G, Hsieh YL, Iloglu, Kao Y, MacKay E, Menzies N, Mulaney B, Paltiel D, Perniciaro S, Phillips M, Rich K, Salomon J, Sherak R, Shioda K, Swartwood N, Testa C, Thornhill T, White E, Williamson A, York A, Zhu J, and Zhu L. 2019. “[Defining high-value information for COVID-19 decision-making](https://www.medrxiv.org/content/medrxiv/early/2020/04/08/2020.04.06.20052506.full.pdf).”
* Resch S, Menzies NA, Portnoy A, Clarke-Deelder E, O’Keefe L, Suharlim C, Brenzel L. 2019. “[How to cost immunization programs: a practical guide on primary data collection and analysis](https://immunizationeconomics.org/recent-activity/2019howtocost).”
* **Clarke E**, Kallenberg J, Brooks A, Getchell M. June 2016.“Report to the Gavi Alliance Board: Health System and Immunisation Strengthening Support.”
* **Clarke E**, Kallenberg J, Brooks A, Getchell M. October 2015.“Report to the Gavi Alliance Programme and Policy Committee: Review of Gavi’s Model for Direct Financial Support to Countries.”
* [The Adolescent Girls Initiative in Rwanda: Final Evaluation Report](http://documents.worldbank.org/curated/en/642841468190152265/The-adolescent-girls-initiative-in-Rwanda-final-evaluation-report). June 2015. The World Bank. (with Ioana Botea, Shubha Chakravarty, Sarah Haddock, Sachin Gathani, Dimitri Stoelinga, and Bélise Kangabe)
* [Save the Children Literacy Boost: Baseline Study for the Community Component](https://rwanda.savethechildren.net/sites/rwanda.savethechildren.net/files/library/Community%20Practices%20and%20Perceptions%20Baseline%20FINAL.pdf). May 2014. Save the Children Rwanda. (with Sachin Gathani and Annabelle Wittels)

**Selected works in progress**

* “Know-do gaps in integrated management of childhood illness in five countries in sub-Saharan Africa” (with Günther Fink and Gil Shapira)
* “Impact of campaign-style delivery of routine vaccines on other primary health care services: a quasi-experimental evaluation using routine health services data in India” (with Nicolas Menzies)
* “Cost-effectiveness of expanding routine immunization coverage in India using campaign-style delivery” (with Stephen Resch and Nicolas Menzies)

**Research grants**

*2020 COVID-19 Intramural Funding for the Social Sciences*, Rutgers University

**Co-Investigator** with Slawa Rokicki, Mark McGovern, and Jessica Cohen

Title: “The economic and social impacts of COVID-19 public health policies in Uganda” ($29,776)

*2020 Institute for Quantitative Social Sciences*, Harvard University

**Principal Investigator** with Slawa Rokicki and Mark McGovern

Title: “The impact of the COVID-19 pandemic on health and well-being in urban settings in sub-Saharan Africa: a panel study” ($1,700)

*2020 Gamble Family Foundation*

**Principal Investigator** with Slawa Rokicki and Mark McGovern

Title: “The impact of the COVID-19 pandemic on health and well-being in urban settings in sub-Saharan Africa” ($5,000)

*2019 Foundations of Human Behavior Institute*, Harvard University

 **Co-Investigator** with Jessica Cohen and Maggie McConnell

Title: “Health Care Provider Beliefs and Quality of Care for Postpartum Hemorrhage in Kenya” ($34,522)

*2019 Center for African Studies,* Harvard University

 **Principal Investigator**

Title: “Quality of care for postpartum hemorrhage” (January term travel grant) ($3,220)

*2011* *Mario Einaudi Center for International Studies*, Cornell University

 Frederic Conger Wood Fellowship

 **Principal Investigator**

Title: “Anti-immigration and the European Far-Right” ($4,000)

**Awards and certificates**

*2020* Dissertation Completion Fellowship (Harvard University)

*2016* CEO Star Award for updating the design of Gavi’s health systems and immunization strengthening support with Marya Getchell (Gavi, the Vaccine Alliance)

*2014* DALF C1 certification in French (Institut Français du Rwanda in Kigali, Rwanda)

*2012* Clyde A. Duniway Prize for the top graduating student with a major in Government out of 138 students (Cornell University Government Department)

*2008-2012* Dean’s List (Cornell University College of Arts and Sciences)

*2008* National Merit Scholarship

**Teaching experience**

*2020* **GHP 525: Econometric Methods for Health Care Policy**

 Harvard T. H. Chan School of Public Health (masters and PhD students)

 Teaching assistant for Professor Sebastian Bauhoff

* Led lab sessions on topics in econometric methods and held office hours with students
* *Topics:* Linear regression, potential outcomes framework, instrumental variables analysis, difference-in-differences, regression discontinuity designs, interrupted time-series analysis

*2018-2019* **R workshop for Population Health Sciences**

Harvard Graduate School of Arts & Sciences (1st year PhD students)

* Developed materials for and co-led a workshop focused on R programming with Louisa Smith and Isabelle Feldhaus

*2018* **PHS 2000b: Quantitative Research Methods in Population Health Sciences**

Harvard Graduate School of Arts & Sciences (1st year PhD students)

Teaching Fellow for Professors Jessica Cohen, Tyler Vanderweele, and Jarvis Chen

* Developed and led lab sessions, developed and graded problem sets,developed and graded exams, and held office hours with students
* *Topics:* Instrumental variables analysis, difference-in-differences, regression discontinuity designs, interrupted time-series analysis, interaction and mediation, propensity scores, marginal structural models for causal inference with time-varying confounding, missing data

*2017-2018* **RDS 280**: **Decision Analysis for Health and Medical Practices**

Harvard T. H. Chan School of Public Health (masters, PhD, and MD students)

Teaching Assistant for Professor Ankur Pandya

* Developed and graded exams and held office hours with students
* *Topics*: decision analysis using decision trees, cost-effectiveness analysis, health state preference elicitation

**Presentations**

*2020* “Effects and Cost-Effectiveness of Expanding Routine Immunization Coverage in India Using Campaign-Style Delivery: A Quasi-Experimental Study and Economic Evaluation.”(Poster presentation, Finalist for the Lee Lusted Award). **Society for Medical Decision-Making.** Virtual, October 2020.

*2020* “Quality of care for postpartum hemorrhage in referral hospitals in Kenya: a direct clinical observation study.”(Poster presentation.) **Swiss Public Health Conference**. Virtual, September 2020.

*2020* “Measuring user experience of care among caregivers of sick children: validation and descriptive analysis in a sample of health facilities in rural Tanzania.” (Poster presentation.) **Global Women’s Research Society, 2020 conference on “Implementing Respectful Care: the Science and the Practice.”** Virtual, September 2020.

*2020* “Understanding drivers of quality care for postpartum hemorrhage: insights from a mixed methods study in Kenya.” (Oral Presentation.) **Maternal, Neonatal, and Child Health Department, Bill & Melinda Gates Foundation.** Virtual, July 2020.

*2019* “Behavioral Barriers to Appropriate Management of Postpartum Hemorrhage.” (Oral Presentation.) **International Health Economics Association: Pre-Conference on Health Care Provider Behavior and Quality of Care in Low- and Middle-income Countries**. Basel, Switzerland, July 2019.

*2019* “Quantifying the Additional Doses Delivered due to the Intensified Mission Indradhanush Program in India: A Difference-in-Differences Analysis.” (Oral Presentation.) **International Health Economics Association**. Basel, Switzerland, July 2019.

*2019* “Estimators Used in Multi-Site Healthcare Costing Studies in LMICs: A Systematic Review and Simulation Study.” (Oral Presentation.) **International Health Economics Association**. Basel, Switzerland, July 2019.

*2018* “Systematic review and simulation study of summary estimators in multi-site health care costing studies in LMICs.” (Poster Presentation.) **5th Annual State of Global Health Symposium, Harvard T. H. Chan School of Public Health. Boston**, MA, March 29, 2018.

**Professional experience**

*2014-2016* **Gavi, the Vaccine Alliance**, Geneva, Switzerland

 Programme Officer, Policy & Market Shaping

*2013-2014* **Laterite**, Kigali, Rwanda

 Research Analyst

**Other professional activities**

* Reviewer for: *American Journal of Tropical Medicine and Hygiene*, *BMJ, BMJ Global Health, Frontiers in Public Health, PLOS Global Public Health, Social Science & Medicine*, *Systematic Reviews, Vaccine, World Development*

**Languages**

English (native), French (fluent; C1 DALF exam passed in 2014)