

Dorit Talia Stein

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Department of Global Health and Population, Harvard T.H. Chan School of Public Health

Education

Harvard University 2025 (Expected)

PhD in Population Health Sciences and Health Systems

Minors: Economics and Decision Science

Dissertation: “Modeling Health Equity and Financial Risk Protection Impacts of Cardiovascular Disease Prevention in Low- and Middle-income Countries”

Dissertation Committee: Profs. David Cutler, Goodarz Danaei, and Stéphane Verguet (Chair)

Harvard T.H. Chan School of Public Health 2019

MS in Global Health and Population

Paci Family Fellowship Fund Merit Scholarship

University of California, Los Angeles (UCLA) 2014

BS in Human Biology and Society and minor in Public Affairs

Summa Cum Laude, Highest Departmental Honors, Dean’s List

Research Interests

- Global health policy
- Health systems performance
- Health insurance and financial risk protection
- Population aging and chronic diseases
- Health disparities and equity
- Microsimulation modeling

Peer-Reviewed Publications

Stein, D. T., Reitsma, M. B., Geldsetzer, P., Agoudavi, K., Aryal, K. K., Bahendeka, S., ... & Verguet, S. (2024). Hypertension care cascades and reducing inequities in cardiovascular disease in low-and middle-income countries. *Nature Medicine*, 30(2), 414-423.

Stein, D. T., Rakhmadi, M. F., Dutta, A., & Ugaz, J. I. (2023). Attributes of funding flows and quality of maternal health services in a mixed provider payment system: A cross-sectional survey of 108 healthcare providers in Indonesia. *World Medical & Health Policy*, 15(2), 179-193.

Nason, I., **Stein, D. T.**, Frank, R. G., & Stein, M. B. (2021). Decline In New Starts Of Psychotropic Medications During The COVID-19 Pandemic: Study examines new starts of psychotropic medications during the COVID-19 pandemic. *Health Affairs*, 40(6), 904-909.

Stein, D. T., Golub, G., Rothschild, C. W., Nyakora, G., Cohen, J., & McConnell, M. (2021). Bypassing high-quality maternity facilities: evidence from pregnant women in peri-urban Nairobi. *Health Policy and Planning*, 36(1), 84-92.

Stein, D. T., Sudharsanan, N., Dewi, S., Manne-Goehler, J., Witoelar, F., & Geldsetzer, P. (2020). Change in clinical knowledge of diabetes among primary healthcare providers in Indonesia: repeated cross-sectional survey of 5105 primary healthcare facilities. *BMJ Open Diabetes Research and Care*, 8(1), e001415.

Stein, D. T., & Terry, S. F. (2013). Reforming biobank consent policy: a necessary move away from broad consent toward dynamic consent. *Genet Test Mol Biomarkers*, 17(12), 855-6. (Commentary)

Research Working Papers

Stein DT, Ssessanga A, Olaro C, Sabiiti J, Kyaddondo B, Ngorok CM, Ssenooba F, Makumbi FE. “Exploring decentralization and local health systems performance during COVID-19: a quantitative analysis of national guideline implementation and maintenance of essential health services across districts in Uganda” (*Revise and Resubmit at BMJ Public Health*)

Stein DT, Kim R, Subramanian S, Bauhoff S. “Geographic variation in healthcare utilization across villages, districts, and states in India” (*Submitted*)

Selected Fellowships and Grants

Social Equity and Health Equity Stipend	2025
– Harvard Kennedy School Malcolm Weiner Center for Social Policy	
John C. Hansen & Katherine Vogelheim Research and Travel Fund for Africa	2024
– Harvard Graduate School of Arts and Sciences Academic Programs	
Center for Population and Development Studies Dissertation Research Award	2024
– Harvard T.H. Chan School of Public Health	
Fulbright U.S. Student (Uganda)	2023
– U.S. Department of State	
Frederick Sheldon Traveling Fellowship (Uganda)	2023
– Harvard Committee on General Scholarships	
Clarence James and Sarah Bradley Gamble Scholarship Award (Uganda)	2023
– Dept. of Global Health and Population, Harvard T.H. Chan School of Public Health	
Graduate Student Council Conference Grant	2023
– Harvard University Graduate School of Arts and Sciences	
Center for Population and Development Studies Conference Grant	2023
– Harvard T.H. Chan School of Public Health	
Women and Public Policy Program Cultural Bridge Fellowship (Uganda)	2022
– Harvard Kennedy School	
Michael Von Clemm Traveling Fellowship (Uganda, Nepal)	2020,
– Harvard T.H. Chan School of Public Health	2022

Institute for Quantitative Social Science Conference Grant	2022,
– Harvard University	2024
Global Health and Population Conference Grant	2022
– Harvard T.H. Chan School of Public Health	
Maternal Health Task Force Travel Award (Nepal)	2020
– Harvard T.H. Chan School of Public Health	
Paci Family Fellowship Fund Merit Scholarship	2018
– Harvard T.H. Chan School of Public Health	

Selected Technical Reports and Policy Briefs

- Stein, DT**, Ahuja R. Domestic Resource Mobilization for HIV in Nepal: National and Subnational HIV Financing Landscape. *Health Policy Plus Project*. 2021
- Stein DT**, Babak M, Soehoed R. Cost-efficient Local HIV Screening Strategies to Meet Minimum Service Standard Targets in Indonesia. *Health Policy Plus Project*. 2020
- Stein DT**, Dewi S. Multiple Funding Flows for Maternal and Neonatal Health Services in Indonesia: A Legal and Regulatory Review. *Health Policy Plus Project*. 2020
- Stein DT**, Rakhmadi MF, Dutta A, Ugaz J. Does Better Financing Enable Delivery of High-quality Maternal and Neonatal Health Services? Evidence from Providers and Local Governments in Indonesia. *Health Policy Plus Project*. 2020
- Stein DT**, Soehoed R, Marra K, and Cantelmo C. Supporting Standardized Pricing for Viral Load Testing in Indonesia. *Health Policy Plus Project*. 2020
- Stein DT**, Tinkle S. Findings from NCI Epidemiology and Genomics Research Program Cohort Interviews on Data Sharing Policies and Practices. *Science and Technology Policy Institute*. 2016

Blog Posts

- Stein DT**, Walimbwa A, Ssenooba F. Generating evidence for national health insurance design in Uganda with participatory health systems modeling. *Harvard Center for International Development Voices Blog*. 2024
- Stein DT**, Ward K, Cantelmo C. Estimating the Potential Impact of COVID-19 on Mothers and Newborns in Low- and Middle-Income Countries. *Health Policy Plus Project*. 2020

Selected Conference Presentations

Oral Presentations

- Stein DT**, Verguet S “Improving Hypertension Care Cascades and Financial Risk Protection in Low- and Middle-income Countries” INFORMS (Institute for Operations Research and the Management Sciences) Annual Meeting. Seattle, WA, USA. October 2024

Stein DT, Manne-Goehler J, Geldsetzer P, Atun R, Verguet S “*Financial Risk Protection Impacts of Improved Equity in Hypertension Care Cascade Performance in Low- and Middle-income Countries*” International Health Economics Association World Congress. Cape Town, South Africa. July 2023

Stein DT, Rockli K, Subramanian SV, Bauhoff S “*Geographic Variation in Healthcare Utilization across Villages, Districts, and States in India: A Multilevel Modeling Analysis*” International Health Economics Association World Congress. Cape Town, South Africa. July 2023

Stein DT, Geldsetzer P, Atun R, Verguet S “*Improving Hypertension Care Cascades Towards Reducing Cardiovascular Disease Inequities in 46 Low- and Middle-income Countries*” Global Symposium for Health Systems Research. Bogotá, Colombia. November 2022

Stein DT, Cohen J, McConnell M “*Bypassing for High-Quality Maternal Healthcare: Relationship between Distance, Travel Time, and Delivery Facility Quality in Nairobi, Kenya*” International Health Economics Association World Congress. Basel, Switzerland. July 2019

Poster Presentations

Stein DT and Verguet S. “*Improving Hypertension Care Cascades and Financial Risk Protection in Low- and Middle-income Countries*” Society for Medical Decision Making (SMDM) Annual Conference. Boston, MA, USA. October 2024

Stein DT, Walimbwa A, Verguet S, Sengooba F. “*Participatory Simulation Modeling of Health, Welfare, and Equity Impacts of National Health Insurance in Uganda*” Global Symposium for Health Systems Research. Nagasaki, Japan. November 2024

Stein DT and Verguet S. “*Improving Hypertension Care Cascades Towards Reducing Cardiovascular Disease Inequities in 46 Low- and Middle-income Countries*” Population Health Sciences Poster Day. Boston, MA, USA. April 2023.

– **“Substantive” Poster Award**

Stein DT, Ssessanga A, Kyaddondo B, Makumbi FE, Ngorok CM “*Exploring Subnational Variation in the Maintenance of Essential Health Services for Women and Children during COVID-19 in Uganda*” Harvard Africa Health Conference. Boston, MA, USA. February 2023

Stein DT, Sudharsanan N, Manne-Goehler J, Geldsetzer P “*Differences in Healthcare Provider Diabetes Knowledge: Evidence from the Indonesian Family Life Survey*” 6th Annual State of Global Health Symposium, Harvard School of Public Health. Boston, MA, USA. 2019

– **Outstanding Student Poster Award**

Invited Talks

“*Introduction to Simulation Modeling for Health Systems and Policy Research.*” Seminar at Makerere University School of Public Health Department of Health Policy Planning and Management. Kampala, Uganda. June 2024.

“*Health and Welfare Impacts of National Health Insurance in Uganda: A Modelling Proposal.*” Seminar at Makerere University School of Public Health Department of Health Policy Planning and Management. Kampala, Uganda. November 2023.

Teaching Experience

Harvard T.H. Chan School of Public Health, Teaching Fellow

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| Health Systems | Fall 2024 |
| – Profs. Rifat Atun and Meredith Rosenthal (for MPH students) | |
| Decision Science for Public Health | Spring 2023 |
| – Prof. Sue Goldie (for MPH students) | |
| Introduction to Economics with Applications to Health and Development | Fall 2022 |
| – Prof. Margaret McConnell (for MS, MPH, and DrPH students) | |
| Modeling for Health Systems Analysis and Priority Setting | Spring 2022 |
| – Prof. Stéphane Verguet (for MS, MPH, DrPH, and PhD students) | |
| Advanced Modeling for Health Systems Analysis and Priority Setting | Spring 2022 |
| – Prof. Stéphane Verguet (for MS, MPH, DrPH, and PhD students) | |
| Decision Science for Health and Medical Practice | Fall 2021 |
| – Prof. Ankur Pandya (for MS, MPH, DrPH, and PhD students) | |

Harvard College, Teaching Fellow

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| The Global Heart Disease Epidemic | Fall 2022 |
| – Prof. Richard Lee (for undergraduate students) | |

Service and Affiliations

Visiting Scholar

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| – Makerere University School of Public Health, Department of Health Policy Planning and Management | 2023-2024 |
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Graduate Student Affiliate

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| – Harvard Institute for Quantitative Social Science | 2021 – present |
| – Harvard Center for Population and Development Studies | 2022 – present |
| – Harvard Center for International Development | 2023 – present |

Research Fellow

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| – National Population Council in the Ministry of Finance, Planning, and Economic Development, Government of Uganda | 2021-2022 |
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Member

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| – GHP Project on Access to Care for Cardiometabolic Diseases (HPACC) | 2019 – present |
| – International Health Economics Association | 2019 – present |
| – Health Systems Global | 2020 – present |
| – Society for Medical Decision Making | 2022 – present |

Ad-hoc Reviewer

- *Social Science & Medicine*
- *Health Systems & Reform*

Grant-writing Experience

National Institute on Aging (F99/K00), Role: PI

- “Modeling Health System Strategies to Reduce Health Disparities among Global Aging Populations” (Scored, not funded)

Selected Professional Experience

Global Health Education and Learning Incubator, Cambridge, MA Feb 2025 – present
 – Curriculum Development Fellow (with Professor Sue Goldie)

Health Systems Innovation Lab, Boston, MA Dec 2024 – present
 – Research Fellow, Global Collaborative for Changing Diabetes in Children (PI: Professor Rifat Atun)

The World Bank Group, Remote Jan 2022 – Jan 2023
 – Consultant Researcher, Digital Technologies for Strategic Health Purchasing

Palladium, Washington DC Jun 2019 – Jun 2021
 – Associate, Health Financing

Harvard T.H. Chan School of Public Health, Cambridge, MA Nov 2017 – May 2018
 – Graduate Research Assistant, Professors Peter Berman, William Hsiao, Winnie Yip

One Heart Worldwide, Nepal Jan 2018, Jan 2019
 – Monitoring and Evaluation Intern, Supply Chain

Nyayik Sansar/Tevel B'Tzedek, Nepal Oct 2016 – May 2017
 – Women’s Empowerment and Health International Fellow

IDA’s Science and Technology Policy Institute, Washington, DC Jul 2015 – Sept 2016
 – Science Policy Fellow

Skills

R (Advanced), Stata (Proficient), Parallel/Cluster Computing (Experienced)

References

Stéphane Verguet, MS, MPP, PhD
Associate Professor of Global Health
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