Sarah E. Baum

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EDUCATION

Harvard University　　　　　　　　　　　　　　　　　　2022 - Current

Ph.D. in Population Health Sciences (Global Health and Population)
Fields: Health Economics, Infectious Diseases
Dissertation: Physician allocation of infectious disease screening and its implications for disease surveillance
Committee: Nicolas Menzies (Chair), Jessica Cohen, Leila Agha

Barnard College, Columbia University　　　　　　　　　　　2017

B.A. in Economics with Honors, *magna cum laude*

SELECTED PUBLICATIONS

Baum, S, Agha L, Menzies N, and Cohen J. (2025) Association of prenatal syphilis screening mandates with maternal syphilis case detection. *Under review.*

Baum, S, Pelissari D et al. (2024) Surveillance for TB drug resistance using routine rapid diagnostic testing data: Methodological development and application in Brazil. *PLOS Computational Biology.*

Baum, S and Benshaul-Tolonen A. (2021) Extractive Industries and Gender Equality. *Review of Environmental Economics and Policy.*

Baum, S, Reddy V, Vora N, et al. (2020) Cost comparison between two responses to Hepatitis A virus incidents in restaurant food handlers—New York City, 2015 and 2017. *Journal of Public Health Management and Practice.*

WORK IN PROGRESS

Baum, S. Selection and surveillance: Linking shocks to safety net health care access and STI case detection

Baum, S. Physician responses to changes in local epidemiology: A movers design leveraging shocks to Lyme disease risk

Baum, S and Menzies N. Identifying pathways to TB drug resistance in Brazil

GRANTS & FELLOWSHIPS

NIH National Institute of Allergy and Infectious Diseases T32 Award (2023-2026)

Princeton in Africa Fellowship (2018-2019)

TEACHING

Introduction to Economics with Applications to Health and Development
Harvard School of Public Health - Margaret McConnell (2024), James Potter (2025)

Econometric Methods for Health Policy
Harvard School of Public Health - Nidhiya Menon (2025)

RELEVANT EXPERIENCE

Consultant, Mark Clapp　　　　　　　　　　　　Mass General Brigham
2025 - Current　　　　　　　　　　　　　　　　　　　　Boston, MA

Research Assistant, Nicolas Menzies　　　Harvard School of Public Health
2023 - Current　　　　　　　　　　　　　　　　　　　　Boston, MA

Health & Policy Research Assistant　　　　　　　　EcoHealth Alliance
2021 - 2022　　　　　　　　　　　　　　　　　　　　　New York, NY

Senior Policy Associate 2019 - 2021	Abdul Latif Jameel Poverty Action Lab (J-PAL at MIT) Cambridge, MA
Research Fellow 2018 - 2019	Population Services International Johannesburg, South Africa
Research Assistant, Anja Tolonen 2017 - 2019	Economics Dept., Barnard College New York, NY
Consultant 2017 - 2018	New York City Department of Health New York, NY
Intern - HIV, Health & Development 2017	UN Development Programme New York, NY

CONFERENCES   Global Health Security (2022)
World Bank Land and Poverty Conference (2018)
Consortium of Universities for Global Health (2016)

SKILLS   **Technical**: R, Stata, ArcGIS, LaTeX
Languages: English (Native), French (Intermediate)