

# 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: 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  
Boston, MA

2025 - Current

### Research Assistant, Nicolas Menzies

Harvard School of Public Health  
Boston, MA

2023 - Current

### Health & Policy Research Assistant

EcoHealth Alliance  
New York, NY

2021 - 2022

**Senior Policy Associate**  
Abdul Latif Jameel Poverty Action Lab  
(J-PAL at MIT)  
Cambridge, MA  
2019 - 2021

**Research Fellow**  
Population Services International  
Johannesburg, South Africa  
2018 - 2019

**Research Assistant, Anja Tolonen**  
Economics Dept., Barnard College  
New York, NY  
2017 - 2019

**Consultant**  
New York City Department of Health  
New York, NY  
2017 - 2018

**Intern - HIV, Health & Development**  
UN Development Programme  
New York, NY  
2017

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

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