

Sarah Baum

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EDUCATION

Harvard T.H. Chan School of Public Health, Boston, MA

Ph.D. in Population Health Sciences, Current

Field of Study: Global Health & Population (Specializations: Economics & Infectious Diseases)

Barnard College, Columbia University, New York, NY

Bachelor of Arts, Economics, 2017

EMPLOYMENT

Health & Policy Research Assistant

EcoHealth Alliance

Jul 2021 - Jul 2022

New York, NY

- Managed research project identifying and evaluating coordinated, multi-sectoral strategies to strengthen health security on the African continent
- Oversaw management of database encompassing public health, animal health, environmental, and socioeconomic data; data analysis; and visualization in R
- Authored scientific publications in collaboration with country partners and developed and disseminated recommendations for future investment to policymakers
- Conducted economic analysis of interventions to prevent, detect, and respond to Rift Valley Fever in South Africa
- Analyzed data for projects on pandemic preparedness and antimicrobial resistance with the World Bank

Senior Policy Associate

Abdul Latif Jameel Poverty Action Lab at

MIT (J-PAL)

Aug 2019 - Jul 2021

Cambridge, MA

- Synthesized lessons from randomized controlled trials of environment, energy, and climate change programs and conducted policy outreach to policymakers and NGOs
- Cultivated new partnerships between academics, NGOs, and governments to design, pilot, evaluate, and scale effective poverty alleviation policies and programs
- Worked with PIs to design research agenda for \$25 million climate research and policy funding initiative and managed bi-annual funding competitions
- Worked with senior leadership on increasing diversity of J-PAL's network of over 200 junior researchers

Research, Monitoring, & Evaluation Fellow

Population Services International

Nov 2018 - Jul 2019

Johannesburg, South Africa

- Supported monitoring and evaluation efforts in 6 countries for HIV Self-Testing Africa (STAR) Initiative, including data reporting and data quality audits
- Facilitated DHIS2 piloting and roll-out among VMMC mobilizers in South Africa
- Designed study instruments, analyzed quantitative data in Stata, and prepared IRB submissions and grant applications for 8 country offices
- Collaborated with country offices to disseminate findings through reports, publications, and conference presentations

Economic Research Assistant

Barnard College

May 2017 - Jul 2019

New York, NY

- Co-authored peer-reviewed publication on the gender impacts of extractive industries
- Consulted for the Natural Resource Governance Institute to quantitatively assess linkages between Resource Governance Index and gender equality

Consultant

New York City Department of Health

Jul 2017 - Jul 2018

New York, NY

- Oversaw cost analysis comparing different responses to Hepatitis A cases
- Synthesized use cases of Regional Health Information Organizations in surveillance activities informed by focus groups with surveillance experts

Health & Innovative Financing Intern

Jun 2017 - Nov 2017

United Nations Development Program,
HIV, Health and Development Group
New York, NY

- Wrote briefs to engage non-health ministries in multi-sectoral responses to NCDs
- Performed literature reviews, collated empirical findings, and collaborated in drafting guidance note on integrating co-morbidities into the Global Fund's TB programming

Health & Policy Intern

Jan 2015 - Nov 2016

EcoHealth Alliance
New York, NY

- Led and published systematic review assessing effectiveness and state of evaluation of One Health interventions

PUBLICATIONS **Baum, Sarah** and Anja Benschaul-Tolonen (2021). "Extractive Industries and Gender Equality," *Review of Environmental Economics and Policy*.

Baum, Sarah, Vasudha Reddy, Neil M Vora, Sharon Balter, Demetre Daskalakis, Oxiris Barbot, Mark Misener, Jennifer Rakeman, John Rojas, David Starr, HaeNa Waechter, Jane Zucker, and David Lee (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*.

Baum, Sarah, Catherine Machalaba, Peter Daszak, Robert H Salerno, and William B Karesh (2017). "Evaluating One Health: Are we demonstrating effectiveness?" *One Health*.

Machalaba, Catherine, Christina Romanelli, Peter Stoett, **Sarah Baum**, Timothy A Bouley, Peter Daszak, and William B Karesh (2015). "Climate change and health: Transcending silos to find solutions," *Annals of Global Health*.

CONFERENCES

- 2022: Global Health Security
- 2018: World Bank Land and Poverty Conference
- 2016: Consortium of Universities for Global Health

FELLOWSHIPS AND GRANTS

2018-2019 Princeton in Africa Fellowship
Travel Grant, Project on Resources and Governance, 8,000 USD
Internship Grant, Tow Foundation Public Service Program, 2,500 USD
Internship Grant, Shirley Estabrook Wood Fund, 2,500 USD

SKILLS

Technical: R, Stata, ArcGIS, \LaTeX
Languages: French (Intermediate)