

# Maitreyi Sahu

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## PROFILE

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My research uses ‘big data’ to better understand how to expand affordable, equitable, and high-value access to medicines domestically and globally. My doctoral training is in multi-disciplinary quantitative methods. I also served for over a decade as a field epidemiologist and health economist for infectious disease programs.

## EDUCATION

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**University of Washington**, Seattle, WA exp. 2024

PhD, Health Metrics Sciences – Social Statistics Concentration (GPA: 3.93 / 4.0)

- COURSEWORK: Epidemiology I-III, Biostatistics I-II, Global Health Methods I-III, Mathematical Statistics, Maximum Likelihood Estimation, Spatial Statistics, Hierarchical Modelling, Survey Methods, Time Series, Implementation Science, Bayesian Statistics, Multivariable Calculus, Linear Algebra
- THESIS TOPIC: *US county-level pharmaceutical spending and racial disparities in access and utilization*

**Johns Hopkins School of Public Health**, Baltimore, MD May 2013

MSPH, International Health – Global Disease Epidemiology and Control

- MASTER’S ESSAY: *Novel diagnostic tests for tuberculosis (TB) in Malawi: A cost-effectiveness analysis*

**Johns Hopkins University**, Baltimore, MD May 2010

BA, Public Health – Biomedical Sciences (with honors)

- HONORS THESIS: *Environmental risk factors for TB in Klerksdorp, South Africa: A case-control study*

## EXPERIENCE (details on pgs.8-10)

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**Institute for Health Metrics & Evaluation**, Univ. of Washington, Seattle, WA

- Research Scientist and Co-Investigator, US Pharmaceutical Expenditure 10/2023-present
- Research Associate, US Disease Expenditure 2021-23
- Research Associate, Global Health Expenditure 2019-20

**Mass General Hospital / Univ. of Washington**, Research Consultant (HIV), remote 2020-present

**Swiss Tropical & Public Health Institute**, Research Associate (Malaria/NTDs), Basel, CH 2018-19

**Ebola Response Consortium**, Surveillance Program Manager, Freetown, Sierra Leone 2016-17

**Guinea Worm Eradication Program**, Technical Advisor, Kauto, South Sudan 2014-15

**Johns Hopkins School of Medicine**, Sr. Research Coordinator (TB), Blantyre, Malawi 2013-14

**The Global Fund**, Impact Evaluation Intern (HIV/TB/Malaria), Geneva, CH 2013 (6 mo)

**Johns Hopkins School of Public Health**, Research Assistant (TB), Baltimore, MD 2012-13

**NYC Department of Health**, Epi Scholars Intern (TB), New York, NY 2012 (3 mo)

**Johns Hopkins School of Medicine**, Program Coordinator (TB/HIV), Baltimore, MD 2010-12

VOLUNTEER WORK: Baltimore City Health Department Needle Exchange Program (2009-13)

FIELD WORK: South Africa, Lesotho, Malawi, South Sudan, Sierra Leone, India, Benin

## SKILLS & INFORMATION

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SOFTWARE	R, Stata, L <sup>A</sup> T <sub>E</sub> X, TreeAge, Git
LANGUAGE	Spanish (Intermediate/B2)
NATIONALITY	US Citizen

## TEACHING

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2023 Spring	<b>University of Washington</b> Health Economics & Systems in LMICs (HMS 540), TA for Dr. Haakenstad
2018 Fall	<b>Swiss Tropical and Public Health Institute</b> Epidemiology (11654), Tutor for Dr. Daniel Mäusezahl
2013 Spring, 2011 Fall, 2010 Fall	<b>Johns Hopkins School of Public Health</b> Epidemiologic Basis for TB Control (340.612), TA for Dr. Golub

## HONORS & FUNDING AWARDS

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2023	Graduate Student Equity & Excellence Award, University of Washington <i>Competitive award based on academic merit and departmental contributions (\$4500)</i>
2019-23	Predoctoral Research Assistantship, UW Department of Health Metrics Sciences <i>Tuition and stipend support covering four academic years</i>
2022	Global Opportunities Health Fellowship, UW Global Health Department <i>Travel award supporting summer research visit to Switzerland (\$2500)</i>
2011-13	Senatorial Scholarship, Maryland Higher Education Commission Delegate Scholarship, Maryland Higher Education Commission
2012	Global Health Field Research Award, Johns Hopkins School of Public Health <i>Travel award supporting master's field work (\$3500)</i>
2010	General University Honors, Johns Hopkins University Departmental Honors in Public Health, Johns Hopkins University Poster Prize, Global Health Day, Johns Hopkins School of Public Health
2009	Merck Undergraduate Global Health Award, Johns Hopkins University <i>Travel award supporting summer research in South Africa (\$5000)</i>

## CERTIFICATES

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2022	Social Statistics, Center for Statistics and the Social Sciences, University of Washington
2013	Vaccine Science and Policy, Johns Hopkins Bloomberg School of Public Health

## PUBLICATIONS

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### PEER-REVIEWED ARTICLES

1. **Sahu M\***, Bayer C\*, Roberts DA, van Rooyen H, van Heerden A, Shahmanesh M, Asiimwe S, Sausi K, Sithole N, Ying R, Rao D, Krows M, Shapiro AE, Baeten J, Celum C, Revill P, Barnabas RV. "Population health impact, cost-effectiveness, and affordability of community-based HIV treatment and monitoring in South Africa: a health economics modelling study." *PLOS Glob Public Health*. Sep 2023. \*Equal contribution. Link
2. Global Burden of Disease 2021 Health Financing Collaborators [including **Sahu M**]. "Global investments in pandemic preparedness and COVID-19: development assistance and domestic spending on

- health between 1990 and 2026.” *Lancet Glob Health*. Jan 2023. Link
3. Local Burden of Disease HIV Prevalence Collaborators [including **Sahu M**]. “Mapping age- and sex-specific HIV prevalence in adults in sub-Saharan Africa, 2000–2018.” *BMC Medicine*. Dec 2022. Link
  4. Global Burden of Disease 2019 Healthcare Access and Quality Collaborators [including **Sahu M**]. “Assessing performance of the Healthcare Access and Quality Index, overall and by select age groups, for 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019.” *Lancet Glob Health*. Oct 2022. Link
  5. Johnson E, Wojtesta M, Crosby S, Duber H, Jun E, Lescinsky H, Nguyen P, **Sahu M**, Thomson A, Tsakalos G, Weil M, Haakenstad A, Mokdad A, Murray CJL, Dieleman J. “Varied health spending growth across US states was associated with income, price levels, and Medicaid expansion.” *Health Affairs*. Aug 2022. Link
  6. Durizzo K, Harrtgen K, Tediosi F, **Sahu M**, Joachim A, Salari P, Günther I. “Towards mandatory health insurance in low-income countries? An analysis of claims data in Tanzania.” *Health Econ*. Aug 2022. Link
  7. Morozoff C, Avokpaho E, Kaliappan SP, Simwanza J, Gideon SP, Lungu W, Houngnegnon P, Galaktionova K, **Sahu M**, Kalua K, Luty A, Ibikounle M, Bailey R, Pullan R, Ajjampur SSR, Walson J, Means AR. “Costs of community-wide mass drug administration and school-based deworming for soil-transmitted helminths: evidence from Benin, India, and Malawi.” *BMJ Open*. Jul 2022. Link
  8. Global Burden of Disease 2019 Human Resources for Health Collaborators [including **Sahu M**]. “Measuring the availability of human resources for health and its relationship to universal health coverage: estimates for 204 countries and territories from 1990 to 2019.” *Lancet*. May 2022. Link
  9. Dieleman J, Chen C, Crosby S, Liu A, McCracken D, Pollock I, **Sahu M**, Tsakalos G, Dwyer-Lindgren L, Haakenstad A, Mokdad A, Roth G, Scott KW, Murray CJL. “US Healthcare Spending by Race and Ethnicity, 2002-2016.” *JAMA*. Aug 2021. (*Media attention: New York Times, CNN, Forbes*) Link
  10. Global Burden of Disease Health Financing Collaborators [including **Sahu M**]. “Tracking development assistance for health and for the COVID-19 pandemic: a review of development assistance, government, out-of-pocket, and other private spending for 204 countries, 1990–2050.” *Lancet*. Sep 2021. Link
  11. Galaktionova K, **Sahu M**, Gideon SP, Kaliappan SP, Morozoff C, Ajjampur SSR, Walson J, Means AR, Tediosi F. “Costing interventions in the field: preliminary cost estimates and lessons from an evaluation of community-wide Mass Drug Administration for elimination of Soil-Transmitted Helminths in the DeWorm3 trial.” *BMJ Open*. Jul 2021. Link
  12. Local Burden of Disease HIV Collaborators [including **Sahu M**]. “Subnational mapping of HIV incidence and mortality among adults aged 15-49 in sub-Saharan Africa, 2000-18.” *Lancet HIV*. Jun 2021. Link
  13. Dieleman J, Kaldjian A, **Sahu M**, Chen C, Liu A, Chapin A, Scott KW, Aravkin S, Zheng P, Mokdad A, Murray CJL, Schulman K, Milstein A. “Estimating healthcare delivery system value for each US state and testing key associations.” *Health Serv Res*. May 2020. (*One of HSR’s top downloaded articles*) Link
  14. **Sahu M**, Tediosi F, Noor AM, Aponte JJ, Fink G. “Health Systems and Global Progress towards

Malaria Elimination.” 2000-2016. *Malar J*. Apr 2020. Link

15. Su Y, Garcia Baena I, Harle AC, Crosby SW, Micah AE, Siroka A, **Sahu M**, Tsakalos G, Murray CJL, Floyd K, Dieleman J. “Tracking total spending on tuberculosis by source in low- and middle-income countries, 2000–2017: an economic modelling study.” *Lancet Infect Dis*. Apr 2020. Link
16. Global Burden of Disease Health Financing Collaborators [including **Sahu M**]. “Health spending and spending on HIV/AIDS, tuberculosis, and malaria, and development assistance for health: progress towards Sustainable Development Goal 3.” *Lancet*. Apr 2020. Link
17. Zwerling A\*, **Sahu M\***, Ngwira L, Khundi M, Harawa T, Corbett L, Chaisson R, Dowdy D. “Screening for tuberculosis among adults newly diagnosed with HIV in sub-Saharan Africa: a cost-effectiveness analysis.” *J Acquire Immun Defic Syndr*. Jun 2015. \*Equal contribution. Link
18. Tiam A, Machekano R, Gounder CR, Maama-Maime LB, Ntene-Sealiete K, **Sahu M**, Isavwa A, Oyebanji O, Ahimbisibwe A, Mokone M, Barnes GL, Chaisson RE, Guay L, Kassaye S. “Preventing tuberculosis among HIV-infected pregnant women in Lesotho: the case for rolling out Active Case Finding and Isoniazid Preventive Therapy.” *J Acquire Immun Defic Syndr*. Sep 2014. Link

#### MANUSCRIPTS IN PROGRESS

19. Heitner J, Roberts DA, van Rooyen H, van Heerden A, **Sahu M**, Shahmanesh M, Asiimwe S, Krows M, Schaafsma T, Sausi K, Barnabas RV. “Weak responsiveness of the EQ-5D-3L in differentiating health-related quality of life for people with HIV initiating care in Uganda and South Africa.” (Submitted)
20. Crosby S, McHugh T, Wojtesta M, Beauchamp M, Duber H, Johnson E, Lescinsky H, Nguyen P, Pollock I, **Sahu M**, Weil M, Mokdad A, Dwyer-Lindgren L, Haakenstad A, Roth G, Murray C, Dieleman J. “Differences in US health care spending across income quintiles: 2007–2016.” (Submitted)
21. **Sahu M**, Szapiro A, van Rooyen H, Asiimwe S, Shahmanesh M, Roberts DA, Krows M, Sausi K, Sithole N, Schaafsma T, Baeten J, Celum C, Shapiro AE, van Heerden A, Barnabas RV. “Cardiovascular risk among people accessing community- and facility-based HIV care in South Africa: evidence from a randomized trial.” (Under internal review)
22. **Sahu M** et al. “Mapping drugs to diagnoses: an application to US commercial and Medicare prescription claims for 2010-2019.” (In preparation)
23. **Sahu M**, Fink G, et al. “Subnational spending on HIV and disease burden in Kenya.” (In preparation)
24. Dieleman J, Lescinsky H, **Sahu M**, et al. “Estimating time trends in US state-level healthcare value and their association with key health system characteristics and policies.” (In preparation)
25. **Sahu M** et al. “Hospital market concentration, 2000-2019: A comparison of methods to estimate the Herfindahl-Hirschman index.” (In preparation)

#### REPORTS

1. Noor AM, Aponte J, Odugleh-Kolev A, Buj V, Chen I, Fink G, **Sahu M**, Steketee R, Coutinho A, Makubalo L, Tanner M. ‘Health systems readiness for malaria elimination and eradication’ in *Malaria eradication: benefits, future scenarios feasibility*. WHO: 20 Apr 2020, pp. 52-58. Link

2. WHO Strategic Advisory Group on Malaria Eradication. *Malaria eradication: benefits, future scenarios and feasibility. Executive summary*. WHO; 23 Aug 2019. [Link](#)
3. The Global Fund to Fight AIDS, TB and Malaria. ‘Technical Evaluation Reference Group Report: Lessons learned from the transition to the New Funding Model in El Salvador, Myanmar and Zimbabwe.’ September 2013. [Internal Report]
4. Shapiro A, Chakravorty R, Akande T, Lonnroth K, Golub JE (added contributions from **Sahu M**). *A systematic review of the number needed to screen to detect a case of active tuberculosis in different risk groups*. WHO; 25 Jan 2013. [Link](#)

#### TEXTBOOK CONTRIBUTIONS

1. **Sahu M.** (2019). ‘Case study on Health Systems and Ebola’ in Missoni E, Pacileo G, Tediosi F. *Global Health Governance and Policy: An Introduction*. Abingdon-on-Thames: Routledge, pp.252-256. [Link](#)

#### PUBLISHED ABSTRACTS

1. Higgins EM, Polich E, **Sahu M**, Mearns S, Ratnayake R. ‘Sustaining community event-based surveillance in Sierra Leone.’ *Online Journal of Public Health Informatics*. Vol. 9 No. 1; May 2017. [Link](#)
2. Higgins EM, Polich E, **Sahu M**, Mearns S. ‘Community event-based surveillance (CEBS) for Ebola virus disease (EVD) in Sierra Leone: Alert demographics by sex and age, February 2015-June 2016.’ *International Journal of Infectious Diseases*. Vol. 53, S115; Dec 2016. [Link](#)

#### OPEN-SOURCE DATABASES

1. Fullman N, Adolph A, Amano K, Bang-Jensen B, Magistro B, Reinke G, **Sahu M**, Wilkerson J. State-level social distancing policies in response to the 2019 novel coronavirus in the US. (2020). [Link](#)

#### PRESENTATIONS & WORKSHOPS

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#### CONFERENCES (AS PRESENTING AUTHOR)

1. **Sahu M**, Weil M, Crosby S, Dieleman J. “Off-label prescription drug utilization and spending in the US, 2010-2019.” (Poster). AcademyHealth. Seattle. June 2023. [Link](#)
2. **Sahu M**, Weil M, Crosby S, Dieleman J. “Variation in spending and utilization on off-label prescribing by payer in the US.” (Oral Presentation). ASHEcon. St. Louis. June 2023. [Link](#)
3. **Sahu M**, Szapiro A, van Rooyen H, et al. “Cardiovascular risk among people accessing differentiated HIV care in South Africa.” (Poster). CROI. Seattle. Feb 2023. [Link](#)
4. **Sahu M**, Lescinsky H, Crosby S, et al. “Estimating US state-level healthcare value and its association with key health system characteristics and policies. (Poster). AcademyHealth. DC. June 2022.
5. Johnson EK, **Sahu M**, Dieleman J. “Varied health spending growth across US states was associated with income, price levels, and Medicaid expansion.” (Poster). AcademyHealth. DC. June 2022.
6. Crosby S, McHugh T, et al [including **Sahu M**]. “Differences in US health care spending across income

- quintiles: 2007–2016.” (Poster). AcademyHealth. June 2022.
7. **Sahu M**, Bayer C, Roberts DA, et al. “Cost-effectiveness of community delivery of HIV care in South Africa.” (Virtual Poster). IAS Conference on HIV Science. Jul 2021. [Link](#)
  8. **Sahu M**, Chapin A, Chen C, et al. “Measuring Health Care Spending in the US by Payer and Health Condition, 1996-2016.” (Virtual Poster). AcademyHealth. June 2020. [Link](#)

#### INVITED TALKS

1. University of North Carolina Gillings School of Public Health. “Affordable Drug Policy and the Inflation Reduction Act: Research Directions and Data Sources.” Chapel Hill, NC (Virtual). Oct 2023.
2. Harvard Center for AIDS Research. “Cost-effectiveness and cardiovascular risk in the DO ART Study of community delivery of HIV treatment in South Africa.” Brigham and Women’s Hospital HIV/AIDS Conference [1 CME credit from Mass General Brigham]. Boston, MA (Virtual). Oct 2023.
3. Fred Hutchinson Cancer Research Center. “Measuring US health spending: The data and estimation process.” Data of Cancer Research Seminar. Seattle, WA (Virtual). Apr 2022.
4. Imperial College London. “Costing Mass Drug Administration to eliminate STH in India, Benin and Malawi.” DeWorm3 Economic Evaluation Outcomes Meeting. London, UK. Jun 2018.
5. Johns Hopkins School of Public Health. “Guinea Worm in South Sudan: Eradicating a Disease in a Challenging Environment.” Seminar on Alumni Experiences. Baltimore, MD. Nov 2017.
6. Wageningen University. “Community Event-Based Surveillance for Ebola Virus Disease in Sierra Leone.” One Health Workshop, Department of Development Economics. The Netherlands. Aug 2016.
7. World Health Organization. “Modelling lives saved by Global Fund malaria programmes: A review of the literature.” Global Malaria Programme. Geneva, CH. Oct 2013.

#### DEPARTMENTAL PRESENTATIONS

1. UW CFAR International Clinical Research Center. “Cardiovascular disease risk in clients accessing HIV care in the DO ART Study in South Africa.” Seattle, WA (Virtual). Nov 2022.
2. UW Center for Studies in Demography & Ecology. “Subnational spending on HIV/AIDS and disease burden in Kenya and South Africa, 2010-17.” Seattle WA (Virtual). March 2022. [Link](#)
3. UW CFAR Health Economics Workshop. “Cost-effectiveness analysis using mathematical models: An example from community delivery of HIV care.” Seattle WA (Virtual). April 2021. [Link](#)
4. NYC Department of Health. “Effects of Smoking Tobacco on Tuberculosis Diagnosis, Treatment and Care, 2004-11.” Epi Scholars Annual Seminar. New York, NY. Aug 2012.
5. Johns Hopkins University. “Environmental Risk Factors for TB in South Africa.” (Oral Presentation & Poster). Undergraduate Conference in Public Health. May 2010.
6. Johns Hopkins School of Public Health. “TB/HIV Co-Infection in South Africa.” (Poster). Global Health Day. **Winner of Poster Prize** as undergraduate, among MPH and Ph.D posters. Apr 2010.

7. National Institute on Aging, National Institutes of Health. "Beta amyloid level in blood plasma in Alzheimer's subjects." NIH Summer Internship Program (SIP) Meeting. Baltimore, MD. Aug 2007.

#### OTHER MEETINGS ATTENDED

May 2023	The Future of Drug Pricing, Leonard Davis Institute, UPenn, Philadelphia, PA
Nov 2022	Workshop on Navigating Academic Careers in Global Health Economics (Virtual)
Nov 2022	American Society of Tropical Medicine and Hygiene (ASTMH), Seattle, WA
Aug 2021	Center for AIDS Research (CFAR) Manuscript Writing Workshop, UW, Seattle, WA
Feb 2021	Intro to the Use of Medicare Data for Research, ResDAC, Univ. of Minnesota (Virtual)
Jul 2019	International Health Economics Association (iHEA) Meeting, Basel, CH
Nov 2017	American Society of Tropical Medicine and Hygiene (ASTMH), Baltimore, MD
Jun 2017	Operations Research Writing Workshop, Concern Worldwide, Freetown, Sierra Leone
Aug 2016	One Health Workshop, Wageningen University, The Netherlands
Feb 2011	Conference on Retroviruses and Opportunistic Infections (CROI), Boston, MA

#### **WHO Advisory Group on malaria eradication: ([Link](#))**

Jun 2019	WHO Final Meeting of the Strategic Advisory Group on malaria eradication, Geneva, CH
Nov 2018	WHO 4th Meeting of the Strategic Advisory Group on malaria eradication, Geneva, CH
Aug 2018	WHO Strategic Advisory Group on malaria eradication Meeting, Geneva, CH

#### **CREATE TB/HIV Consortium**

Nov 2012	CREATE Annual Meeting, Baltimore, MD
May 2012	Annual Clinical Care of the Patient with HIV Infection Conference, Baltimore, MD
Mar 2012	WHO TB/HIV Research Frontiers Meeting, Stop TB Partnership, Seattle, WA
Nov 2011	CREATE Annual Meeting, Annecy, France
May 2011	Annual Clinical Care of the Patient with HIV Infection Conference, Baltimore, MD
Mar 2011	CREATE Executive Committee Meeting, LSHTM, London, UK
Feb 2011	WHO TB/HIV Working Group Meeting, Stop TB Partnership, Boston, MA
Nov 2010	CREATE Media Training for Journalists on TB/HIV Research, Johannesburg, South Africa
Nov 2010	CREATE Annual Meeting, Cape Town, South Africa

#### **SERVICE**

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PROFESSIONAL MEMBERSHIPS	International Health Economics Association (iHEA), American Society for Health Economists (ASHEcon), AcademyHealth, International AIDS Society (IAS)
AD HOC REFEREE SERVICE	AIDS (3), BMJ Open, Lancet Regional Health – Americas
AFFILIATIONS	University of Washington Center for AIDS Research (CFAR)

#### DEPARTMENTAL SERVICE

2020-23	<b>IHME Mentorship Program</b> Alison Bowman, 2022-23 (Next position: UW PhD student, Epidemiology) Kate LeGrand, 2020-22 (Next position: LSHTM PhD student, Tuberculosis Modelling) Hannah Han, 2020-21 (Next position: UW PhD student, Epidemiology)
2020-21	<b>IHME Reading Club on Racism, Discrimination and Healthcare</b> (co-facilitator)
2019-2020	<b>IHME Diversity Equity and Inclusion Committee</b> (member)

## **PROJECT DETAILS**

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### RESEARCH GRANTS AWARDED (AS INVESTIGATOR)

#### **Measuring and assessing drivers of racial inequity in US pharmaceutical spending and utilization**

Role: Co-Principal Investigator (with Joseph Dieleman)

Funder: National Pharmaceutical Council

Institution: Institute for Health Metrics & Evaluation

Dates: 9/16/2023 - 9/15/2024

Amount: \$150,000

#### **Health systems readiness for malaria elimination, 2000-2016**

Role: Co-Investigator (with Günther Fink and Fabrizio Tediosi)

Funder: World Health Organization

Institution: Swiss Tropical and Public Health Institute

Dates: 3/2018 - 6/2019

Amount: 14,000 CHF

### OTHER RESEARCH PARTICIPATION (RECENT/ONGOING)

#### **US County Disease Expenditure (DEX)**

Role: Research Associate

Agencies: Peterson Center on Health Care, Gates Ventures

Institution: Institute for Health Metrics & Evaluation

PI: Joseph Dieleman

Dates: 1/2021 -

#### **US State Health Care Value**

Role: Research Associate

Agency: Stanford Clinical Excellence Research Center

Institution: Institute for Health Metrics & Evaluation

PI: Joseph Dieleman (with Arnold Milstein and Kevin Schulman)

Dates: 9/2019 -

#### **Economic Drivers of US Pharmacy Closures**

Role: Analyst

Agency: Pharmaceutical Care Management Association

PIs: Kelly Anderson, Joey Mattingly

Dates: 9/2023 -

#### **Delivery Optimization for Antiretroviral Therapy in South Africa and Uganda (DO ART)**

Role: Research Consultant

Agency: Bill and Melinda Gates Foundation (OPP1134599)

Institution: Mass General Hospital / University of Washington

PI: Ruanne Barnabas (other senior mentors: Paul Revill, Adam Szapiro)

Dates: 6/2020 -

## OTHER RESEARCH PARTICIPATION (COMPLETED)

### **Global Burden of Disease Health Financing Collaborator Network**

Role: Research Associate

Agency: Bill and Melinda Gates Foundation

Institution: Institute for Health Metrics & Evaluation

PIs: Joseph Dieleman, Angela Micah

Dates: 9/2019 – 6/2020

### **US State Social Distancing Policies in Response to COVID-19 ([covid19statepolicy.org](https://covid19statepolicy.org))**

Role: Volunteer Analyst

Institution: University of Washington

PI: Christopher Adolph

Dates: 3/2020 - 6/2020

### **Economic Evaluation of the DeWorm3 Trial in India, Benin and Malawi**

Role: Research Associate

Agency: Bill and Melinda Gates Foundation ([Link](#))

Institutions: University of Washington; Swiss Tropical and Public Health Institute

PIs: Judd Walson, Fabrizio Tediosi, Arianna Rubin Means

Dates: 1/2018 - 8/2019

### **Social Health Protection in Ghana and Tanzania**

Role: Research Associate

Agency: Swiss National Science Foundation (160373) ([Link](#))

Institutions: University of Basel; Swiss Tropical and Public Health Institute

PIs: Fabrizio Tediosi, Isabel Günther

Dates: 1/2018 - 8/2019

### **Screening for TB in rural Malawi using novel diagnostic tests (Chepetsa TB)**

Roles: Senior Research Project Coordinator; Research Assistant

Agency: National Institutes of Health (R01AI093316)

Institution: Johns Hopkins School of Medicine

PIs: Lawrence Moulton, David Dowdy, Liz Corbett

Dates: 9/2012 - 7/2014

### **Implementation of Lesotho's Integrated TB/HIV Screening Guidelines for Pregnant Women**

Roles: Study Coordinator

Agency: Elizabeth Glaser Pediatric AIDS Foundation

Institution: Johns Hopkins School of Medicine

PI: Celine Gounder

Dates: 1/2011 - 6/2012

### **Consortium to Respond Effectively to the AIDS/TB Epidemic (CREATE)**

Role: Administrative Coordinator

Agency: Bill and Melinda Gates Foundation ([Link](#))

Institution: Johns Hopkins School of Medicine

PI: Richard Chaisson

Dates: 8/2010 - 6/2012

**Systematic Review of Number Needed to Screen to Detect Active TB**

Role: Volunteer Data Abstractor

Agency: World Health Organization

Institution: Johns Hopkins School of Medicine

PIs: Adrienne Shapiro, Jonathan Golub

Dates: 8/2010 - 6/2011

**Household Contact Tracing for TB/HIV in Klerksdorp, South Africa**

Role: Undergraduate Global Health Scholar / Data Collection Assistant

Agencies: Merck, USAID

Institution: Johns Hopkins University

PIs: Adrienne Shapiro, Jonathan Golub, Neil Martinson, Richard Chaisson

Dates: 6/2009 - 5/2010

**Control of micronutrient deficiency in Bangladesh (JiVitA-2)**

Role: Summer Data Management Intern

Agency: Bill and Melinda Gates Foundation (OPP614)

Institution: Johns Hopkins Bloomberg School of Public Health

PI: Keith West

Dates: 6/2008 - 8/2008

**Healthy Aging in Diverse Neighborhoods in Baltimore (HANDLS)**

Role: Laboratory Research Student & NIH Intramural Research Summer Intern

Agency: National Institute on Aging, National Institutes of Health

Institution: National Institute on Aging (Molecular Dynamics Section)

PI: Joseph Rifkind

Dates: 12/2006 - 01/2008

OTHER GRANT PARTICIPATION (COMPLETED)**Community Event-Based Surveillance for Ebola Virus Disease in Sierra Leone**

Role: Program Manager

Agency: USAID

Institutions: International Rescue Committee / Ebola Response Consortium

Dates: 6/2016 - 8/2017

**Maintaining a “Resilient Zero” to improve Sierra Leone’s early detection and response to Ebola**

Role: Program Manager

Agency: UK DfID

Institutions: International Rescue Committee / HealthCo Consortium

Dates: 6/2016 - 8/2017