# SHAON LAHIRI

**Summary**

I am a social and behavioral scientist in the field of public health. I study social processes across a number of behaviors that impact health, such as modern contraceptive use, intimate partner violence, Pre-Exposure Prophylaxis use, and tobacco consumption. My focus area is on the measurement, conceptualization, and influence of social norms on behavior across a variety of settings and contexts.

I focus on bridging health behavior theory with a range of rigorous quantitative statistical approaches. Currently, I am most interested in social network analysis methods to understand normative change and reference group topology, latent variable analysis methods for longitudinal data (traditional SEMs and latent growth models), Bayesian regression (especially using informative priors) and visualization, and meta-analysis methods.

## 🎓 EDUCATION

**Ph.D. Social & Behavioral Sciences in Public Health**
The George Washington University 📍 Washington, DC, USA
Summer 2022 (Expected)

**M.P.H. (Global Health)**
Imperial College London 📍 London, United Kingdom
2014

**Certificate in Developing Health Systems**
WHO Collaborating Centre at Imperial College London 📍 London, United Kingdom
2014

**B.A. Psychology**
The University of Michigan - Ann Arbor 📍 Ann Arbor, MI, USA
2012

## 💼 PROFESSIONAL EXPERIENCE

**Graduate Teaching Assistant**
Milken Institute School of Public Health, The George Washington University
📍 Washington, DC, USA
2018 | Present
Seven semesters of ongoing teaching assistance covering course content development, leading teaching sessions, leading discussions, grading, and other activities for a number of courses (See Teaching Experience section).

**Short-Term Consultant - Mind, Behavior, Development (eMBeD) group**
The World Bank 📍 Washington, DC, USA
Summer 2020
Survey design and data analysis for internet survey on social norms around household behaviors and COVID-19 socioenvironmental impacts conducted in Jordan, Tunisia, and Morocco. Continued development of working paper on social norms measurement and analytical methods.

**Short-Term Consultant - Mind, Behavior, Development (eMBeD) group**
The World Bank 📍 Washington, DC, USA
Summer 2019
Data analysis of social norms projects in Jordan, Kurdistan, and Republic of Georgia. Estimation of treatment effects from intervention to reduce fertility bias in Republic of Georgia. Dissemination of findings to World Bank country office teams. Sole author of working paper on interdisciplinary social norms measurement and analysis methods.

**Research Assistant**
Milken Institute School of Public Health, The George Washington University
📍 Washington, DC, USA
Summer 2019
Systematic screening and data extraction of Social and Behavior Change Communication (SBCC) interventions. Conducted with colleagues from Johns Hopkins University, New York University, and UNICEF.

## CONTACT

🌐 www.shaonlahiri.com
✉ shaon@gwu.edu
🎓 Google Scholar
👁 OSF
in LinkedIn
ⓘ ORCID
Github

## SKILLS

Experienced in a broad suite of social & behavioral research methods with a focus on quantitative analysis.

Expertise in behavioral science studies across diverse domains including family planning, intimate partner violence, HIV risk reduction, female labor force participation, climate change mitigation, mental health, sanitation uptake, and tobacco use.

Skilled in R and RMarkdown (in which this CV was created), Stata, SPSS, Mplus, NVivo, Zotero, and Covidence.

**Research Associate**
International Initiative for Impact Evaluation (3ie)  📍 New Delhi, India

2016 | 2018

Grant co-author and program management for $3 million WASH program funded by the Gates Foundation. Program management for nine formative evaluations, four impact evaluations, and one measurement study. Lead-author of systematic review of interventions to promote latrine use in rural India. Development of pre-analysis plan and report templates. Co-author of systematic review on the use of mixed-methods in impact evaluations. Grant co-author and program management for $940,000 program to promote use of evidence in policy in Francophone West Africa.

**Project Assistant**
UNICEF Oman  📍 Muscat, Oman

2014 | 2015

Project assistance and knowledge management for development of a national strategy on social development. Coordination between UNICEF, consultants, and line ministries. Development of partnerships with private sector on behalf of line ministries. Administrative support for implementation of program activities in health, education, and social development.

**Psychiatric Intern**
Sultan Qaboos University Hospital  📍 Muscat, Oman

February | April 2013

Support to resident psychiatrist during individual client sessions. Manuscript review for mental health projects in the Middle East. Co-author of publication on complimentary and alternative treatment for epilepsy in Oman.

**Research Assistant**
Addiction Research Center, University of Michigan  📍 Ann Arbor, MI, USA

2010 | 2012

Data entry and cleaning for longitudinal project on alcohol dependent individuals. Literature reviews related to alcohol addiction trajectories. Assistance to qualitative study on the use of positive psychology in treatment manuals for alcohol dependence.

## 🖼 SELECTED PUBLICATIONS

2021

**Does the Belief That Contraceptive Use Causes Infertility Actually Affect Use? Findings from a Social Network Study in Kenya.**
Sedlander, E., Bingenheimer, J., **Lahiri, S.**, Thiongo, M., Gichangi, P., Munar, W., & Rimal, R. (2021). *Studies in Family Planning*. https://doi.org/10.1111/sifp.12157.

2021

**Multidisciplinary Team Processes Parallel Natural Disaster Preparedness and Response: A Qualitative Case Study.**
**Lahiri, S.**, Snowden, B., Gu, J., Krishnan, N., Yellin, H., & Ndiaye, K. (2021). *International Journal of Disaster Risk Reduction*, https://doi.org/10.1016/j.ijdrr.2021.102369.

2018

**Mixing and Matching: Using Qualitative Methods to Improve Quantitative Impact Evaluations (IEs) and Systematic Reviews (SRs) of Development Outcomes.**
Jimenez, E., Waddington, H., Goel, N., Prost, A., Pullin, A., White, H., **Lahiri, S.** and Narain, A., (2018). *Journal of Development Effectiveness*, pp.1-22, https://doi.org/10.1080/19439342.2018.1534875.

2018

**Toilets are being constructed at a remarkable pace, but it's not a Prem Katha [Love Story] yet for all sections of the population.**
**Lahiri, S.,** & Menon, R. (2018). Op-Ed for the *Times of India*. Available at: TOI

2017

**The Influence of Humanitarian Crises on Social Functioning among Civilians in Low-and Middle-Income Countries: A Systematic Review.**
**Lahiri, S.**, Van Ommeren, M., & Roberts, B. (2017). *Global Public Health*, 12(12), 1461-1478. https://doi.org/10.1080/17441692.2016.1154585.

2017

**Promoting Latrine Use in Rural India.**
**Lahiri, S.**, Yegbemey, R. N., Goel, N., Mathew, L., & Puri, J. (2017). *3ie Scoping Paper 8*. New Delhi: International Initiative for Impact Evaluation (3ie). https://www.3ieimpact.org/sites/default/files/2019-01/sp8-latrine-use-india.pdf.

2016

**The Art and Science of Winning the Poo War.**
**Lahiri, S.**, & Puri, J. (2016). *Business World*. Available at: http://www.businessworld.in/article/The-Art-And-Science-Of-Winning-The-Poo-War/18-10-2016-107044/.

2013

**Types and Sociodemographic Correlates of Complementary and Alternative Medicine (CAM) Use among People with Epilepsy in Oman.**
Al Asmi, A., Al Maniri, A., Al-Farsi, Y.M., Burke, D.T., Al Asfoor, F.M., Al Busaidi, I., Al Breiki, M.H., **Lahiri, S.**, Braidy, N., Essa, M.M. & Al-Adawi, S. (2013). *Epilepsy & Behavior*, 29(2), pp.361-366. https://doi.org/10.1016/j .yebeh.2013.07.022

## 👥 WORKS UNDER REVIEW OR IN PROGRESS

**Social and Gender Norms Influencing Sexual and Reproductive Health: Conceptual Approaches, Intervention Strategies, and Evidence.**
**Lahiri, S.**, Bingenheimer, J., & Costenbader, E. *Under review at the Oxford Research Encyclopedia of Global Public Health.* This chapter provides a brief overview of social norms conceptual/theoretical approaches used in the field of sexual and reproductive health, followed by an illustration of intervention approaches targeted at different socioecological levels.

**The Role of Social Norms on Adolescent Family Planning in Rural Kilifi County, Kenya.**
**Lahiris, S.**, Bingenheimer, J., Sedlander, E., Munar, W., & Rimal, R. *Under review at PLOS ONE.* Using cross-sectional sociocentric data from adolescents in two Kenyan villages, this study estimates social influence on individual modern contraceptive use. It also estimates the influence of social norms on modern contraceptive use, with particular implications for unmarried young women. This study is a bridge between social network analysis and regression-based empirical approaches to the study of social norms.

**Social Norms Change and Tobacco Use: A Protocol for a Systematic Review and Meta-Analysis of Interventions.**
**Lahiris, S.**, Bingenheimer, J., Evans, W.D., Wang, Y., Dubey, P., & Snowden, B. *Under review at the International Journal of Environmental Research and Public Health.* This is protocol for a systematic review and meta-analysis of social norms interventions that attempt to change tobacco use (initiation, consumption, uptake, or cessation). Particular attention is paid to the social norms change mechanisms employed across interventions.

**Achieving and Sustaining Change Through Capacity Building Train-the-Trainer Health Initiatives in Low- and Middle-Income Countries: A Systematic Review.**
Snowden, B., **Lahiri, S.**, Dutton, R., & Morton, L. *Under review at The Journal of Continuing Education in the Health Professions.* This study systematically reviews the evidence for sustainable and effective training approaches for global health intervention cadres.

**Leveraging Small Samples in Health Communications Using a Bayesian Approach: An Illustration using the Determinants of Pre-Exposure Prophylaxis.**
**Lahiri, S.**, Hull, S., Scott, R., Sinks, H, & Chandler, R. *In preparation for submission to Communication Methods and Measures.* This study illustrates several Bayesian analytical tools that can be used to generate insights from small sample studies. An illustration is provided using data on Pre-Exposure Prophylaxis (PrEP) self-efficacy among a sample of Black women attending a clinic in Washington, DC.

**Improved relationship quality, equitable gender attitudes, and reduced alcohol abuse as key mechanisms to reduce intimate partner violence in the Bandebereho couples' intervention in Rwanda.**
Levtov, R., Doyle, K., Bingenheimer, J., **Lahiri, S.**, Kazimbaya, S., Karamage, E., Sayinzoga, F., et al. *In preparation for submission to Prevention Science.* Using data from a longitudinal field trial, this study uses structural equation modeling to determine the active ingredients and key mechanisms underlying a successful intimate partner violence prevention intervention among couples in Rwanda.

**Social Norms Measurement and Analysis: Some Approaches and Applications**
**Lahiri, S.** & Munoz-Boudet, A.M. *In preparation for submission to World Bank Working Paper Series.* Overview of interdisciplinary social norms measurement and analytical approaches in Stata using social norms data from World Bank projects in Jordan, Morocco, and Kurdistan.

**PhD Dissertation Paper 1: A Latent Growth Modeling Analysis of Social Norms and Tobacco Use among Adult Smokers in Mainland China.**
*In preparation.* Modeling change as a latent process, this study seeks to understand what the relationship between social norms and tobacco use change change is, over time, and what predicts the variation between individuals in this relationship. Several parallel process latent growth curve models are fit to answer research questions. Open Science Framework: https://osf.io/g8q3u.

**PhD Dissertation Paper 2: Social Norms Change and Tobacco Use: A Systematic Review and Meta-Analysis of Interventions.**
*In preparation.* Focusing on the underlying mechanisms of social norms change interventions, this study systematically reviews the experimental and quasi-experimental intervention literature in which social norms interventions (broadly defined) are used to change tobacco use. A random-effects meta-analysis of effect sizes will be constructed. PROSPERO: 2021 CRD42021251535.

## GRANTS AND AWARDS

**2020**

**The Society of Multivariate Experimental Psychology 2020 SMEP Underrepresented Student Workshop Travel Award.**

**2020**

**Berkeley Initiative for Transparency in the Social Sciences (BITSS) acceptance to Research Transparency and Reproducibility Training (RT2).**
Shaon Lahiri: tuition waver and acceptance to training.

**2017**

**William & Flora Hewlett Foundation grant for the West Africa Capacity building and Impact Evaluation program.**
International Initiative for Impact Evaluation (3ie): $940,000. Co-author of grant. Hewlett Foundation Page.

**2016**

**Bill & Melinda Gates Foundation (grant: OPP1148651) for "Promoting Latrine Use in Rural India" program.**
International Initiative for Impact Evaluation (3ie): $3,044,397. Co-author of grant. Gates Foundation page.

**2014**

**Imperial College London Best Dissertation Award**
Shaon Lahiri: Prize for Best Dissertation among the MPH cohort in Imperial College London.

## CONFERENCE PRESENTATIONS

**2021**

**Social norms and tobacco use: Studies of change.**
Filolab 2021 Doctoral Summer School (University of Granada). One hour presentation and Q&A. ♀ Virtual

**2021**

**Social norms and adolescent contraceptive Use in Kenya.**
Population Association of America (PAA) 2021. Presentation delivered by Jeffrey Bingenheimer. ♀ Virtual

**2020**

**Social norms, gender, and power related to PrEP use among Black women in Washington, DC: A Bayesian approach.**
International Social and Behavior Change Communication Summit (SBCC) 2020. Oral Presentation. *Canceled due to COVID*.
♀ Marrakech, Morocco.

**2017**

**3ie latrine use evidence program.**
Panel presentation. Evaluation Conclave 2017. Community of Evaluators South Asia. ♀ Thimphu, Bhutan.

**2016**

**3ie latrine use evidence program.**
Emerging paradigms for WASH service delivery. Indian Institute for Technology - Madras. ♀ Chennai, India.

## SERVICE ACTIVITY

**Fall 2020**

**Research Committee Member**
Milken Institute School of Public Health, The George Washington University.

**2020**

**Faculty Senate Research Committee, Workforce Development Subcommittee**
The George Washington University.

**2020**

**Faculty Senate Research Committee**
The George Washington University

**2018**

**Prevention of Sexual Harassment Committee**
International Initiative for Impact Evaluation (3ie)

## 🖥 TEACHING EXPERIENCE - GEORGE WASHINGTON UNIVERSITY

**Practical Data Management and Analysis for Public Health (Master's students)**
• Adjunct Lecturer. General linear modeling concepts, SPSS data analysis, and basic survey design.
• Fall 2021 (Online)

**Social & Behavioral Approaches to Health (Master's students)**
• Teaching Assistant. Overview and application of health behavior theories and program planning concepts.
• Spring 2019 (In-person)
• Spring 2020 (Hybrid)
• Spring 2021 (Online)
• Fall 2021 (Hybrid)

**Social & Behavioral Science Research Methods (Master's students)**
• Teaching assistant. General linear modeling concepts, applications in SPSS, data analysis, and basic survey design.
• Fall 2018 (In-person)
• Fall 2019 (In-person)
• Fall 2020 (Online)

**Public Health Marketing (Master's students)**
• Teaching Assistant. Overview of public health communication and marketing approaches.
• Fall 2019 (In-person)

**Writing in the Discipline of Public Health (Undergraduate students)**
• Teaching Assistant. Broad overview of public health program concepts with emphasis on grant writing.
• Spring 2019 (In-person)

**Fundamentals of Public Health Program Evaluation (Master's students)**
• Teaching Assistant. Overview of experimental and quasi-experimental approaches to program evaluation in public health.
• Spring 2020 (Hybrid)

## 🖥 TEACHING EXPERIENCE - WORKSHOPS

November 20-21, 2017

**Real-World Impact Evaluation (Master's students).**
Co-taught graduate students of the Korea Development Institute on behalf of International Initiative for Impact Evaluation (3ie). Workshop covered overview of experimental and quasi-experimental study design, intervention design, and measurement aspects of impact evaluations conducted in international development. Approximately 40 participants.

📍 Seoul, Korea

## 📖 SELECTED ADDITIONAL TRAINING

January 4-8, 2021

**Structural Equation Modeling: A First and Second Course.**
*Gregory Hancock*, Center for Integrated Latent Variable Research, University of Maryland, College Park. Overview of measurement, path analysis, multi-group analysis, latent means models, interactions & nonlinear relations, latent growth modeling, and power analysis. Implementation in R.

📍 Virtual

May 12-15, 2020

**Regression Modeling Strategies**
*Frank Harrell*, Department of Biostatistics, Vanderbilt University. Overview of multiple advanced regression approaches with implementation in R.

📍 Virtual

May 6-8, 2020

**Introduction to Structural Equation Modeling**
*Curran-Bauer Analytics*. Overview of factor analysis, path analysis, and structural equation modeling concepts. Implementation in R.

📍 Virtual

**September 21-25, 2020**

**Research Transparency and Reproducibility Training (RT2)**
*Berkeley Institute for Transparency in the Social Sciences (BITSS)*. Overview of multiple aspects related to Research Transparency with an emphasis on research ethics and software implementation of transparency practices.

📍 Virtual

**June 10-14, 2019**

**Managing Successul Impact Evaluations**
*DIME, The World Bank*. Overview of data collection, quality, and management approaches for World Bank field workers.

📍 Washington, DC

**July 10-14, 2017**

**Summer School on Impact Evaluation Methodologies and Causal Inference**
*Luxembourg Institute for Socio-Economic Research (LISER)*. Core Instructors: Donald Rubin, Fabrizia Mealli, and Alfonso-Flores Lagunes. Overview of Rubin Causal Model and related concepts in causal inference and quasi-experimental design.

📍 Esch-sur-Alzette, Luxembourg

**Winter 2010**

**Inside-Out Prison Exchange Program**
*University of Michigan* 13-week undergraduate course. Exploration of stigma and stereotypes with inmates of the Jackson State Prison in Michigan. Exploration of mental health and substance abuse issues using readings and personal narratives.

📍 Jackson State Prison, Michigan

## 👥 PROFESSIONAL SOCIETIES

**2021-Present**

**Society for Prevention Research**
Student Member: 26557.

**2020-Present**

**American Statistical Association**
Student Member: 225366.

**2018-2019**

**Society for Behavioral Medicine**
Student Member.

## 🔤 LANGUAGES

**English (Native)**

**French (Proficient)**
Studied in Oman (The American International School of Muscat), USA (University of Michigan and Alliance Française in Washington DC), and India (Alliance Française in New Delhi).

**Hindi (Proficient)**
Studied in India (HindiGuru Institute in New Delhi).

**Bengali (Basic Speaking)**
Ethnically Bengali; Mother tongue.

**Arabic (Basic Reading, Writing, Speaking)**
Studied in Oman (Polyglot Institute in Muscat).

## ⇄ REFERENCES

**Jeffrey 'Bart' Bingenheimer, PhD, MPH**
Associate Professor, Department of Prevention and Community Health, Milken Institute School of Public Health, The George Washington University. Faculty page. Email: bartbing@gwu.edu.

📍 Washington, DC, USA

**Rajiv N. Rimal, PhD, MA**
Chair and Professor, Department of Health, Behavior, and Society, Johns Hopkins Bloomberg School of Public Health. Faculty Page. Email: rrimal1@jhu.edu.

📍 Baltimore, Maryland, USA