

# Indrani Saran

Boston College School of Social Work  
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## EDUCATION

- 2016 **Sc.D., Harvard T.H. Chan School of Public Health**, Department of Global Health and Population (Health Systems Concentration)  
Dissertation: “Health Behaviors in the Context of Malaria Treatment in Uganda.”
- 2010 **M.A, Yale University**, International Relations
- 2005 **B.A, *summa cum laude*, Amherst College**, Biochemistry

## ACADEMIC APPOINTMENTS

- 2018- Assistant Professor of the Practice: Behavioral Research/Biostatistics, Boston College School of Social Work
- 2016-2018 Postdoctoral Research Associate, Duke Global Health Institute, Duke University

## PUBLICATIONS

**Indrani Saran**, Gunther Fink and Margaret McConnell. “How does anonymous online peer communication affect prevention behavior? Evidence from a Laboratory Experiment.” PLOS One. 2018. Nov; 13(11): e0207679.

Jessica Cohen and **Indrani Saran**. “The Impact of Packaging and Messaging on Adherence to Malaria Treatment: Evidence from a Randomized Controlled Trial in Uganda.” Journal of Development Economics. 2018. Sep. 134: 68-95.

Wendy Prudhomme O'Meara, Diana Menya, Jeremiah Laktabai, Alyssa Platt, **Indrani Saran**, Elisa Maffioli, Joseph Kipkoech, Manoj Mohanan, Elizabeth L Turner. “Improving rational use of ACTs through diagnosis-dependent subsidies: Evidence from a cluster-randomized controlled trial in western Kenya.” PLOS Medicine. 2018. Jul;15(7):e1002607

Laura Winn, Adriane Lesser, Diana Menya, Joy Noel Baumgartner, Joseph Kipkoech, **Indrani Saran**, Wendy P. O'Meara. “Motivation and satisfaction among community health workers administering rapid diagnostic tests for malaria in Western Kenya.” Journal of Global Health. 2018 Jun; 8(1):010401

Ting-Hsuan J. Lee, **Indrani Saran**, Krishna D. Rao, “Aging in India: Financial hardship from health expenditures.”

International Journal of Health Planning and Management. 2017 Dec 12; 1–12

**Indrani Saran**, Elisa M. Maffioli, Diana Menya and Wendy P. O’Meara. “Household beliefs about malaria testing and treatment in Western Kenya: the role of health worker adherence to malaria test results.”

Malaria Journal. 2017 Aug; 16 (1): 349.

**Indrani Saran** and Jessica Cohen. “Disparities between Malaria Infection and Treatment Rates: Evidence from a Cross-sectional Analysis of Households in Uganda.”

PLOS One. 2017 12(2): e0171835.

**Indrani Saran**, Elif Yavuz, Howard Kasozi and Jessica Cohen. “Can Rapid Diagnostic Testing for Malaria Increase Adherence to Artemether-Lumefantrine?: A Randomized Controlled Trial in Uganda.”

American Journal of Tropical Medicine and Hygiene. 2016 Apr;94(4):857-67.

Jason E. Heindl, **Indrani Saran**, Chae-ryun Yi, Cammie F. Lesser, Marcia Goldberg.

“Requirement for formin-induced actin polymerization during spread of *Shigella*.”

Infection and Immunity. 2010 Jan;78(1):193-203.

## **BOOK CHAPTERS**

Gustavo Nigenda, Jose Arturo Ruiz, Christopher H Herbst, Aarushi Bhatnagar, Krishna Rao, **Indrani Saran**, Shomikho Raha. “Analysis and synthesis of information on human resources for health from multiple sources: selected case studies.”

Handbook on Monitoring and Evaluation of Human Resources for Health. Ed. Mario R Dal Poz, Neeru Gupta, Estell Quain and Agnes LB Soucat. Geneva: WHO Press, 2009. 147-155.

## **MANUSCRIPTS UNDER REVIEW**

**Indrani Saran**, Laura Winn, Joseph Kipkoech Kirui, Diana Menya and Wendy P. O’Meara.

“The Relative Importance of Financial and Non-financial incentives for Community Health Workers: Evidence from a Discrete Choice Experiment in Western Kenya.”

Under Review at Social Sciences and Medicine.

## **MANUSCRIPTS IN PREPARATION**

“Clinical Management of Children with Malaria across 8 African Countries: A Cross-Sectional Assessment of Nationally Representative Direct Observation Data” (with Jessica Cohen, Gunther Fink and Hannah Leslie)

“Learning about New Malaria Diagnosis and Treatment Technologies: Evidence from a Longitudinal Cohort of Households in Western Kenya” (with Wendy P. O’Meara)

“The Intergenerational impact of war: Relationships between caregiver trauma as children, attachment, parenting and child self-regulation among offspring in post-conflict Sierra Leone” (with Theresa Betancourt and Robert Brennan).

“The Impact of the Affordable Care Act on Uptake of Long Acting Reversible Contraceptives: Evidence from Maine, New Hampshire and Massachusetts” (with Summer Hawkins, Jessica Cohen and Lydia Pace)

“The Impact of Changes in Family Structure on Child Physical Health: Evidence from the Fragile Families Dataset” (with Tyrone Parchment and Maria Pineros Leano).

### **CONFERENCE PRESENTATIONS**

#### **Experience and Confidence in New Health Technologies: Evidence from a Household Cohort Study in Western Kenya**

2019 International Health Economics Association Congress. Basel, Switzerland.  
Oral Presentation (July 14-17).

#### **The Relative Importance of Financial and Non-financial incentives for Community Health Workers: Evidence from a Discrete Choice Experiment in Western Kenya.**

2018 American Society of Tropical Medicine and Hygiene Annual Conference, New Orleans, LA. Oral Presentation (October 29- November 1st).

2018 Boston University School of Public Health Population Health Science Workshop. Boston, MA. Poster Presentation (October 11-12).

#### **Does the Experience of Malaria Testing Increase Trust in the Test? Evidence from Western Kenya**

2017 American Society of Tropical Medicine and Hygiene Annual Conference, Baltimore, MD. Poster Presentation (November 5-9).

#### **How Does Online Peer Communication affect Prevention Behavior?: Evidence from a Laboratory Experiment**

2017 Population Health Science Research Workshop. Boston, MA. Poster Presentation (October 19-20).

2017 International Health Economics Association Congress. Boston, MA.  
Oral Presentation (July 8-11).

**Disparities between Malaria Infection and Treatment Rates: Evidence from a Cross-sectional Analysis of Households in Uganda**

2016 American Society of Tropical Medicine and Hygiene Annual Conference, Atlanta, GA. Poster Presentation (November 13-17).

**Drug Packaging, Health Information and Medication Adherence: Evidence from Malaria Treatment in Uganda.**

2015 Science of Medication Adherence, Pittsburgh, PA. Oral Presentation (June 2).

**Can Rapid Diagnostic Testing for Malaria Increase Adherence to Artemether-Lumefantrine?: A Randomized Controlled Trial in Uganda**

2015 American Society of Tropical Medicine and Hygiene Annual Conference, Philadelphia, PA. Poster Presentation (Oct 25-29).

2014 Last Mile to Malaria Eradication Symposium. Boston, MA. Poster Presentation (Dec 4).

**TEACHING EXPERIENCE**

*Workshops (Doctoral students/Faculty)*

**Boston College School of Social Work, Chestnut Hill, MA.** Instructor  
Cluster Randomized Controlled Trials: An Introduction to Study Design, Analysis and Evaluation (February 2019)

*Graduate Courses*

**Harvard T.H. Chan School of Public Health, Boston, MA.** Teaching Assistant.  
Econometrics for Health Policy (Fall 2012/Fall 2013)  
Theories and Methods of Political Inquiry for Health (Fall 2013)  
Political Economy of Global Health Policy (Spring 2013)  
Introductory Economics with Applications to Health (Spring 2012)

*Undergraduate Courses*

**Harvard University, Cambridge, MA.** Teaching Fellow  
Global Health Challenges: Complexities of Evidence-Based Policy (Spring 2015)

**Yale University, New Haven, CT.** Teaching Fellow.  
Introduction to International Relations (Fall 2009)

**RESEARCH GRANTS**

- 2018: “Malaria diagnostic testing and conditional subsidies to target ACTs in the retail sector: the TESTsmART trial” (National Institutes of Health R01).  
Role: Investigator
- 2018: Duke Global Health Institute Priority Partnership Location Pilot Grant (\$25,000)  
“How do health worker beliefs impact clinical decision-making? A case study of malaria in western Kenya”  
Role: Co-Investigator
- 2014: Harvard Indonesia Center Research Travel Grant (\$6,000)

### **FELLOWSHIPS, HONORS AND AWARDS**

- 2011-2016: Harvard School of Public Health Doctoral Fellowship  
2012: Harvard University Koplow International Scholarship  
2011-2012: Yale University MacMillan Center Merit Award  
2005: James R. Elster Award for Biology  
2004: Phi Beta Kappa (Honor Society)

### **PROFESSIONAL EXPERIENCE**

- 2013           **Consultant.** World Bank, Kigali Rwanda  
Designed and piloted surveys for a randomized controlled trial evaluating the impact of health worker incentives on maternal and child health.
- 2010-2011   **Research Associate.** Massachusetts Institute of Technology, Cambridge, MA  
Managed and analyzed multiple rounds of data from a nationwide household survey in Kenya to evaluate economic impacts of mobile banking (M-PESA).
- 2007-2008   **Research Analyst.** Public Health Foundation of India, New Delhi, India  
Conducted quantitative and qualitative analyses of human resources for health in India using the Indian census and government policy documents.
- 2005-2007   **Research Technician.** Massachusetts General Hospital, Boston, MA  
Performed experiments to study the infectious pathogen *Shigella flexneri*

### **ACADEMIC SERVICE**

Reviewer for Transactions for the Royal Society of Tropical Medicine and Hygiene, American Journal of Tropical Medicine and Hygiene, PLOS One, Malaria Journal, Social Sciences and Medicine, BMC Public Health, and Economic Development,

### **SKILLS**

Software: STATA, R, ArcGIS, LaTeX  
Languages: English (native), French (proficient), Hindi, Mandarin (conversational)

