

Manoj Mohanan
Curriculum Vitae
February 2016

Sanford School of Public Policy
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Employment and Affiliations:

Assistant Professor, Duke University	
Sanford School of Public Policy	2011 – Present
Department of Economics, (Secondary Appointment)	2009 – Present
Duke Global Health Institute, (Secondary Appointment)	2009 – Present
Faculty, Duke Population Research Institute (DuPRI)	2009 – Present
Consultant, World Bank (various projects)	2006 – 2015
Research Specialist, Dept of Health Policy and Mgmt, Harvard SPH	2002 – 2003

Co-Founder, COHESIVE-India: The Collaboration for Health Systems Improvement and Impact Evaluation in India

Research Fields: Development Economics, Empirical Microeconomics, Health Economics, Health Policy

Education:

Ph.D., Health Policy (Economics), GSAS, Harvard University, 2009
 Dissertation Committee: David Cutler (Chair), Joseph Newhouse, and Erica Field
 “Three Essays on Causal Effects of Health Shocks”
Master of Science (S.M.), Harvard School of Public Health, 2004
Master of Public Health (M.P.H.), Harvard School of Public Health, 2000
M.B.B.S., (Bachelor of Medicine; Bachelor of Surgery), Grant Medical College, University of Mumbai (India), 1997

Teaching:

PUBPOL 303: Microeconomic Policy and Tools (Spring 2016)
PUBPOL 813: Quantitative Evaluation Methods (Spring 2012, '13, '14, '15, '16)
GLHLTH 752: Introduction to Economics for Global Health (Spring 2014)
GLHLTH 709: Introduction to Quantitative Methods for Program Evaluation (Spring 2014)
GLHLTH 340: Health Systems in Developing Countries (Spring 2010, '11, '12)
ECON 356: Topics in Appl. Microecon: Health Economics (with Frank Sloan) (Spring 2011)

Publications:

Manoj Mohanan, Marcos Vera-Hernández, Veena Das, Soledad Giardili, Jeremy Goldhaber-Fiebert, Tracy Rabin, Sunil Raj, Jeremy Schwartz and Aparna Seth “The Know-Do Gap and Quality of Care for Childhood Diarrhoea and Pneumonia in Bihar, India” [*JAMA Pediatrics* \(2015\); 169\(4\):349-357](#)

Manoj Mohanan, Sebastian Bauhoff, Gerard La Forgia, Kimberly Singer Babiarz, Kultar Singh, and Grant Miller, “Impact of the Chiranjeevi Yojana Program on Institutional Deliveries and Birth Outcomes in Gujarat, India: A Difference-in-Difference Analysis” [*Bulletin of World Health Organization* \(2014\); 92:187-194](#)

Manoj Mohanan, “Causal Effects of Health Shocks on Consumption and Debt: Quasi-Experimental Evidence from Bus Accident Injuries” [*Review of Economics and Statistics* \(2013\); 95\(2\): 673–681](#)

Jishnu Das, Alaka Holla, Veena Das, Brian Chan, **Manoj Mohanan** and Diana Tabak, “In Urban And Rural India, A Standardized Patient Study Showed Low Levels Of Provider Training And Huge Quality Gaps” [*Health Affairs* \(2012\); 31\(12\): 2774-2784](#)

Manoj Mohanan and Joanna Maselko, “Quasi-experimental Evidence on Causal Effects of Physical Health Shocks on Mental Health” [*International Journal of Epidemiology* \(2010\); 39\(2\):487-493](#)

Ajay Mahal and **Manoj Mohanan**, “Growth of Private Medical Education in India” [*Medical Education* \(2006\); 40: \(10\) 1009-1011](#)

Ajay Mahal and **Manoj Mohanan**, “Medical Education in India: Implications for access to care and its quality” *Journal of Educational Planning and Administration* (2006) 20 (4) 173-184

Papers under review and Working Papers:

Tisamarie Sherry, Sebastian Bauhoff, and **Manoj Mohanan**, “Paying for Performance in Health Care: Results from the Randomized Roll-Out of Rwanda's National Program” [*Revise and Resubmit - American Journal of Health Economics*](#)
[Economic Research Initiatives at Duke \(ERID\) Working Paper 136](#)

Manoj Mohanan, Kimberly Singer Babiarz, Grant Miller, Jeremy Goldhaber-Fiebert, and Marcos Vera-Hernández “Effect of Social Franchising and Telemedicine Based Model of Delivery of Healthcare on Population Health in Bihar, India” [*Under Review*](#)

Manoj Mohanan, Soledad Giardili, Veena Das, Tracy Rabin, Sunil Raj, Jeremy Schwartz, Aparna Seth, Grant Miller, Jeremy Goldhaber-Fiebert, and Marcos Vera-Hernández “Effect of Social Franchising and Telemedicine Based Model of Delivery of Healthcare on Provider Knowledge and Quality of Care in Bihar, India” [*Under Review*](#)

Manuscripts in preparation (E= Economics / H = Health policy)

Wendy O'Meara, **Manoj Mohanan**, Jeremiah Laktabai, Elizabeth Turner, Adriane Lesser, Alyssa Platt, Elisa Maffioli, Diana Menya, "Assessing the independent and combined effects of subsidies for antimalarials and rapid diagnostic testing on appropriate fever management decisions in the retail sector: Results of a factorial randomized design" (H)

Manoj Mohanan, Katherine Donato, Grant Miller, Yulya Truskinovsky, and Marcos Vera-Hernández, "Input- versus Output-based Incentive Contracts in Developing Country Healthcare: Experimental Evidence from India" (E)

Elisa Maffioli and **Manoj Mohanan**, "Touching Beliefs: Using touchscreen technology to elicit beliefs and subjective expectations in survey research" (E)

Manoj Mohanan, Jeremy Goldhaber-Fiebert, Soledad Giardili, Divya Guru Rajan, and Marcos Vera-Hernández, "Little Knowledge is Dangerous? Evidence on Providers' Knowledge of Diagnosis and Treatment of Tuberculosis in Bihar, India" (H)

Manoj Mohanan, Joanna Maselko and Divya Guru Rajan "Borrowing Trust: Instrumental Variable Analysis of Causal Effect of Borrowing and Debt on Social Capital" (E)

Manoj Mohanan, Katherine Donato, Ayaba Worjolah, Grant Miller, Gerard La Forgia, Manveen Kohli, and Kultar Singh "Validation of quality of care measures for obstetric care" (H)

Manoj Mohanan, Kendal Swanson, and Harsha Thirumurthy, "Changing patterns of healthcare utilization for childhood diarrhea and pneumonia in Bihar, India" (H)

Manoj Mohanan, Kendal Swanson, Vikram Rajan and Harsha Thirumurthy, "It's whom you know: The relationship between social connections, knowledge of healthcare programs, utilization and satisfaction" (H)

Ongoing Research Projects:

"A Structural Model of Healthcare Markets: Investigating over-treatment and under-diagnosis" (with Marcos Vera-Hernández and Pau Olivella)

"Effect of price subsidies and testing information on demand for antimalarial drugs" (with Wendy O'Meara (PI), Diana Menya, Jeremiah Laktabai, and Liz Turner)

"Subjective Expectations: New methods for elicitation using interactive touchscreens and applications to decision making under uncertainty" (with Elisa Maffioli)

"Community monitoring, social accountability, and financial incentives to improve delivery of health services" (with Harsha Thirumurthy and Vikram Rajan)

"Analysis of Provider Payment Reforms on Advancing China's Health (APPROACH): An

Evaluation of County Hospitals” (with Winnie Yip (PI), Gerard La Forgia, Grant Miller, and Chen Wen)

Research Funding:

The Bill and Melinda Gates Foundation & DFID, (November 2014 - December 2016)
“Supplementary Funding for Bihar Evaluation of Social Franchising and Telemedicine (BEST)”: Principal Investigator

World Bank – Strategic Impact Evaluation Fund (SIEF), Global Call for Proposals # 2 (October 2015 – March 2017)
“Impact of Social Accountability Interventions on Healthcare Delivery and Outcomes in Uttar Pradesh, India”, Principal Investigator, (with Harsha Thirumurthy and Vikram Rajan)

National Institutes of Health – (NIAID): R01:AI110478-01 (February 2014 – January 2018)
“Innovative public-private partnership to target subsidized anti-malarials in the retail sector”, Co-investigator; (PI: Wendy O’Meara)

World Bank, Strategic Impact Evaluation Fund (SIEF) (January 2014 – June 2014)
Seed funding for “Impact of Social Accountability Interventions on Healthcare Delivery and Health Outcomes in U.P., India”: Principal Investigator (with Harsha Thirumurthy and Vikram Rajan)

World Bank, Health Results Innovation Trust Fund (HRITF) (October 2014 – September 2017)
“Analysis of Provider Payment Reforms on Advancing China’s Health (APPROACH): An Evaluation of County Hospitals” Co-investigator; (PI: Winnie Yip)

The Bill and Melinda Gates Foundation, 2011-2015 (June 2011 – May 2016)
“Bihar Evaluation of Social Franchising and Telemedicine (BEST)”: Principal Investigator, (with Grant Miller and Marcos Vera Hernandez)

The Bill and Melinda Gates Foundation, 2010-2011 (Nov 2010 – May 2011)
“Preparation Grant for Evaluation of Private Providers Project in Bihar”: Principal Investigator, (with Grant Miller and Marcos Vera Hernandez)

The Bill and Melinda Gates Foundation, 2010-2011 (Sept 2010)
“Travel Grant for Preparation of Evaluation Project in Bihar”: Principal Investigator

World Bank, Health Results Innovation Trust Fund (HRITF) (September 2011 – 2014)
Principal Investigator

International Initiative for Impact Evaluation (3ie), 2010-2014
“Supplement for Qualitative Component for IMATCHINE project”: Principal Investigator

International Initiative for Impact Evaluation (3ie), 2010-2014

“IMATCHINE: Improving Maternal and Child Health in India: Evaluating Demand and Supply side Strategies”: Principal Investigator, (with Gerard LaForgia, Grant Miller, Kultar Singh, Swapnil Shekar and Jyoti Tewari)

The Bill and Melinda Gates Foundation, 2009-2011

“Health Services Delivery in India and Indonesia: Assessing and Improving the Availability and Quality of Medical Care”: Co-Investigator, (with Michael Kremer (PI), Jishnu Das, Karthik Muralidharan, Halsey Rogers and Alaka Holla)

Department for International Development (DFID) (June 2011 – 2014)

“DFID-India Framework Agreement for Impact Evaluation”: Principal Investigator, (with Gerard La Forgia, Grant Miller and Marcos Vera Hernandez)

Op-Ed Contributions:

“Equity and [India’s] National Health Policy ‘02” *Express Healthcare Management*, 1-15 May 2003
Indian Express Group. Accessible online at
<http://www.expresshealthcaremgmt.com/20030515/analysis.shtml>

“Oral Health: Small tangible steps can address Cape Crisis.” (Op-ed article on fluoridation and oral health) *Cape Cod Times*; August 2000

Professional Activities:

Advisor to *Health Affairs* for Section on Health Care Quality in India (Oct ‘ 2016 issue)
Co-Organizer, BMGF-Duke International Workshop on Quality of Care, July 2015 (Neemrana, India) <http://sites.duke.edu/healthqualityworkshop/>
Panel Member, Population and Public Health Expert Review Group - Wellcome Trust (UK)
Member, Global Health domain for Simnovate Initiative at McGill University (Canada)

Ad-hoc Referee for:

American Journal of Health Economics, B.E. Journal of Economic Analysis and Policy, BMC Public Health, British Medical Journal, BMJ-Open, Bulletin of WHO, Economic Development and Cultural Change, Injury, Journal of Comparative Economics, Journal of Development Economics, Journal of Development Studies, Journal of Health Economics, Journal of Public Economics, Health Affairs, Health Services Research, Injury, National Academy of Sciences, PLOS-ONE, Social Science and Medicine, Vaccine

Grant Reviewer:

Bill & Melinda Gates Foundation – Grand Challenges Exploration, Economic and Social Research Council (UK), International Initiative for Impact Evaluation (3ie), Smithsonian Institution, UK Department of International Development (DFID)

Research Presentations and Invited Seminars:

- 2016: Harvard-Jindal Global University International Conference on “Delivering on the Promise of Universal Health Coverage in India: Policy Options and Challenges” (Invited Speaker);
- 2015: Pediatric Academic Societies Annual Meeting (Invited Plenary Session); IFS - EDePo Conference on Improving Productivity in Developing Countries; International Health Economics Association (iHEA), Milan; SwitchPoint 2015; J&J-UN General Assembly session on Data Governance, New York; Tilburg University- Dept. of Econometrics and Operations Research; Erasmus University - Symposium on ‘Innovations in Global Health Financing’ (Invited Speaker)
- 2014: World Bank SIEF-DECRG Workshop on Quality of Care; Fuqua India Business Forum (Duke Fuqua School of Business); Indian Civil Accounts Service Exec. Education Program; Govt. Of Karnataka Workshop on Maternal Health Programs
- 2013: Southern Economics Association Conference, Triangle Health Economics Seminar (Fuqua School of Business); World Bank Forum on Health Insurance (Bangalore), Workshop on Hospital Management (Kerala)
- 2012: 3ie-Delhi Seminar; Health Systems Research Symposium (Beijing); Yale University, Virginia Commonwealth University, University of Washington, Seattle (IHME), Indian Institute of Management, Bangalore
- 2011: McGill University, Dept. of Economics
- 2010: Duke Population Research Institute, The Evaluation Conference (New Delhi)
- 2009: International Health Economics Association Conference
- 2008: NBER Summer Institute, American Economics Association Annual Meeting, American Society of Health Economists, Population Association of America, ECFMG – FAIMER.
- 2005: International Health Economics Association