

Zachary Wagner

Stanford University, Center for Population Health Sciences, Palo Alto, CA 94304

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EDUCATION:

Ph.D., Health Policy (Economics Track), UC Berkeley, 2017

Dissertation: *Working With Community Health Workers to Increase Use of ORS and Zinc to Treat Child Diarrhea In Uganda: A Cluster-Randomized Controlled Trial*

Committee: William H. Dow (Chair), Paul J. Gertler, David I. Levine, John M. Colford

M.I.A., International Development, UC San Diego, 2010

B.A., Psychology, University of Oregon, 2005

RESEARCH FIELDS:

Economics: Development Economics, Health Economics, Behavioral Economics

Global Health Policy: Child Diarrhea, Community Health Workers, Conflict and Child Health, HIV Policy, Health Insurance for the Poor, Private Sector Healthcare, Quality of Care

US Health Policy: Health Insurance and Consumer Behavior, Consumer Directed Health Plans, Price Shopping for Health Services, Opioid Abuse

PROFESSIONAL EXPERIENCE:

2017 – Present: Postdoctoral Fellow, Stanford University, Palo Alto, CA

2017 – 2017: Contract Research Analyst, RTI International, San Francisco, CA

2016 – 2017: Contract Data Scientist, Castlight Health, San Francisco, CA

2012 – Present: Research Analyst (STC), World Bank

2015 – 2017: Research Assistant for William H. Dow, UC Berkeley, CA

2010 – 2014: Researcher Analyst, Schaeffer Center for Health Policy and Economics, University of Southern California, Los Angeles, CA

2014 – 2014: Research Assistant for Edward Miguel, UC Berkeley, CA

2012 – 2013: Research Assistant, National Bureau of Economic Research, Los Angeles, CA

2009 – 2010: Research Assistant for Craig McIntosh, UC San Diego, CA

PEER REVIEWED PUBLICATIONS (6 First Author, 9 Second Author):

1. **Zachary Wagner**, Sam Heft-Neal, Zulfiqar A. Bhutta, Robert E. Black, Marshall Burke, Eran Bendavid (2018). "Armed Conflict and Child Mortality in Africa". *The Lancet*.
2. Neeraj Sood and **Zachary Wagner** (2018). "Social Health Insurance for the Poor: Lessons from a Health Insurance Program in Karnataka, India". *BMJ Global Health*.
3. Neeraj Sood, Xinke Zhang, **Zachary Wagner**, Ateev Mehrotra, Peter Huckfeldt, Amelia Haviland (2017). "Does Enrollment in High Deductible Health Plans Encourage Price Shopping". *Health Services Research*.
4. **Zachary Wagner**, Erick Gong, Damien de Walque, William H. Dow (2016). "The Impact of Positive Income Shocks on Risky Sexual Behavior: Experimental Evidence from Tanzania". *Aids and Behavior*.
5. Emmanuel Drabo, Joel Hay, Raffaele Vardavas, **Zachary Wagner**, and Neeraj Sood (2016). "A Cost-Effectiveness Analysis Of Pre-Exposure Prophylaxis For The Prevention Of HIV Among Los Angeles County Men Who Have Sex With Men". *Clinical Infectious Disease*.
6. Neeraj Sood, **Zachary Wagner**, and Adeline Delevande (2016). "Repeat HIV Testing and Risky Sexual Behavior: A Randomized Controlled Trial in Zomba, Malawi." *Journal of Aids & Clinical Research*.

7. Neeraj Sood and **Zachary Wagner** (2015). "The Impact of Health Insurance for Tertiary Care on Postoperative Outcomes and Seeking Care for Symptoms: Quasi-Experimental Evidence From Karnataka, India". *BMJ Open*.
8. Peter Huckfeldt, Amelia Haviland, Ateev Mehrotra, **Zachary Wagner**, and Neeraj Sood (2015). "Patient Responses to Incentives in Consumer-directed Health Plans: Evidence from Pharmaceuticals". NBER Working Paper No. 20927.
9. **Zachary Wagner**, Jeremy Barofsky, and Neeraj Sood (2015). "PEPFAR Funding Associated With An Increase In Employment Among Males in Ten Sub-Saharan African Countries." *Health Affairs*.
10. Neeraj Sood, **Zachary Wagner**, and Yanyu Wu (2015). "The Impact of Insurance on HIV Testing." *American Journal of Health Economics*.
11. **Zachary Wagner**, Manan Shah, and Neeraj Sood (2014). "Barriers To Use Of Oral Rehydration Salts For Child Diarrhea In The Private Sector: Evidence From India." *Journal of Tropical Pediatrics*.
12. Neeraj Sood, Eran Bendavid, Arnab Mukherji, **Zachary Wagner**, Somil Nagpal, and Patrick Mullen (2014). "Government health insurance for people below poverty line in India: quasi-experimental evaluation of insurance and health outcomes." *BMJ*.
13. **Zachary Wagner**, Peter G. Szilagyi, and Neeraj Sood (2014). "Comparative Performance of Public and Private Sector Delivery of BCG Vaccination: Evidence From Sub-Saharan Africa." *Vaccine*.
14. **Zachary Wagner**, Yanyu Wu, and Neeraj Sood (2014). "The Affordable Care Act May Increase The Number Of People Getting Tested For HIV By Nearly 500,000 By 2017." *Health Affairs*.
15. Neeraj Sood and **Zachary Wagner** (2014). "Private Sector Provision of Oral Rehydration Therapy for Child Diarrhea in Sub-Saharan Africa." *American Journal of Tropical Medicine and Hygiene*.
16. Neeraj Sood, **Zachary Wagner**, Peter Huckfeldt, and Amelia Haviland (2013). "Price Shopping in Consumer-Directed Health Plans." *Forum for Health Economics and Policy*.
17. Neeraj Sood, **Zachary Wagner**, Amber Jaycocks, Emmanuel Drabo, and Raffaele Vardavas (2013). "Test and Treat in Los Angeles: A mathematical model of the effects of test-and-treat for the MSM population in LA County." *Clinical Infectious Disease*.
18. Neeraj Sood, **Zachary Wagner**, Amber Jaycocks, Emmanuel Drabo, and Raffaele Vardavas (2013). "Reply to Gonzalez-Serna et al." *Clinical Infectious Disease*.
19. Neeraj Sood and **Zachary Wagner** (2012). "For-profit sector immunization service provision in Kenya: does low provision create a barrier to take-up?" *Health Policy and Planning*.

WORKING PAPERS:

1. **Zachary Wagner**, Somalee Banerjee, Manoj Mohanan, and Neeraj Sood. "Does the Market Reward Quality?: Evidence from Bihar India"
2. **Zachary Wagner**, John Bosco Asiimwe, William H. Dow, and David I. Levine. "The role of price and convenience in underuse of oral rehydration salts to treat child diarrhea: A cluster randomized trial of free ORS distribution and preemptive home delivery in Uganda:". *Submitted*
3. **Zachary Wagner**, John Bosco Asiimwe, and David I. Levine. "When Financial Incentives Backfire: Evidence from a community health worker experiment in Uganda"
4. **Zachary Wagner**, Juan Carlos C. Montoy, Emmanuel F. Drabo, and William H. Dow "Incentives Versus Defaults: Cost-Effectiveness of Behavioral Approaches for HIV Screening". *Submitted*
5. Jeremy Barofsky, **Zachary Wagner**, and Neeraj Sood. "The Impact of ART Scale-Up on Labor Force Participation in Malawi."

TEACHING EXPERIENCE:

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| Spring 2017 | Graduate Student Instructor, Economic Evaluation and Population Health (online and residential, master's level), UC Berkeley, School of Public Health |
| Fall 2016 | Helped design Economic Evaluation and Population Health course (master's level), UC Berkeley, School of Public Health |
| Spring 2016 | Graduate Student Instructor, Analytical Methods For Health Policy Research (master's level), UC Berkeley, School of Public Health |
| June 2016 | Seminar on Impact Evaluation of Social Programs, Makerere University, Department of Statistics, Kampala, Uganda |
| June 2015 | Seminar on Impact Evaluation of Social Programs, Makerere University, Department of Statistics, Kampala, Uganda |
| Fall 2011 | Seminar on Budget Impact Analysis in Health Care, Universidad Nacional de Colombia, School of Public Health |

ONGOING PROJECTS:

1. The Global Burden of Armed Conflict on Child Mortality (with Eran Bendavid, Marshall Burke, Zulfiqar A. Bhutta, , Robert E. Black, and Sam Heft-Neal)
2. Can Community Health Workers Improve Take-Up of Chlorine?: A Randomized Controlled Trial in Malawi (with Pascaline Dupas, Michael Kremer, and Vivian Hoffman)
3. Beyond Bias: Reducing Provider Bias Towards Adolescents to Increase Contraception Take-Up: A Randomized Controlled Trial in Tanzania, Burkina Faso, and Pakistan (with William H. Dow, Manisha Shah, Sandra I. McCoy, Aprajit Mahajan, and Willa Friedman)
4. Doped-up or dropped out?: The Impact of Opioid Abuse on Worker Absenteeism (with Christopher Whaley and Armando Franco)

RESEARCH GRANTS:

1. Co-Principal Investigator, Stanford Global Health Seed Grant, "Mobile-izing Community Health Workers: A Randomized Controlled Trial in Malawi", 2018-2019 (\$30,000)
2. Principal Investigator, Weiss Family Program Fund, "Utilizing Community Health Workers to Increase Use of ORS and Zinc to Treat Child Diarrhea: A Cluster Randomized Controlled Trial in Uganda", 2016-2018, (\$35,667)
3. Principal Investigator, EASST 2015 Research Grant Competition, "Working with Village Health Teams to Increase ORS Use in Uganda: A Randomized Controlled Trial", 2015-2017 (\$48,678)

INVITED PRESENTATIONS AND CONFERENCES:

1. ASHEcon 2018, Emory University, Atlanta, GA, 2018
2. RAND Corporation, Santa Monica, CA, 2018
3. University of Michigan, School of Public Health, Ann Arbor, MI, 2018
4. Drexel University, School of Public Health, Philadelphia, PA, 2018
5. Johns Hopkins University, School of Public Health, Baltimore, MD, 2018
6. Stanford Global Health Research Convening (oral presentation), Palo Alto, CA, 2018
7. UC Berkeley Health Services Research Colloquium, CA, 2018
8. Boston University, Department of Health Sciences, MA, 2017
9. University of British Columbia, Vancouver, BC, 2017
10. UC Berkeley Development Lunch, CA, 2017
11. International Health Economics Association (iHEA) World Congress, 2017 (oral presentation of 1 paper, 1 paper presented by co-author), Boston, MA
12. Population Association of America Annual Meeting (oral presentation), 2017, Chicago, IL

13. Conference of the American Society of Health Economists, 2016, Philadelphia, PA
14. East African Social Science Translation (EASST) Symposium, 2015, UC Berkeley
15. EASST Evidence Summit, 2015, Nairobi, Kenya
16. The Affordable Care Act And the Future Of HIV/AIDS In America, 2014 (invited for oral presentation), National Press Club, Washington D.C.
17. Conference of the American Society of Health Economists, 2014 (oral presentation of 2 papers, 3 papers presented by co-authors), Los Angeles, CA
18. Academy Health Annual Research Meeting, 2013 (oral presentation), Baltimore, MD
19. International Health Economics Association (iHEA) World Congress, 2013 (presented 2 papers, and 2 papers presented by coauthors), Sydney, Australia

JOURNAL REFEREE EXPERIENCE:

BMJ (5), Health Affairs (2), Journal of Development Economics (2), Lancet Global Health, Aids and Behavior, BMJ Global Health, Forum for Health Economics and Policy (2), Journal of Global Health, American Journal of Public Health, Academic Pediatrics, PLOS One

MEDIA APPEARANCES:

1. My work on the impact of PEPFAR on Employment Outcomes in Sub-Saharan Africa was covered by *Vox*
2. My work highlighting under-use of oral rehydration therapy for child diarrhea in the private sector in Sub-Saharan Africa was feature in:
Print Articles: *JAMA News, Humanosphere, Inter Press Service, Voice of America* and 10 other sources
Radio Interviews: *Voice of America, SABC Channel Africa Radio, and Radio France International.*
3. My research on how the Affordable Care Act will affect HIV testing rates was featured in *MSNBC, Health Affairs Blog, Healthcare Professionals Network, and NyMedicin.*
4. My research that models the effects of the test and treat strategy for HIV prevention in Los Angeles County was featured in the *Los Angeles Times.*
5. My research on price shopping in consumer directed health plans was featured in *Health Finance News.*

AWARDS AND FELLOWSHIPS:

1. Nation Institute of Aging Training Fellowship (2014-2016)
2. Health Affairs Editor-in-Chief top 10 Articles of 2015

SKILLS:

1. Programming Languages: Stata, R, TreeAge, ArcGIS, LaTeX, SQL
2. Languages: English (Native), Spanish (Advanced)