

Zachary Wagner
RAND Corporation, Santa Monica, CA, 90401
Phone: (310) 393-0411 Ext. 7539, e-mail: zwagner@rand.org

EDUCATION:

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

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: Quality of Care, Child Health, Clean Water, Community Health Workers, Conflict and Health, HIV / AIDS, Health Insurance for the Poor, Private Sector Healthcare

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

PROFESSIONAL EXPERIENCE:

2021 – Present:	Full Policy Researcher, RAND Corporation, Santa Monica, CA
2018 – Present:	Professor, Pardee RAND Graduate School, Santa Monica, CA
2018 – 2021:	Associate Policy Researcher, RAND Corporation, Santa Monica, CA
2017 – 2018:	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 – 2017:	Research Analyst (STC), World Bank
2010 – 2014:	Researcher Analyst, Schaeffer Center for Health Policy and Economics, University of Southern California, Los Angeles, CA

PEER REVIEWED PUBLICATIONS

1. Pascaline Dupas, Basimenye Nhlema, **Zachary Wagner**, Aaron Wolf, Emily Wroe (2021). "Expanding Access to Clean Water for the Rural Poor: Experimental Evidence from Malawi". *AEJ: Economic Policy*. [Author order is alphabetical]
2. **Zachary Wagner**, Barbara Mukasa, Josephine Nakakande, Chad Stecher, Uzaib Saya, Sebastian Linnemayr (2021). "The impact of the COVID-19 pandemic on use of HIV care, antiretroviral therapy adherence, and viral suppression: An observational cohort study from Uganda". *JAIDS*
3. Rivfka Shenoy, **Zachary Wagner**, Allison Kirkegaard, Robert J. Romanelli, Satish Mudiganti, Louis T. Mariano, Meghan Martinez, Kyle Zanocco, Katherine Watkins (2021). "The Impact of a Mandatory Prescription Drug Monitoring Program on Post-Operative Opioid Prescriptions". *JAMA Health Forum*
4. Glenn Wagner, **Zachary Wagner**, Sarah MacCarthy, Uzaib Saya, Mahlet Tebeka, Sebastian Linnemayr (2021). "Increased depression during COVID-19 lockdown associated with economic stressors and ART non-adherence among people living with HIV in Uganda". *AIDS and Behavior*.
5. Maria Dieci, **Zachary Wagner**, Willa Friedman, Sarah Burgess, Jessica Vandermark, Sandra McCoy, Manisha Shah, William H. Dow (2021). "Measuring Family Planning Provider Bias: A Discrete Choice Experiment Among Burkinabé, Pakistani, and Tanzanian Providers". *Studies in Family Planning*.
6. Sebastian Linnemayr, Larissa Jennings Mayo-Wilson, Uzaib Saya, **Zachary Wagner**, Sarah MacCarthy, Stewart Walukaga, Susan Nakubulwa, Yvonne Karamagi (2020). "HIV Care

Experiences During the COVID-19 Pandemic: Mixed-Methods Telephone Interviews with Clinic-Enrolled HIV-Infected Adults in Uganda". *AIDS and Behavior*.

7. Sarah MacCarthy, **Zachary Wagner**, Joanna Barreras, Alice Kim, Alexandra Mendoza-Graf, Rebecca Giguere, Alex Carballo-Dieguez, Sebastian Linnemayr (2020). "Using behavioral economics to increase HIV knowledge and testing among Latinx sexual minority men and transgender women: A randomized controlled pilot study." *Journal of Acquired Immune Deficiency Syndromes*.
8. Lee H. Hilborne, **Zachary Wagner**, Irineo Cabrerros, Robert H. Brook (2020). "Linking Statistics With Testing Policy to Manage COVID-19 in the Community." *American Journal of Clinical Pathology*.
9. Edward N. Okeke, **Zachary Wagner**, Isa S Abubakar (2020). "Maternal cash transfers, quality of care, and maternal health: Evidence from a cluster randomized trial in Nigeria". *Health Affairs*.
10. Neeraj Sood and **Zachary Wagner** (2020). "India's Historic Effort to Expand Health Insurance to Individuals Living Below the Poverty Line." *JAMA Health Forum*.
11. Sarah MacCarthy, **Zachary Wagner**, Alexandra Mendoza-Graf, Carlos Ignacio Gutierrez, Clare Samba, Josephine Birungi, Stephen Okoboi, Sebastian Linnemayr (2019). "A randomized controlled trial study of the acceptability, feasibility, and preliminary impact of SITA: A mobile technology-based intervention informed by behavioral economics to improve ART adherence among youth in Uganda". *BMC Infectious Disease*
12. Sebastian Linnemayr, Chad Stecher, Uzaib Saya, Sarah MacCarthy, **Zachary Wagner**, Larissa Jennings, Barbara Mukasa (2019). "Behavioral Economics Incentives to Support HIV Treatment Adherence (BEST): Protocol for a randomized controlled trial in Uganda". *Trials*.
13. **Zachary Wagner**, John Bosco Asiimwe, and David I. Levine (2019). "When Financial Incentives Backfire: Evidence from a community health worker experiment in Uganda". *Journal of Development Economics*.
14. **Zachary Wagner**, Sam Heft-Neal, Paul Wise, Robert E. Black, Marshall Burke, Ties Boerma, Zulfiqar A. Bhutta, Eran Bendavid (2019). "Women and Children Living in Areas of Armed Conflict: a geospatial analysis of mortality and orphanhood in Africa". *The Lancet Global Health*.
15. **Zachary Wagner**, Juan Carlos C. Montoy, Emmanuel F. Drabo, and William H. Dow (2019). "Incentives Versus Defaults: Cost-Effectiveness of Behavioral Approaches for HIV Screening". *AIDS and Behavior*.
16. **Zachary Wagner**, John Bosco Asiimwe, William H. Dow, and David I. Levine (2019). "The role of price and convenience in use of oral rehydration salts to treat child diarrhea: A cluster randomized trial in Uganda". *PLOS Medicine*.
17. Corey J.A. Bradshaw, Sarah P. Otto, Alicia A. Annamalay, Sam Heft-Neal, **Zachary Wagner**, Peter N. Le Souëf (2019). "Testing the socioeconomic and environmental determinants of better child-health outcomes in Africa: a cross-sectional study among nations". *BMJ Open*.
18. **Zachary Wagner**, Sam Heft-Neal, Zulfiqar A. Bhutta, Robert E. Black, Marshall Burke, Eran Bendavid (2018). "Armed Conflict and Child Mortality in Africa: a geospatial analysis". *The Lancet*.
19. Sebastian Linnemayr, Sarah MacCarthy, **Zachary Wagner**, Joanna L. Barreras, Frank Galvan (2018) "Using behavioral economics to promote HIV prevention for populations at high risk for HIV". *Journal of Aids & Clinical Research*.
20. Neeraj Sood and **Zachary Wagner** (2018). "Social Health Insurance for the Poor: Lessons from a Health Insurance Program in Karnataka, India". *BMJ Global Health*.
21. 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*.
22. **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*.

23. 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*.
24. Adeline Delevande, **Zachary Wagner**, and Neeraj Sood (2016). "Repeat HIV Testing and Risky Sexual Behavior: A Randomized Controlled Trial in Zomba, Malawi." *Journal of Aids & Clinical Research*.
25. 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*.
26. **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*.
27. Neeraj Sood, **Zachary Wagner**, and Yanyu Wu (2015). "The Impact of Insurance on HIV Testing." *American Journal of Health Economics*.
28. **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*.
29. 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*.
30. **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*.
31. **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*.
32. 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*.
33. Neeraj Sood, **Zachary Wagner**, Peter Huckfeldt, and Amelia Haviland (2013). "Price Shopping in Consumer-Directed Health Plans." *Forum for Health Economics and Policy*.
34. 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*.
35. Neeraj Sood, **Zachary Wagner**, Amber Jaycocks, Emmanuel Drabo, and Raffaele Vardavas (2013). "Reply to Gonzalez-Serna et al." *Clinical Infectious Disease*.
36. 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**, Rushil Zutshi, John Bosco Asiiimwe, David I. Levine. "Cost Effectiveness of Free Distribution of Diarrhea Treatment by Community Health Workers: Evidence from a Uganda". *R&R at Health Policy and Planning*
2. **Zachary Wagner**, Somalee Banerjee, Manoj Mohanan, and Neeraj Sood (2020). "Does the Market Reward Quality?: Evidence from India". NBER Working Paper No. 26460 . *Under Review*.
3. Armando Franco, **Zachary Wagner**, Christopher M. Whaley. "Doped up or Dropped Out: The Effects of Opioid Use on Workplace Absences". *Under Review*
4. 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.

TEACHING EXPERIENCE:

Winter 2021	Professor, Advanced Econometrics (PhD level), Pardee RAND Graduate School
Winter 2020	Professor, Advanced Econometrics (PhD level), Pardee RAND Graduate School
Winter 2019	Professor, Advanced Econometrics (PhD level), Pardee RAND Graduate School
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. What Drives Poor Care for Child Diarrhea?: A Standardized Patient Study in India (with Neeraj Sood, Manoj Mohanan, Arnab Mukherji, and Somalee Banerjee)
2. Beyond Bias: Reducing Provider Bias Towards Adolescents to Increase Contraception Take-Up: A Randomized Controlled Trial in Tanzania, Burkina Faso, and Pakistan (with Corrina Moucheraud, William H. Dow, Manisha Shah, Sandra I. McCoy, and Willa Friedman)
3. Behavioral Economics Incentives to Support HIV Treatment Adherence (BEST): a randomized controlled trial in Uganda (with Sebastian Linnemayr and Uzaib Saya)
4. Reducing Inappropriate Opioid Prescribing at Hospital Discharge (with Katherine Watkins, et al.)

RESEARCH GRANTS:

1. Principal Investigator, National Institutes of Health (R01), "The Impact of Natural Disasters on Child Health". 2022-2026 (\$3,764,417, pending)
2. Principal Investigator, National Institutes of Health (R01), "What Drives Poor Care for Child Diarrhea?: A Standardized Patient Study in India". 2020-2024 (\$1,913,000)
3. Investigator, National Institutes of Health (R01), "Goals for Adherence with Low-cost Incentives (GOALS)". PI Sebastian Linnemayr. 2021-2025 (\$2,200,000)
4. Investigator, National Institutes of Health (R01), "Promoting reductions in intersectional stigma to improve HIV testing & PrEP use among Latino sexual minority men". 2019-2024 (\$3,100,000)
5. Principal Investigator, Gates Foundation, "Beyond Bias: Reducing Provider Bias Towards Adolescents to Increase Contraception Take-Up: A Randomized Controlled Trial in Tanzania, Burkina Faso, and Pakistan". 2018-2022 (\$745,694)
6. Co-Principal Investigator, Stanford Global Health Seed Grant, "Mobile-izing Community Health Workers: A Randomized Controlled Trial in Malawi", 2018-2019 (\$30,000)
7. 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)

8. 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. ASSA Meetings 2020, San Diego, CA, 2020
2. UCLA, Los Angeles, CA, 2019
3. ASHEcon 2019, Emory University, Washington, DC, 2019
4. Population Association of America Annual Meeting (2 oral presentations), 2019, Austin, TX
5. ASHEcon 2018, Emory University, Atlanta, GA, 2018
6. RAND Corporation, Santa Monica, CA, 2018
7. University of Michigan, School of Public Health, Ann Arbor, MI, 2018
8. Drexel University, School of Public Health, Philadelphia, PA, 2018
9. Johns Hopkins University, School of Public Health, Baltimore, MD, 2018
10. Stanford Global Health Research Convening (oral presentation), Palo Alto, CA, 2018
11. UC Berkeley Health Services Research Colloquium, CA, 2018
12. Boston University, Department of Health Sciences, MA, 2017
13. University of British Columbia, Vancouver, BC, 2017
14. UC Berkeley Development Lunch, CA, 2017
15. International Health Economics Association (iHEA) World Congress, 2017 (oral presentation of 1 paper, 1 paper presented by co-author), Boston, MA
16. Population Association of America Annual Meeting (oral presentation), 2017, Chicago, IL
17. Conference of the American Society of Health Economists, 2016, Philadelphia, PA
18. East African Social Science Translation (EASST) Symposium, 2015, UC Berkeley
19. EASST Evidence Summit, 2015, Nairobi, Kenya
20. The Affordable Care Act And the Future Of HIV / AIDS In America, 2014 (invited for oral presentation), National Press Club, Washington D.C.
21. Conference of the American Society of Health Economists, 2014 (oral presentation of 2 papers, 3 papers presented by co-authors), Los Angeles, CA
22. Academy Health Annual Research Meeting, 2013 (oral presentation), Baltimore, MD
23. International Health Economics Association (iHEA) World Congress, 2013 (presented 2 papers, and 2 papers presented by coauthors), Sydney, Australia

JOURNAL REFEREE EXPERIENCE:

BMJ (6), Health Affairs (2), Journal of Development Economics (2), Journal of Health Economics, Lancet Global Health, Aids and Behavior (2), PLOS Medicine, BMJ Global Health, Forum for Health Economics and Policy (2), Journal of Global Health, American Journal of Public Health, Academic Pediatrics, PLOS One

AWARDS AND FELLOWSHIPS:

1. Health Affairs Editor-in-Chief top 10 Articles of 2020
2. Nation Institute of Aging Training Fellowship (2014-2016)
3. 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)