

JOSEPH H. COOK

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(updated August 2010)

ACADEMIC APPOINTMENTS

Assistant Professor, Daniel J. Evans School of Public Affairs, University of Washington, Seattle, WA, Sept. 2007 - present.

EDUCATION

University of North Carolina at Chapel Hill

Department of Environmental Sciences and Engineering (ESE), School of Public Health

Ph.D. in Environmental Management and Policy, 2007

Dissertation: “*Are vaccines against cholera and typhoid fever a good investment for a slum in Kolkata, India?*”

Dissertation Advisor: Prof. Dale Whittington

M.S. in Environmental Management and Policy, 2004

Thesis: *Does giving respondents “time-to-think” affect the results of choice model experiments? Evidence from a study of demand for typhoid and cholera vaccines in Hue, Vietnam*

Thesis Advisor: Prof. Dale Whittington

Cornell University, Ithaca, NY

B.S. in Natural Resources, 1996

JOURNAL ARTICLES

Cook, J., D. Sur, J. Clemens, and D. Whittington. 2009. “Evaluating investments in typhoid vaccines in two Kolkata slums.” *Journal of Health, Population and Nutrition*, 27(6): 711-724.

Jeuland, M., **J. Cook**, C. Poulos, J. Clemens, D. Whittington, and DOMI Cholera Economics Study Group, 2009. “Incorporating herd protection into cost-effectiveness calculations of new-generation oral cholera vaccines: A multi-site analysis”. *Value in Health*, accepted

Cook, J., M. Jeuland, B. Maskery, D. Lauria, D. Sur, J. Clemens, and D. Whittington. 2009. “Using private demand studies to calculate socially optimal vaccine subsidies in developing countries.” *Journal of Policy Analysis and Management*, 28(1): 6-28.

Whittington, D., D. Sur, **J. Cook**, S. Chatterjee, B. Maskery, M. Lahiri, C. Poulos, S. Boral, A. Nyamete, J. Deen, L. Ochiai and S. K. Bhattacharya. 2008. “Rethinking cholera and typhoid vaccination policies for the poor: Private demand in Kolkata, India.” *World Development*, 37(2): 399-409.

Cook, J., M. Jeuland, D. Whittington, C. Poulos, J. Clemens, D. Sur, D. D. Anh, M. Agtini, and Z. Bhutta. 2008. "The cost-effectiveness of typhoid Vi vaccination programs: Calculations for four urban sites in four Asian countries." *Vaccine*, 26: 6305-6316.

Kim, D., D. G. Canh, C. Poulos, L. T. K. Thoa, **J. Cook**, N. T. Hoa, A. Nyamete, D. T. D. Thuy, J. Deen, N. D. Son, J. Clemens, D. D. Trach, V. D. Thiem, D. D. Anh, and D. Whittington. 2008. "Private demand for cholera vaccines in Hue, Vietnam." *Value in Health*, 11(1): 119-128.

Cook, J., D. Whittington, D.G. Cahn, F. Reed Johnson, and A. Nyamete. 2007. "Reliability of stated preferences for cholera and typhoid vaccines with time to think in Hue, Vietnam." *Economic Inquiry*, 45(1): 100-114.

Sur, D., **J. Cook**, S. Chatterjee, J. Deen, D. Whittington. 2006. "Increasing the transparency of stated choice studies for policy analysis: designing experiments to produce policy graphs." *Journal of Policy Analysis and Management*, 26(1): 189-199.

Blackman, A., S. Newbold, J.-S. Shih, D. Evans, **J. Cook** and M. Batz. 2006. "The benefits and costs of informal sector pollution control: Traditional Mexican brick kilns." *Environment and Development Economics* 11(5): 603-627.

Whittington, D., D. Lauria, V. Prabhu and **J. Cook**. 2004. "An economic reappraisal of the Melamchi water supply project – Kathmandu, Nepal." *Portuguese Economic Journal* 3: 157-178.

BOOK CHAPTERS

Blackman, A., S. Newbold, J.-S. Shih, D.A. Evans, **J. Cook**, and M. Batz. 2006. "The benefits and costs of controlling small-firm pollution: informal brickmaking in Ciudad Juarez, Mexico". Chapter 2 in "Small Firms and the Environment in Developing Countries: Collective Impacts, Collective Action". RFF Press, Washington DC. 246 pp.

WORKING PAPERS

Cook, J., S. Chatterjee, and D. Whittington. "Measuring risk attitudes among the urban poor: an experimental approach in Kolkata, India". *Under review*. [Evans School Working Paper 2009-01](#).

Cook, J. "Principles and standards for benefit-cost analysis of public health preparedness and pandemic mitigation programs". *Under review*. Prepared for the [UW Benefit-Cost Analysis Center](#).

Cook, J., B. Maskery, M. Jeuland and D. Whittington. "The case for giving stated preference respondents 'time to think': results from four countries." *Under review*.

Cook, J., K. Komives, R. Thorsten, W. Wakeman, E. Larbi, A. Bakalian, and D. Whittington. "Assessing household preferences for water and electricity services in rural Ghana". Presented at 2008 conference of the European Association of Environmental and Resource Economists, Gothenburg, Sweden.

REPORTS

Cook, J. and J. Onjala. "Microfinance in the water supply and sanitation sector in Kenya" (August 2009). Prepared for Global Water Challenge, with support from the Packard Foundation. Online at: http://water.3cdn.net/cedec9aa55ab5b6ed9_slm6ivaye.pdf

GRANTS

"How does improving access to safe water change household time use in rural Ethiopia?" University of Washington Royalty Research Fund. \$39,750. June 2010 – June 2011.

"Adapting to climate-induced hydrological changes in the Yakima River basin of Washington State: unlocking water markets" (with Sergey Rabotyagov). University of Washington Environmental Institute (College of the Environment). \$143,468. March 2010 – June 2011.

RESEARCH EXPERIENCE

Field experience in Kenya, Ethiopia, Mozambique, India, Vietnam, and the U.S.

Global Water Challenge, Washington, D.C. August 2008 – August 2009

- Consultant, with Prof. Joseph Onjala (Univ. of Nairobi)
- Examined the potential for using microfinance and other innovative forms of financing to improve access to water supply and sanitation (WS&S) in Kenya and Ethiopia. Conducted a desk review of existing evidence on the use of microfinance in the water supply and sanitation sector; held a series of meetings with 168 households in 7 villages in Kericho and Nyando Districts of Western Kenya; interviewed independent and State water providers, and other key informants. Issued report in August 2009.

The Hopi Tribe, Kykotsmovi, AZ, June 2005-2008

- Consultant, with Prof. W. Michael Hanemann (UC-Berkeley) and Prof. Dale Whittington (ESE).
- Led survey of households living on the Hopi reservation to support the Tribe's water rights claim in the Little Colorado River Basin adjudication. Trained and supervised a team of nine Hopi interviewers, designed survey protocols, helped draft and revise questionnaire. Prepared report on findings from summer 2005 surveys.

UNC-CH ESE and the International Vaccine Institute, June 2003 – May 2006

- Beira, Mozambique. March 2005. Led survey of costs-of-illness of contracting cholera. Trained and supervised team of four interviewers, authored data entry programs, trained data entry operators.
- Kolkata, India. Summer 2004. Led survey (contingent valuation and stated choice method) of 1,240 households on willingness-to-pay for cholera and typhoid vaccines. Led training and supervision of a team of 35 field interviewers and data entry staff. Collaborated on overall research design and questionnaire design and revision. Led econometric analysis and drafted publications for peer-review.
- Hue, Vietnam. Summer 2003. Participated in survey of 1,600 households on willingness-to-pay for cholera and typhoid vaccines. Helped train team of field interviewers. Managed data entry process, including team of seven data entry staff. Analyzed stated choice data in conjunction with a split-sample experiment as master's thesis.

Asian Development Bank, March 2003

- Consultant, with Prof. Donald Lauria and Prof. Dale Whittington (UNC-CH ESE), and Vimalanand Prabhu (UNC-CH, Public Policy).
- Designed a user-interfaced, probabilistic spreadsheet model of the economic costs and benefits of the Melamchi Water Supply Scheme in Kathmandu (Nepal) to support an economic reappraisal of the project.

UNC-CH Environmental Finance Center, May 2002 – May 2003

- Research Assistant for Jeff Hughes, Director
- Built financial models for the Orange County solid waste department examining different ways to fund recycling and solid waste programs.
- Managed online database of funding sources for environmental infrastructure projects.

Resources for the Future, Washington DC, March 1999 – June 2001

- Research assistant for Dr. Allen Blackman, Dr. Alan Krupnick, Dr. Dallas Burtraw and Dr. Winston Harrington
- Co-authored paper comparing benefits and costs of regulating air pollution from small brickyards in Ciudad Juarez, Mexico; helped build model predicting pollutant transport, human exposure, human health effects and monetary damages.
- Managed implementation of a nationwide computerized survey investigating willingness-to-pay for reductions in one's risk of dying; assisted researchers in Japan, Korea and France to implement parallel surveys.
- Helped to design contingent valuation survey investigating willingness-to-pay for recovery of acidified lake ecosystems in Adirondack Park (NY).
- Analyzed data on 8,000 FHA-insured mortgages in Chicago to evaluate the Location Efficient Mortgage (LEM) program.

TEACHING EXPERIENCE

University of Washington

- Water Resource Economics, Fall 2009
- Water and Sanitation Policy in Developing Countries, Spring 2008, 2009, 2010
- Applied Benefit-Cost Analysis, Fall 2010
- Quantitative Analysis, Winter 2008, 2009, 2010
- Special Topics: Updating the principles and guidelines used in benefit-cost analyses of large water projects by the Army Corps of Engineers (for the Congressional Research Service). Winter and Spring 2009.

PRESENTATIONS

“The case for giving stated preference respondents ‘time to think’: results from four countries.” 4th World Congress of Environmental and Resource Economists, Montreal, Canada, June 2010.

“Coordinating Water Supply and Sanitation Efforts”. Water Quality Technology Conference (American Water Works Association), Seattle, WA, November 15, 2009

“Assessing the potential for microfinance in water supply and sanitation in Kenya.” February 26, 2009. Department of Environmental and Occupational Health Sciences, University of Washington.

“Assessing household preferences for water and electricity services in rural Ghana”. June 15, 2008. European Association of Environmental and Resource Economists, 16th Annual Conference, Gothenburg, Sweden.

“Evaluating investments in typhoid vaccines in two Kolkata slums – a role for user fees?” February 20, 2008. Department of Health Services, University of Washington

“Using epidemiological data to value the positive externality of vaccination”. July 9, 2007. International Health Economics Association 7th World Congress, Copenhagen, Denmark.

“Integrating economic and epidemiological data: Are vaccines against cholera a good investment for a slum in Kolkata, India?” University of Washington (Seattle WA), Resources for the Future (Washington DC), RTI (Research Triangle Park, NC). Spring 2007.

“What can experimental risk aversion measures tell us about demand for vaccines in Kolkata?” Camp Resources XIII. Wilmington, NC, August 11, 2005.

“Using stated choice methods to measure demand for vaccines against cholera and typhoid fever in Vietnam.” RTI Fellows Homeland and Health Security Symposium, November 6, 2004, Research Triangle Park, NC.

“Don’t rush me! Does giving respondents time to think change their perceived estimates of the private economic benefits of vaccines in Hue, Vietnam?”. Environmental Sciences and Engineering Department Seminar Series. October 22, 2003

ACADEMIC SERVICE & PROFESSIONAL AFFILIATIONS

Resource Person (responsible for proposal reviews and mentoring) for Center for Environmental Economics and Policy in Africa (CEEPA), Pretoria, South Africa

Advising: Erin Donley (MS 2010)
Degree Projects (Evans School): Smith, Cammarano, Cairns, Levin
Kevin Feltes (BS, UNC-CH, 2005)

Member: American Economic Association
Association of Environmental and Resource Economists
European Association of Environmental and Resource Economists
Association for Public Policy Analysis and Management
International Health Economics Association

Referee: *Health Economics*
Environmental & Resource Economics
Water Resources Research
Environment and Development Economics
Agricultural Economics
Social Science and Medicine