

JOSEPH H. COOK

Dept. of Environmental Sciences & Engineering
School of Public Health
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7431

PO Box 1202
Chapel Hill, NC 27514
919-360-6476
email: joecook@unc.edu

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, May 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, May 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, May 1996

ACADEMIC APPOINTMENTS

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

RESEARCH EXPERIENCE

The Hopi Tribe, Kykotsmovi, AZ, Summers 2005, 2006, and ongoing

- 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

- Research Assistant for Prof. Dale Whittington on the Diseases of the Most Impoverished (DOMI) Program
- 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.

AEMS Consulting, Arlington, VA, August 1997 – March 1999

- Research assistant
- Identified significant new regulatory developments in air pollution control by maintaining a network of contacts at EPA and state air pollution control agencies and by monitoring internet sites, newsletters, and the Federal Register.
- Analyzed developments for their impact on clients' manufacturing operations; forecast likely direction and impact of future regulations.

Stanford University, Hilo, Hawaii, Summer 1995

- Undergraduate researcher
- Designed and implemented an independent research project studying the impact of an introduced species (feral pigs) on the ecology of native Hawaiian rainforests.

PUBLICATIONS

Cook, J., D. Whittington, D.G. Cahn, F. Reed Johnson, and A. Nyamete. 2007. *The effect of giving respondents overnight to think about their answers to a stated choice survey 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.

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 (2006). *Private demand for cholera and typhoid vaccines in Kolkata, India*. World Bank Economic Review, submitted.

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. *Private demand for cholera vaccines in Hue, Vietnam*. Value in Health, forthcoming.

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.

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.

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.

Alberini, A., A. Krupnick, M. Cropper, N. Simon, and **J. Cook**. 2002. *The willingness to pay for mortality risk reductions: A comparison of the United States and Canada*. CESifo Working Paper Series, Number 668(8). Center for Economic Studies and IFO Institute, 2002.

TEACHING EXPERIENCE

University of North Carolina at Chapel Hill

Guest Lecturer, Spring 2006 & 2007

- “Globalization and Public Health”. Prof. Lynn Knauff. Graduate-level course.
- Lectured on the impact of globalization on water and sanitation in developing countries.

Teaching Assistant, Spring 2005

- “Public Investment Theory”. Prof. Dale Whittington. Graduate-level course.
- Lectured on health economics and measuring cost-of-illness.
- Graded assignments and exams and fielded student questions and concerns

Guest Lecturer, Spring 2005

- “Infrastructure Issues in Developing Countries”. Vimalanand Prabhu. Undergraduate-level course.
- Lectured on assessing the benefits of cholera and typhoid vaccines in Kolkata, India.

Guest Lecturer, Fall 2004

- “Microeconomics for Planning and Policy Analysis”. Prof. Dale Whittington. Graduate-level course.
- Lectured (over three class periods) on externalities, public goods, and using economic instruments in environmental policy.

Teaching Assistant, Spring 2004

- “Water and Sanitation Policy in Less-Developed Countries”. Prof. Dale Whittington. Graduate-level course.
- Lectured on meta-analysis of the benefits and costs of improving water and sanitation conditions.
- Graded assignments and exams and fielded student questions and concerns

Course Designer, Spring 2003

- UNC-CH Environmental Finance Center
- Designed web-based course for environmental professionals in North Carolina on introductory environmental finance.

Teaching Assistant, Fall 2001, Spring 2002

- “Environmental Protection”. Prof. Don Francisco. Undergraduate-level course (Fall) and graduate-level course (Spring).
- Designed and graded assignments and exams, fielded student questions and concerns during weekly office hours, helped students prepare for exams with review sessions.

Lingua Centrum Language School, Brno, Czech Republic

English Language Instructor, August 1996 – May 1997

- Led class sessions and designed exercises to improve students’ vocabulary and conversational English
- Prepared students for state exams in English proficiency and American history

PRESENTATIONS

“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.

“Measuring the economic benefits of vaccines in developing countries.” Student Global Health Committee Brownbag Lunch Seminar Series. April 8, 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

Graduate Mentor for Kevin Feltes' Undergraduate Honors Thesis: "The Federal Ethanol Subsidy in a Changing Fuel Market", May 2004 – March 2005.

Member: Association of Environmental and Resource Economists
International Health Economics Association

Referee: *Health Economics*
Environmental & Resource Economics
Water Resources Research

REFERENCES

Prof. Dale Whittington
Dept. of Environmental Sciences and Engineering, CB # 7431
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7431
Tel: 919-966-7645
Email: dale_whittington@unc.edu

Dr. F. Reed Johnson
RTI International
200 Park Offices Drive
Post Office Box 12194
Research Triangle Park, NC 27709-2194
Tel: 919-541-5958
Email: frjohnson@rti.org

Prof. Donald Lauria
Dept. of Environmental Sciences and Engineering, CB # 7431
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7431
Tel: 919-966-7644
Email: dlauria@unc.edu

Dr. Christine Poulos
RTI International
200 Park Offices Drive
Post Office Box 12194
Research Triangle Park, NC 27709-2194
Tel: 919-541-7130
Email: cpoulos@rti.org

Dr. Allen Blackman
Senior Fellow
Resources for the Future
1616 P St. NW
Washington, DC 20036
Tel: 202-328-5073
Email: blackman@rff.org