

David Bishai
Associate Professor

Academic Degrees

BA, Harvard College, 1983; MD, UC San Diego School of Medicine, 1987; MPH, UCLA School of Public Health, 1987; UCLA/Cedars-Sinai Med. Ctr., Residency, 1987-1991; PhD, Wharton Business School, 1996

Departmental Affiliation

Population, Family and Reproductive Health

Joint Departmental Affiliations

International Health

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Research and Professional Experience

Dr. Bishai uses economics to study populations, families, and the ways in which various public health interventions, especially immunization and injury control, affect population health. His work on family economics looks at how child fostering, polygyny, and reduced certainty of paternity affect child survival. His research on the family includes studying how adults and adolescents decide whether to have extramarital sexual contact and how families cope with AIDS and STDs.

Dr. Bishai has focussed much of his applied work on evaluating the potential value of public health interventions such as vaccines, injury control measures, and STD control activities. He has prepared economic models of vaccines and vaccination strategies. His work attempts to validate economic models of the value of a new vaccine with household surveys on what people would pay for a new vaccine. His current projects apply willingness to pay methods to assess the demand for meningococcal vaccine, improved ways of screening for HPV disease, improved neighborhood safety from automobile injuries, and more successful drug rehabilitation programs.

Keywords

health economics, population economics; family economics; marriage, gender, paternity; infidelity, divorce, polygyny; orphans; adolescent health, vaccines; HIV; AIDS vaccine; tuberculosis; meningococcal disease; human papilloma virus; HPV, cervical cancer; health equity; disparities; Nepal; Uganda; injuries, road traffic accidents;

Honors and Awards

American Medical Association/Burroughs Wellcome Fellowship for Community Leadership, 1989
Joseph St. Geme Award for Pediatric Research among UCLA Pediatric Trainees, 1990
Saul A. Fox Award at Cedars-Sinai Medical Center for First Authorship in Peer-Review Journal, 1991
International Health Economics Association Student Paper Competition, 2nd Prize, 1996
Board Certification: American Board of Pediatrics and American Board of Internal Medicine, 1991

Research Projects

Cost-Effectiveness of Antiretroviral Therapy Adherence Interventions

As programs to provide highly active antiretroviral therapy (HAART) are scaled up in sub-Saharan Africa, achieving high rates of medication adherence will be necessary to maximize virologic and clinical outcomes. However, the cost-effectiveness of interventions aiming to increase adherence,...

Impact of TB Preventive Therapy for HIV/TB Co-infected Patients with Access to Highly Active

Antiretroviral Therapy in Rio de Janeiro, Brazil: A Phased Implementation Trial. A project of Consortium to Respond Effectively to the AIDS-TB Epidemic (CREATE)

The THRio study is designed to determine whether the routine detection and treatment of TB infection found in HIV infected patients in HIV clinics in Rio de Janeiro, Brazil, reduces TB incidence in the clinic population receiving HIV care. Involving an estimated 15,000 clinic patients, the...

The Costs of Scaling Up Traffic Enforcement in Kampala

This project will collect public data on the costs of improving traffic safety enforcement in Kampala, Uganda.

Selected Publications

Mohan, C, Bishai, D. et al. Cost Effectiveness of Directly Observed Treatment for TB in Brazil 2007 in press J. IUATLD.

Bishai, D. Opuni, M. Poon, A. "Does the Level of Infant Mortality Affect the Rate of Decline? Time Series Data from 21 Countries" Economics and Human Biology 2006 In Press.

Bishai, D.; Brice, R.; Girod, I.; Saleh, A. and Ehreth, J. "Conjoint Analysis of French and German Parents' Willingness to Pay for Meningococcal Vaccine." Pharmacoeconomics, 2006, In Press.

Bishai, D and Kung, Y "Macroeconomics and Health" in Macrosocial determinants of health Ed. Sandro Galea. Springer Media. in press 2007.

Costilla, V, Bishai, D. "Lawn Mower Injuries in the United States: 1996-2004" Annals of Emergency Medicine 2006 47(6) 567-73.

Bishai, D, M McQuestion, R Chaudhry, and A Wigton. 2006. "The Costs of Scaling Up Vaccination in the World's Poorest Countries." Health Affairs, 25(2) 348-356.

Bishai, D, Patil, P., Pariyo, G. Hill, K. "The Babel Effect: Community Linguistic Diversity and Extramarital Sex in Uganda" AIDS and Behavior 2006 10(4) 369-76.

Bishai D, Hyder A. Modeling the Cost Effectiveness of Injury Interventions in Lower and Middle Income Countries: Opportunities and Challenges. Journal of Cost Effectiveness and Resource Allocation 2006. 4(2).

Bishai D, Astone NM, Argys LM, Filidoro C, Gutendorf R. "A National Sample of U.S. Paternity Tests: Do Demographics Predict Test Outcomes?" Transfusion. 2006; 46(5) 849-53.

Chaudhry, R, Bishai, D: The market for anti-TB drugs and vaccines: incentives for investment in new products. Expert Reviews of Pharmacoeconomics and Outcomes Research 2006 5(6) 775-81. <http://www.future-drugs.com/doi/abs/10.1586/14737167.5.6.775>

Trifiletti, L; Shields, W; Bishai, D; McDonald, E; Reynaud, F; Gielen, A 2005 "Tipping the Scales: Obese Children and Car Safety Seats" Pediatrics 2006 117(4) 1197-202.

Strathdee, S. Erin P. Ricketts, Steven Huettner, Llewellyn J. Cornelius, David Bishai, Jennifer R. Havens, Peter Beilenson, Charles Rapp, Jacqueline Lloy, and Carl Latkin. 2005. "Facilitating Entry into Drug Treatment among Injection Drug Users Referred from a Needle Exchange Program: Results from a Community-based Behavioral Intervention Trial." Journal of Drug and Alcohol Dependence 2006 83(3) 225-32.

Lloyd, Jacqueline J., Erin P. Ricketts, Steffanie A. Strathdee, Llewellyn J. Cornelius, David Bishai, Steven Huettner, Jennifer R. Havens, and Carl Latkin. 2005. "Social Contextual Factors Associated with Entry into Opiate Agonist Treatment Among Injection Drug Users." Am J Drug Alcohol Abuse 31 (4) 555-70.

Smith, P. K., Bogin, B., and Bishai, D. Are time preference and body mass index associated?

- Evidence from the National Longitudinal Survey of Youth. *Econ Hum Biol*, 3(2), 259-270, 2005.
- Mohan CI, Bishai D, Kumar S, ten Asbroek G, Niessen L. Changes in utilization of TB health services in Nepal. *Int J Tuberc Lung Dis*. 2005 Sep;9(9):1054-6.
- Bishai D, Waters H. Targeting or Universal Coverage with Vitamin A? Costs, Mortality and Disparity Reduction. In: Matlin S, editor. *Poverty, Equity and Health Research*. London: Pro-Book Publishing and Global Forum for Health Research; 2005.
- Bishai, D and Adam, T "Economics of Public Health Interventions for Children in Developing Countries" in Jones, A. *Elgar Companion to Health Economics* Elgar Press, 2006
- Kobusingye, O. , Hyder, A. ,Bishai, D, Joshipura, M, Romero-Hicks, E., Mock, C. "Emergency Care" in Jamison, D Mills, A. et al. *Disease Control Priorities in Developing Countries- 2nd Edition* Oxford Press. 2006
- Norton, R. Hyder, A. Bishai, D. Peden, M. "Unintentional Injury" in Jamison, D Mills, A. et al. *Disease Control Priorities in Developing Countries- 2nd Edition* Oxford Press. 2006
- Bishai, D. Quresh, A. , James, P. Ghaffar, A. "National Road Casualties and Economic Development?" *Health Economics* 2005 15(1) 65-81.
- Weden, M, Bishai, D. Astone, N. "Racial, Ethnic, and Gender Differences in Health-related Behavior Associated with Employment and Joblessness through Young Adulthood in the U.S." *Social Science and Medicine* 2005 62(2) 303-16.
- Kobusingye, O. , Hyder, A. ,Bishai, D, Joshipura, M, Romero-Hicks, E., Mock, C. "Investing in Emergency Medical Systems for Low and Middle Income Countries: Recommendations for Action" *Bulletin of World Health Organization* 2005 83(8) 626-31.
- Choi, Y, Bishai, D, Hill, K. Socioeconomic differentials in vitamin A supplementation: evidence from the Philippines *Journal of Health Population and Nutrition*. 23(2):156-64 2005.
- Bishai, D. Kumar, S., Waters, H., Koenig, M., Katz, J., Khatry, S., West, K. "Effects of Vitamin A Distribution in Nepal on Health Equity" *Health Policy and Planning* 20 (1) 2005.
- Bishai, D. "Lifecycle Changes in Time Preference: Testing Becker's Theory of Endogenous Time Preference." 17:583-602 *Journal of Population Economics* 2004.
- Bishai, D, Mercer, D, Tapales, A. "Government Policy's Contribution to Reduced Adolescent Risk Behavior" 40 (2) 197-202 *Preventive Medicine* 2005.
- Ghaffar, A. Hyder, A. Govende, V, Bishai, D. "Road Crashes: A Modern Plague on South Asia's Poor" *Journal of the College of Physicians and Surgeons of Pakistan* 14 (12) 739-741 2004.
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