

Yesim Tozan, MSc, MA, PhD

Research Associate

Disciplines: Health Economics, Health Policy and Planning, Research Methods

Research areas: Economic Evaluation, Systems Science, Monitoring and Evaluation, Malaria, Dengue

Background

Yesim has an environmental engineering background and is trained in Public Affairs. She joined the Institute of Public Health of the University of Heidelberg in 2009 and holds a part-time academic position as a Research Associate. Since 2007, she has been an Assistant Professor of International Health at Boston University School of Public Health. Her areas of expertise include health economic evaluation and health policy analysis, with specific applications to malaria and dengue, and the application of applied research methods in international health research.

Research

Yesim's research focuses on the economic evaluation of health interventions, particularly those involving infectious disease, and the application of system science methods to complex health problems to improve health policy and planning. Currently, Yesim is leading a work package in an EU-funded research project entitled *DengueTools - Innovative Tools and Strategies for the Control of Dengue*, which aims to undertake economic evaluations of an integrated dengue surveillance system in Sri Lanka and a school-based preventive intervention against dengue in Thailand. She is also developing research projects on the burden and socio-economic consequences of neurocognitive impairment caused by childhood malaria in developing countries. In addition, she has conducted research on design, monitoring and evaluation of multi-intervention public health and development programs.

Selected publications

- Thiede, Michael, Olaf Muller, Roland Panea, **Yesim Tozan**, (2011). "Effectiveness and Cost-Effectiveness study of the Affordable Medicines Facility-malaria: Feasibility Report." The Global Fund to Fight AIDS, Tuberculosis and Malaria, Geneva.
- **Tozan, Yesim**, Joel Negin, James Ogola Wariero, (2011). "Improving rural health and eliminating extreme poverty: A case study on the Millennium Villages Project." In: Erik Blas, Johannes Sommerfeld and Anand Sivasankara Kurup (eds). *Social determinants approaches to public health: from concept to practice*. World Health Organization, Geneva.
- **Tozan, Yesim**, Eili Y. Klein, Sarah Darley, Rajashree Panicker, Joel G. Breman (2010). "Pre-referral rectal artesunate for treatment of severe childhood malaria: a cost-effective analysis." *The Lancet* 376:1910–15.
- Sadasivaiah, Shobha, **Yesim Tozan** (co-first author), Joel G. Breman (2007). "DDT for indoor residual spraying in Africa: How can it be used for malaria control?" *American Journal of Tropical Medicine and Hygiene* 77(6): 249-263.
- Ruxin, Josh, Joan E Paluzzi, Paul A Wilson, **Yesim Tozan**, Margaret Kruk, Awash Teklehaimanot (2005). "Emerging consensus on HIV/AIDS, malaria, tuberculosis and access to essential medicines." *The Lancet* 365: 618-21.
- UN Millennium Project (lead author) (2005). *Coming to grips with malaria in the new millennium*. Task Force on HIV/AIDS, Malaria, TB, and Access to Essential Medicines, Working Group on Malaria, Sterling, VA: Earthscan.
- Utzinger, Juerg, **Yesim Tozan**, Burt Singer (2002). "The economic payoffs of integrated malaria control in the Zambian Copperbelt between 1930 and 1950." *Tropical Medicine and International Health* 7(8):657-77.
- Utzinger, Juerg, **Yesim Tozan**, Burt Singer (2001). "Efficacy and cost-effectiveness of environmental management for malaria control." *Tropical Medicine and International Health* 6(9):677-87.