Eben E. Kenah

Current Address:
Fred Hutchinson Cancer Research Center
1100 Fairview Ave. N, Mailstop M2-C200
P.O. Box 19024
Seattle, WA 98109-1024

eek4@u.washington.edu
Tel. 206-667-7334
Fax: 206-667-4378

Education

ScD, Epidemiology	Harvard School of Public Health, 3/2008 Advisor: James M. Robins. Research Committee: James M. Robins, Marc Lipsitch, James H. Maguire
MS, Biostatistics	Harvard School of Public Health, 3/2008
BA	Harvard University, 6/2001 Magna cum laude, "Poverty and health in the developing world"

Experience

9/2008-present	Postdoctoral fellow, Department of Biostatistics University of Washington School of Public Health (Seattle, WA)
11/2006-8/2008	Research Assistant, Models of Infectious Disease Agent Study (MIDAS) Harvard School of Public Health (Boston, MA)
6-8/2007	Los Alamos Mathematical Modeling and Analysis Student Program Los Alamos National Laboratory (Los Alamos, NM)
8/2005-6/2006	Biostatistical consultant ICDDR,B (Dhaka, Bangladesh)
9/2001-8/2005	Pre-doctoral fellow, Epidemiology of Infectious Diseases and Biodefense Harvard School of Public Health (Boston, MA)

Funding

9/2008-present	National Institute of General Medical Sciences grant F32 GM085945 "Linking transmission models and data analysis in infectious disease epidemiology"

Publications

(1) E. Kenah and J. C. Miller (2011). Epidemic percolation networks, epidemic outcomes, and interventions. Accepted to *Interdisciplinary Perspectives on Infectious Disease* special issue *Network Perspectives on Infectious Disease Dynamics.*

(2) E. Kenah (2010). Contact intervals, survival analysis of epidemic data, and estimation of R_0. Accepted to *Biostatistics.*

(3) K. M. Rahman, S. Islam, M. W. Rahman, E. Kenah, C. M. Galive, M. M. Zahid, J. Maguire, M. Rahman, R. Haque, S. P. Luby, and C. Bern (2010). Increasing incidence of post kala-azar dermal leishmaniasis in a population-based study in Bangladesh. *Clinical Infectious Diseases* 50(1): 73-76.

(4) A. K. Halder, E. Gurley, A. Naheed, S. K. Shah, A. Brooks, S. El Arifeen, H. M. S. Sazzad, E. Kenah, and S. Luby (2009). Causes of early childhood death in urban Dhaka, Bangladesh. *PloS ONE* 4(12): e8145.

(5) Y. Yang, J. Sugimoto, M. E. Halloran, N. E. Basta, D. Chao, L. Matrajit, G. Potter, E. Kenah, and I. M. Longini (2009). Transmissibility and control of Novel Influenza A(H1N1) virus. *Science* 326(5953): 729-733.

(6) E. Goldstein, K. Paur, C. Fraser, E. Kenah, J. Wallinga, and M. Lipsitch (2009). Reproductive numbers, epidemic spread, and control in a community of households. *Mathematical Biosciences* 221(1): 11-25.

(7) S. P. Luby, M. J. Hossain, E. S. Gurley, B.-N. Ahmed, S. Banu, S. U. Khan, N. Homaira, P. A. Rota, P. E. Rollin, J. A. Comer, E. Kenah, T. G. Ksiazek, M. Rahman (2009). Recurrent introductions of Nipah virus into humans in Bangladesh, 2001-2007. *Emerging Infectious Diseases* 15(8): 1229-35.

(8) S. P. Luby, M. Agboatwalla, A. Bowen, E. Kenah, Y. Sharker, R. M. Hoekstra (2009). Difficulties in maintaining improved handwashing behavior, Karachi, Pakistan. *American Journal of Tropical Medicine and Hygiene* 81(1): 140-5.

(9) E. Kenah, M. Lipsitch, and J.M. Robins (2008). Generation interval contraction and epidemic data analysis. *Mathematical Biosciences* 213(1): 71-9.

(10)E. Kenah and J. M. Robins (2007). Network-based analysis of stochastic SIR epidemic models with random and proportionate mixing. *Journal of Theoretical Biology* 249(4): 706-22.

(11) E. Kenah and J. M. Robins (2007). Second look at the spread of epidemics on networks. *Physical Review E* 76: 036113.

(12) S. P. Luby, M. Rahman, M. J. Hossain, L. S. Blum, M. M. Husain, E. Gurley, R. Khan, B. N. Ahmed, S. Rahman, N. Nahar, E. Kenah, J. A. Comer, and T. G. Ksiazek (2006). Foodborne transmission of Nipah virus, Bangladesh. *Emerging Infectious Diseases* 12(12): 1888-94.

(13) I.B. Ahluwalia, C. Bern, C. Costa, T. Akter, R. Chowdhury, M. Ali, D. Alam, E. Kenah, J. Amann, M. Islam, Y. Wagatsuma, R. Haque, R. F. Breiman, and J. H. Maguire (2003). Visceral leishmaniasis: consequences of a neglected disease in a Bangladeshi community. *American Journal of Tropical Medicine and Hygiene* 69(6): 624-8.

Other Skills and Experience

Second languages: Bengali (fluent speaking, reading, and writing)

Teaching:

- Gave presentations on the use of statistical models and the EM algorithm and gave a workshop on basic probability concepts for research workers at ICDDR,B (Dhaka, Bangladesh; 11-12/2010).
- Designed and taught a course on biostatistics and epidemiologic methods for senior research staff at ICDDR,B (Dhaka, Bangladesh; 3-4/2006)
- Teaching assistant for biostatistics and epidemiology courses in BRAC University MPH program (Savar, Bangladesh; 4-6/ 2006)
- Taught advanced epidemiology course for BRAC University MPH program (10/2005)

Field epidemiology:

- Helped conduct, translate, and transcribe field interviews for a study of visceral leishmaniasis in Fulbaria, northern Bangladesh (6-7/ 2002)
- Translated protocols, questionnaires, and consent forms; helped develop a database and train data entry staff; and reviewed collection and processing of biological samples for case-control and dosimetry studies of arsenicosis in Pabna, Bangladesh (6-9/2001)

References

Professor Ira M. Longini, Jr.
Department of Biostatistics,
University of Washington School of Public Health
and
Vaccine and Infectious Diseases Institute,
Fred Hutchinson Cancer Research Center

1100 Fairview Ave. N, Box 19024
Seattle, WA 98109-1024
tel. (+1) 206-667-2721
longini@fhcrc.org

Professor M. Elizabeth Halloran
Department of Biostatistics,
University of Washington School of Public Health
and
Vaccine and Infectious Diseases Institute,
Fred Hutchinson Cancer Research Center

1100 Fairview Ave. N, Box 19024
Seattle, WA 98109-1024
tel. (+1) 206-667-2722
betz@fhcrc.org

Professor James Robins
Departments of Epidemiology and Biostatistics,
Harvard School of Public Health

667 Huntington Ave.
Boston, MA 02115
tel. (+1) 617-432-0206
robins@hsph.harvard.edu

Professor Marc Lipsitch
Departments of Epidemiology and
Immunology & Infectious Disease,
Harvard School of Public Health

667 Huntington Ave.
Boston, MA 02115
tel. (+1) 617-432-4559
mlipsitc@hsph.harvard.edu

Dr. Stephen P. Luby
Head, Programme on Infectious Disease and
Vaccine Sciences, ICDDR,B
and
Centers for Disease Control and Prevention

68, Shaheed Tajuddin Ahmed Sarani,
Mohakhali, Dhaka, Bangladesh
tel. (+88) 0171-159-3416
sluby@icddrb.org