

Stephen P. Luby

Stanford University
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Education

Creighton University 1981
Bachelor of Arts, *summa cum laude* (philosophy)

University of Texas--Southwestern Medical School at Dallas
MD 1986

University of Rochester--Strong Memorial Hospital
Internship and residency in Internal Medicine.

Centers for Disease Control -- Epidemic Intelligence Service 1990
Completed Preventive Medicine Residency 1993

Professional Experience

Stanford University
Professor of Medicine (Infectious Diseases & Geographic Medicine), 9/2012 – currently employed
Senior Fellow Woods Institute for the Environment
Senior Fellow Freeman Spogli Institute for International Studies
Director of Research, Center for Innovation in Global Health
Courtesy Appointment Department of Pediatrics

International Centre for Diarrheal Disease Research, Bangladesh (ICDDR,B)
Director, Centre for Communicable Diseases, 8/2004 – 8/2012
Country Director, US Centers for Disease Control, US Embassy Dhaka, 8/2004 – 8/2012

1. Secured funding for and oversaw an externally funded research program
 - a. Increased the annual research funding for the research program from \$400,000 in 2004 to > \$10 million
 - b. Increased the number of scientists working in the unit from 6 in 2004 to 44, and the number of employees from 22 to 500.
2. Coordinate collaboration between ICDDR,B and the Centers for Disease Control and Prevention
3. Facilitate multi-disciplinary research across the administrative divisions within ICDDR,B
4. Editor, *Health and Science Bulletin*, a quarterly surveillance update and original scientific report from ICDDR,B

Centers for Disease Control and Prevention
Medical Epidemiologist, Foodborne & Diarrheal Diseases Branch, 12/98 – 7/04
Major responsibilities

1. Direct the activities of the Cooperative Research and Development Agreement between the Procter and Gamble Company and Centers for Disease Control, Foodborne and Diarrheal Diseases
2. Direct a research program on typhoid fever epidemiology

3. Other principle collaborations
 - a. Consulted with the World Bank, Water and Sanitation Program on assessment of public private partnerships for handwashing promotion
 - b. Supervised Safe Water System collaboration between, *Projet Retro-CI* Abidjan, Ivory Coast and the Foodborne and Diarrheal Disease
 - c. Provided technical support and liaison with the Safe Injection Global Network

Aga Khan University, Karachi, Pakistan

Assistant Professor, Epidemiology, Community Health Sciences Department, 10/93 - 10/98

Major responsibilities:

Teaching:

1. Developed the curriculum and taught epidemiology to Masters of Science in Epidemiology students. Courses include Epidemiology I, Epidemiology II, Epidemiology III, Management Information Systems, Introduction to Microcomputers, Selected Topics in Advanced Epidemiology.
2. Taught epidemiology to medical undergraduates

Research:

1. Developed an independently funded research program.
2. Supervised the research officer program, a program for recent medical graduates who performed epidemiologic research and prepared their findings for publication.
2. Supervised the research activities of the community medicine residents.
3. Assisted members of the department in protocol development and manuscript writing. 4.

Service:

1. Chaired the committee that developed the proposal for a Master of Science in Epidemiology Program at the Aga Khan University. The proposal was ultimately approved and the program begun in October 1996.
2. Chaired the committee that restarted the Community Medicine Residency Program. The proposal was ultimately approved and the program enrolled its first residents in December 1996.
3. Directed the Information Services Unit for the Community Health Science Department including personnel management, purchasing decisions, and developing a rigorous system for data management. 1/94 - 10/98.
4. Directed the epidemiology unit, which supported the epidemiologic research efforts of the department.

Centers for Disease Control and Prevention, Atlanta, Georgia

Preventive Medicine Resident, Malaria Branch, 7/92 - 9/93

Major activities:

1. Field supervisor for Malaria case definition study, Mangochi and Nkhoma, Malawi 4/93-5/93
2. Supervised field activities and was malaria branch liaison to North Carolina state and local health departments during investigation of the rapid resettlement of Vietnamese Montagnard refugees
3. Coordinated the field exercise study for the incoming class of 1993 Epidemic Intelligence Service officers.

Centers for Disease Control, Atlanta, Georgia

Epidemic Intelligence Service officer, Division of Field Epidemiology

stationed at South Carolina Department of Health and Environmental Control 7/90 - 6/92

Major activities:

1. Investigated 11 acute outbreaks including 3 nosocomial tuberculosis outbreaks, an evaluation of the risk of HIV transmission from an HIV-infected dentist to patients, the state's largest ever

reported food-borne outbreak, and an investigation of gamma hydroxy butyrate use among weight lifters and recreational users.

2. Served as a technical support officer for a UNICEF/USAID/WHO/CDC sponsored vaccine coverage and malaria and HIV/AIDS knowledge attitude and practices survey Haut-Zaire region, Zaire 2/91 - 3/91
3. Performed 2 analytic studies of statewide HIV surveillance data.

The Genesee Hospital, Rochester, New York
500 bed tertiary care inner city hospital
Attending physician, Emergency Division 6/89 - 6/90

Strong Memorial Hospital, Rochester, New York
Internal medicine resident 6/86 - 6/89

University of Texas Health Science Center, Dallas
Computer Programmer, Assembler language and FORTRAN
Pulmonary physiology laboratory 1/84 - 5/86

Hartford Hospital, Hartford Connecticut
Computer Programmer, Event Driven Language and BASIC
Pulmonary laboratory 6/81 - 8/82

Certifications and Awards

Inaugural Oklahoma University International WaTER Prize, 2009, (to recognize an individual who has made significant international contributions, either through research or teaching or service activities, in the field of water supply and sanitation, with a focus on the world's poorest living in small villages/communities in rural or remote regions.)

Manuscript awards:

- Shepard Award, (Centers for Disease Control and Prevention)
 - Best Paper in the Prevention Category, 2015 (co-author) (Estívariz CF et al. Randomized clinical trial evaluating the immunogenicity of three doses of bivalent or monovalent oral poliovirus vaccines provided with short or standard schedules. *Lancet Infect Dis.* 2015; pii: S1473-3099(15)00094-8.)
 - Best Paper in the Assessment Category 2013 (senior author) (Sultana NK et al. Impact of the introduction of the *Haemophilus influenzae* type b conjugate vaccine into childhood immunization on meningitis in Bangladeshi infants. *Journal of Pediatrics.* 2013 Jul;163(1 Suppl):S73-8.)
 - Best Paper in the Prevention Category, 2005 (first author) (Luby SP et al. Effect of handwashing on child health: a randomised controlled trial. *Lancet.* July 15, 2005; 366:225-33.)
- *American Journal of Epidemiology* 2014 Article of the Year (co-author) : Gurley ES, et al. Indoor exposure to particulate matter and children's age at first acute lower respiratory infection in a low-income, urban community in Bangladesh. *American Journal of Epidemiology.* 2014 Apr 15;179(8):967-73.
- Favourite paper in infectious diseases, 2005. (Lancet Infectious Diseases, December 2005), (Luby SP et al. *Lancet.* July 15, 2005; 366:225-33.)

- Senior author on Alexander D. Langmuir Prize Manuscript, Center for Disease Control, 2001. (Brooks JT et al.. *Salmonella* Typhimurium infections transmitted by chlorine-pretreated clover sprout seeds. *Am J Epidemiol.* 2001 154(11):1020-8.)
- Nakano Award Manuscripts, Centers for Disease Control:
 - 2012 (Bowen A et al. Improvements in child development following a cluster-randomized, controlled trial of intensive handwashing promotion in Karachi, Pakistan. *Arch PediatrAdolesct Med.* 2012 Sep 17:1-8.)
 - 2007 (Chiller TM et al. Reducing diarrhea in Guatemalan children: a randomized controlled trial of a flocculent-disinfectant for drinking water. *Bull WHO.* 2006 Jan;84(1):28-35.)
 - 2005 (Luby SP, et al, Agboatwalla M, Painter J, Altaf A, Billhimer WL, Hoekstra RM. Effect of intensive handwashing promotion on childhood diarrhea in high-risk communities in Pakistan: a randomized controlled trial. *JAMA* 2004;291:2547-54.)
 - 2004 (Reller ME, et al. A randomized controlled trial of household based flocculant-disinfectant drinking water treatment for diarrhea prevention in rural Guatemala. *Am J Trop Med Hyg.* 2003; 69:411-419.)

Begum Rokeya Sakhawat Hossain Teaching Excellence Award, James P Grant School of Public Health, BRAC University,

- Inaugural award 2012
- Repeat award 2014
- Repeat award 2015

Outstanding Teaching Award, Department of Community Health Sciences, Aga Khan University, 1996

Center for Global Health Director's Medal of Excellence in Global Health (CDC, 2012)

Diplomate, National Board of Medical Examiners, 1987, #332215

Diplomate, American Board of Internal Medicine, 1989, #127955

Medical License

- Georgia, 1992 - 2006, #035937
- Virginia, 2007 – 2014, #0101242859
- California, 2014 – current, #132799

US Government Top Secret Security Clearance, 2004 - 2014

HIV/AIDS Prevention Shield, for contributions to prevention of HIV/AIDS in Sindh, Pakistan, Government of Sindh, 2001

Contribution to water and health research profiled in *Lancet* (Kirby T, Profile Stephen Luby: promoting the importance of water for health, *Lancet.* 2010 Dec 12;374:1961.)

Work on Nipah virus profiled in *Science*. (Stone R. Breaking the chain in Bangladesh, *Science.* 2011 March 4; 331:1128-1131.

Affiliations

BRAC University, James P. Grant School of Public Health

- Co-taught Introduction to Epidemiology Class with Dr. Shams el Arifeen, 2007 – 2011
- Co-directed and taught, The Epidemiology of Infectious Diseases of Public Health Importance, with Dr. Richard Cash 2006 – 2016.

The American Society of Tropical Medicine and Hygiene, Member

EcoHealth Alliance, Science and Policy Advisory Group

One Health Bangladesh, Advisory Committee

Safe Injection Global Network, Member

Public Private Partnership for Handwashing Promotion, Global Steering Committee, Member

Languages

English - native language, speak and write fluently

Bengali – fluent intermediate conversational and presentation skills

Spanish – Have worked professionally in Spanish speaking countries including negotiation of projects, protocols, and implementation details with Spanish speaking colleagues, scientific presentations, and routine correspondence

French – somewhat out of practice basic conversational, reading, and writing skills

Urdu – quite out of practice basic conversational skill

Current Research Projects

1. Impact of low-cost in-line chlorination systems in urban Dhaka on water quality and child in Goal: Evaluate the impact of a compound level water treatment intervention on child diarrhea
Funder: World Bank; \$446,672; 2013-2017
Investigators: Luby SP, Pickering A, Winch P, Unicomb L
Role: Principal Investigator
2. Pigs and Parasites: Developing Interventions to End Cycles of Poverty Caused by *Taenia solium* and Neurocysticercosis
Goal: Assess the pathways of *Taenia solium* transmission in rural Sichuan District, China. Develop and iteratively revise interventions to interrupt transmission.
Funder: Stanford SEED; \$307,663 2016 – 2019
Investigators Luby SP, Rozelle S, Felt S, Openshaw J.
Role: Principal Investigator
3. Arbovirus-associated acute febrile illness in Liberia in: Exploration of incidence and etiology
Goal: Add community incidence estimates to a laboratory surveillance platform in Liberia
Funder: U.S. Navy; \$225,000 2015 – 2017
Investigators: Luby SP, Horng L, Andrews J, LaBeaud D, Christy N, DiClaro D, Bolay F, Fakoli L
Role: Principal Investigator

4. Assessing brick kilns number, location and use in Bangladesh
 Goal: Utilize remote satellite sensing to generate publicly available maps of brick kilns in Bangladesh and use this to stimulate efforts to reduce pollution
 Funder: Woods Institute for the Environment; \$200,000; 2016 – 2018
 Investigators: Luby S, Zebker H, Fukuyama F.
 Role: Principal Investigator

5. Reducing lead in food storage cans in Bangladesh;
 Goal: To identify strategies to reduce the use of lead solder in Bangladesh.
 Funder: Freeman Spogli Institute; \$50,000; 2016 - 2017
 Investigator: Luby SP.
 Role: Principle investigator

6. Measuring the effect of water, sanitation, and handwashing interventions for improving health and development
 Goal: Evaluate the effect of water, sanitation hygiene and nutrition interventions alone and in combination on child growth, health and development.
 Funder: Bill and Melinda Gates Foundation; \$31,123,427; 2009 - 2017
 Investigators: Colford JM, Arnold B, Fernald L, Haque R, Hubbard A, Kremer M, Luby SP, Null C, Unicomb L
 Role: Co-Principal Investigator

7. Research on Integrated Nutrition, Early childhood stimulation and WASH
 Goal: Develop and deliver a scalable health worker based intervention that improves water, sanitation, hygiene, maternal antenatal nutrition, child nutrition, early childhood stimulation and reducing lead exposure.
 Funder: Bill and Melinda Gates foundation; \$2.5 million; 2016 to 2020
 Investigators: Rahman M, Luby SP, Winch PW, Fernald L, Stewart, Mridha M, Tofail F.
 Role: Co-Principal Investigator

8. Effects of sanitation on pathogen transmission and child health in Bangladesh
 Goal: To measure the effect of sanitation interventions on environmental fecal contamination
 Funder: National Institutes of Health; \$2,271,443; 2014 - 2018
 Investigators: Colford JM, Luby SP, Nelson K, Unicomb L, Hubbard A, Arnold B, Pickering A, Ercumen A
 Role: Co-investigator

9. Environmental Arsenic Exposure, microbiome, and human health
 Goal: Assess the impact of the microbiome on mediating the impact of arsenic exposure on health
 National Institutes of Health; \$955,039; 2014–2017
 Investigators: Relman D, Luby SP
 Role: Co-investigator

10. Piloting menstrual hygiene management interventions among urban and rural schools in Bangladesh
 Goal: To develop comprehensive school-based interventions to increase adolescent girls comfort and skills with menstrual hygiene management in schools.
 Funder: Bill and Melinda Gates Foundation; \$500,000; 2016 to 2018
 Investigators: Sultana F, Alam M, Luby SP, Winch P, Tofail F, Unicomb L.
 Role: Co-investigator

11. Health impacts of a climate change adaptation strategy to address drinking-water salinity in coastal Bangladesh
 Goal: Evaluate the impact of a managed aquifer recharge intervention on hypertension in the community.
 Funder: Wellcome Trust; \$462,831; 2016 – 2017
 Investigators: Unicomb L, Burgess W, Ahmed K, Titu M, Rahman M, Luby SP
 Role: Co-investigator

12. Conversion of biogas from organic wastes into a high-value fish food supplement for Aquaculture in Bangladesh
 Goal: Convert potent greenhouse gas into a product that generates income and improves community health
 Funder: Stanford SEED; \$378,000; 2015-2017
 Investigators: Criddle C, Luby SP, Narayanan S.
 Role: Co-investigator

13. Spillover effects of water, sanitation, and hygiene interventions on child health
 Goal: Assess the impact of sanitation interventions on neighbors health in rural Bangladesh
 Funder: National Institutes of Health; \$368,507; 2014 - 2017
 Investigators: Colford JM, Hubbard A, Luby SP, Unicomb L, Arnold B
 Role: Co-investigator

14. Impact of PCV-10 on invasive pneumococcal disease in rural Bangladesh
 Goal: Assess the impact of pneumococcal conjugate vaccine introduction on childhood meningitis and otitis media in Bangladesh.
 Funder: GlaxoSmithKline; \$250,000; 2015 - 2018
 Investigators: Saha SK, Arifeen S, Luby SP
 Role: Co-investigator

15. Quantifying Ascaris: changing the game in sustainable agriculture and in the fight against parasitic intestinal diseases
 Goal: Develop a valid low cost technique for measuring viable Ascaris eggs in environmental samples
 Funder: Stanford Woods Institute for the Environment; \$200,000; 2014 – 2017
 Investigators: Tang SK-Y, Criddle C, Luby SP, Smith DS
 Role: Co-investigator

16. Lotus water: safe water solutions for developing cities
 Goal: Assess automatic disinfection technologies' use at low-income urban shared water collection points.
 Funder: Stanford Woods Institute for the Environment; \$174,958; 2015 - 2017
 Investigators: Davis J, Luby SP;;
 Role: Co-investigator

17. Designing preferred windows to maximize household ventilation in urban slums in Dhaka, Bangladesh
 Goal: Design low cost windows that would improve ventilation and health in Dhaka slums
 Funder: Stanford Center for Innovation in Global Health; \$54,000; 2016 - 2017
 Investigators: Hildemann LM, Luby SP
 Role: Co-investigator

Bibliography

Published work includes >300 original peer reviewed manuscripts including

- 41 as first author
- 116 as senior author
- 37 as second author
- 43 manuscripts represent the first scientific publication of the mentored first author.

Web of Science

- Hirsh index = 39
- 9 manuscripts cited > 100 times

In Press

1. Haque F, Sturm-Ramirez K, Homaira N, Gurley ES, Hossain MJ, Hasan SMM, Chowdhury S, Sarker S, Khan AKMD, Rahman M, Rahman M, **Luby SP**. Influenza B Virus Outbreak at a Religious Residential School for Boys in Northern Bangladesh, 2011. *Influenza and Respiratory Viruses*. In Press.
2. Hegde S, Sazzad HMS, Hossain MJ, Alam M, Kenah E, Daszak P, Rollin P, Rahman M, **Luby SP**, Gurley ES. Investigating rare risk factors for Nipah virus in Bangladesh: 2001 to 2012. *EcoHealth*. In Press.
3. Horng L, Unicomb L, Alam M, Halder A, Ghosh PK, Opel A, Islam K, **Luby S**. Health worker and family caregiver hand hygiene in Bangladeshi healthcare facilities: results from the Bangladesh National Hygiene Baseline Survey. *Journal of Hospital Infection*. In press.
4. Shanta ISS, Hasnat MA, Zeidner N, Gurley ES, Sharker MAY, Hossain K, Khan SU, Haider N, Bhuyan AA, Azziz-Baumgartner E, Hossain MA, **Luby SP**. Raising backyard poultry in Bangladesh: Financial and nutritional benefits, but persistent risky practices. *Transbound Emerg Dis*. In press.
5. Openshaw J, Hegde S, Sazzad HMS, Khan SU, Hossain MJ, Epstein JH, Daszak P, Gurley ES, **Luby SP**. Bat Hunting and Bat-Human Interactions in Bangladeshi Villages: Implications for Zoonotic Disease and Bat Conservation. *Transboundary and Emerging Diseases*. In press.
6. Amin N, Crider YS, Unicomb L, Das KK, Gope PS, Mahmud ZH, Islam MJ, Davis J, **Luby SP**, Pickering AJ. Field trial of an automated batch chlorinator system at shared water points in an urban community of Dhaka, Bangladesh. *Journal of Water, Sanitation and Hygiene for Development*. In Press.
7. Haider N, Sturm-Ramirez K, Khan SU, Rahman MZ, Sarkar S, Poh MK, Shivaprasad HL, Kalam MA, Paul SK, Karmakar PC, Balish A, Chakraborty A, Mamun AA, Mikolon AB, Davis CT, Rahman M, Donis R, Heffelfinger JD, **Luby SP**, Zeidner N. Unusually high mortality in waterfowl caused by highly pathogenic avian influenza A(H5N1) in Bangladesh. *Transboundary and Emerging Diseases*. In Press.

Original Scientific Publications

1. Rimi NA, Sultana R, Ishtiaq-Ahmed, Rahman MZ, Hain M, Islam MS, Azziz-Baumgartner E, Nahar N, Gurley ES, **Luby SP**. Understanding the Failure of a Behavior Change Intervention to Reduce Risk Behaviors for Avian Influenza Transmission among Backyard Poultry Raisers in Rural Bangladesh: a Focused Ethnography. *BMC Public Health*. 2016 Aug 24;16(1):858. doi: 10.1186/s12889-016-3543-6.
2. Nizame FA, Leontsini E, **Luby SP**, Nuruzzaman M, Parveen S, Winch PJ, Ram PK, Unicomb L. Hygiene Practices during Food Preparation in Rural Bangladesh: Opportunities to Improve the Impact of Handwashing Interventions. *Amer J Trop Med Hyg*. 2016 Aug 3;95(2):288-97. doi: 10.4269/ajtmh.15-0377.
3. Islam MS, Mahmud ZH, Islam MS, Saha GC, Zahid A, Ali AZ, Hasan MQ, Islam K, Jahan H, Hossain Y, Hasan MM, Cairncross S, Carter R, **Luby SP**, Cravioto A, Endtz HP, Faruque SM, Clemens JD. Safe Distances between groundwater based water point and pit latrine at different hydrogeologic conditions in Bangladesh. *Journal of Health Population and Nutrition*. 2016 Aug 19;35(1):26.
4. Parveen, S, Islam MS, Begum M, Alam MU, Sazzad HMS, Sultana R, Rahman M, Gurley ES, Hossain MJ, **Luby SP**. It's not what you say, it's how you say it: Communicating Nipah virus prevention messages during an outbreak in Bangladesh. *BMC Public Health*. 2016 Aug;16:726.
5. Kwong LH, Ercumen A, Pickering AJ, Unicomb L, Davis J, **Luby SP**. Hand- and Object-Mouthing of Rural Bangladeshi Children 3-18 Months Old. *Int J Environ Res Public Health*. 2016 Jun 4;13(6). pii: E563
6. Saha SK, Hossain B, Islam M, Chowdhury M, Saha S, Hasan M, Darmstadt GL, Arifeen SE, Baqui AH, Breiman R, Santosham M, **Luby SP**, Whitney C. Epidemiology of invasive pneumococcal disease in Bangladeshi children before introduction of pneumococcal conjugate vaccine. *Pediatric Infectious Disease Journal*. 2016 June;35(6):655-61.
7. Rahman MJ, Nizame FA, Nuruzzaman M, Akand F, Islam MA, Parvez SM, Stewart CP, Unicomb L, **Luby SP**, Winch PJ. Towards a Scalable and Sustainable Intervention for Complementary Food Safety. *Food and Nutrition Bulletin*. 2016 Jun;37(2):186-201.
8. Guiteras R, Levine DI, **Luby SP**, Polley TH, Khatun-e-Jannat K, Unicomb L. Disgust, Shame, and Soapy Water: Tests of Novel Interventions to Promote Safe Water and Hygiene. *Journal of the Association of Environmental and Resource Economists*. 2016 June;3(2):321-359.
9. Harris A, Pickering A J, Harris M, Doza S, Islam MS, Unicomb L, **Luby S**, Davis J, Boehm AB. 2016. Ruminants contribute fecal contamination to the household environment in Dhaka, Bangladesh. *Environmental Science & Technology*, 50(9), 4642-4649.
10. Gerloff N, Khan SU, Zanders N, Balish A, Haider N, Islam A, Chowdhury S, Rahman MZ, Haque A, Hosseini P, Gurley E, **Luby SP**, Wentworth DE, Donis RO, Sturm-Ramirez K, Davis, T. Genetically diverse low pathogenicity avian influenza A virus subtypes co-circulate among poultry in Bangladesh. *PLoS One*. 2016 Mar;11(3):e0152131.

11. Islam MS, Sazzad HMS, Satter SM, Sultana S, Hassan M, Rahman M, Hossain MJ, **Luby SP**, Gurley ES. Nipah transmission from bats to humans associated with drinking traditional liquor (tari) made from date palm sap in Bangladesh, 2011-2014. *Emerging Infectious Disease*. 2016 Apr;22(4):664-70.
12. Ao TT, TA, Rahman M, Haque F, Chakraborty A, Hossain MJ, Haider S, Alamgir A, Sobel J, **Luby SP**, Gurley ES. Low-Cost National Media-Based Media-Based Surveillance System for Public Health Events in Bangladesh. *Emerging Infectious Diseases*. 2016 Apr;22(4):720-2.
13. Paul RC, Faruque ASG, Alam M, Iqbal A, Zaman K, Islam N, Sobhan A, Das SK, Malek MA, Qadri F, Cravioto A, **Luby SP**. Incidence of severe diarrhoea due to *Vibrio cholerae* in the catchment area of six surveillance hospitals in Bangladesh. *Epidemiology and Infection*. 2016 Apr;144(5):927-39.
14. Homaira N, **Luby SP**, Hossain K, Islam K, Ahmed M, Rahman M, Rahman Z, Paul RC, Bhuiyan MU, Brooks WA, Sohel BM, Banik KC, Widdowson MA, Willby M, Erdman DD, Bresee J, Rahman M, Iwane MK, Sturm-Ramirez K, Azziz-Baumgartner E. (2016) Respiratory viruses associated hospitalization among children aged <5 years in Bangladesh: 2010–2014. *PLoS One*. 11(2): e0147982
15. Openshaw JJ, Hegde S, Sazzad HM, Khan SU, Hossain MJ, Epstein JH, Daszak P, Gurley ES, **Luby SP**. Increased Morbidity and Mortality in Domestic Animals Eating Dropped and Bitten Fruit in Bangladeshi Villages: Implications for Zoonotic Disease Transmission. *Ecohealth*. 2016 Mar;13(1):39-48.
16. Hoy-Schultz YE, Jannat K, Roberts T, Zaidi SH, Unicomb L, **Luby S**, Parsonnet J. Safety and acceptability of *Lactobacillus reuteri* DSM 17938 and *Bifidobacterium longum* subspecies infantis 35624 in Bangladeshi infants: a phase I randomized clinical trial. *BMC Complement Altern Med*. 2016 Feb 2;16(1):44
17. Chakraborty A, Sazzad HMS, Hossain MJ, Islam MS, Parveen S, Husain M, Banu SS, Podder G, Afroz S, Rollin PE, Daszak P, **Luby SP**, Rahman M, Gurley ES. Evolving epidemiology of Nipah virus infection in Bangladesh: Evidence from outbreaks during 2010-11. *Epidemiology and Infection*. 2016 Jan;144(2):371-80.
18. Benjamin-Chung J, Nazneen A, Halder AK, Haque R, Siddique A, Uddin MS, Koporc K, Arnold BF, Hubbard A, Unicomb L, **Luby SP**, Addiss DG, Colford JM. The interaction of deworming, improved sanitation, and household flooring with soil-transmitted helminth infection in rural Bangladesh, *PLoS Negl Trop Dis* 2016; 9 (12): e0004256. doi:10.1371/journal.pntd.0004256
19. Nahar N, Uddin M, Gurley ES, Hossain MJ, Sultana R, **Luby S**. Cultural and economic motivation of pig raising practices in Bangladesh. *EcoHealth*. 2015 Dec; 12(4):611-620.
20. Amand A, Zaman K, Estívariz CF, Yunus M, Gary H, Weldon WC, Oberste MS, Wassilak SG, Luby SP, Hefflinger JD, Pallansch MA. Early priming with inactivated poliovirus vaccine (IPV) and intradermal fractional dose IPV administered by a microneedle device: A randomized controlled trial. *Vaccine*. 2015 Nov 27;33(48):6816-22.

21. Haque F, Banu SS, Ara K, Chowhury IA, Chowdhury SA, Kamili S, Rahman M, **Luby SP**. An outbreak of hepatitis E in an urban area of Bangladesh. *Journal of Viral Hepatitis*. 2015 Nov; 22(11):948-56.
22. **Luby SP**, Halder AK, Huda TM, Unicomb L, Islam MS, Arnold BF, Johnston RB. Microbiological contamination of drinking water associated with subsequent child diarrhoea. *Amer J Trop Med Hygiene*. 2015 Nov 4;93(5):904-11.
23. Nahar N, Paul RC, Sultana R, Gurley ES, Garcia F, Abedin J, Sumon SA, Banik KC, Asaduzzaman M, Rimi NA, Rahman M, **Luby SP**. Raw sap consumption habits and its association with knowledge of Nipah virus in two endemic districts in Bangladesh. *PLoS One*. 2015 10(11): e0142292.
24. **Luby SP**, Biswas D, Gurley ES, Hossain I. Why highly polluting methods are used to manufacture bricks in Bangladesh. *Energy for Sustainable Development*. 2015 (28):68-74.
25. Qadri F, Ali M, Chowdhury F, Khan Ai, Shaha A, Khan IA, Begum YA, Bhuiyan TR, Chowdhury MI, Uddin MJ, Khan JA, Chowdhury AI, Rahman A, Siddique SA, Asaduzzaman M, Akter Afroza, Khan MA, You YA, Siddik MAU, Shaha NC, Kabir A, Riaz BK, Biswas S, Begum F, Unicomb L, **Luby SP**, Cravioto A, Clemens JD. Effectiveness of the oral cholera vaccine, Shanchol™ in an urban "cholera-endemic" setting in Bangladesh: a cluster-randomized non-blinded trial. *Lancet*. 2015. pii: S0140-6736(15)61140-0.
26. Ram PK, DiVita MA, Khatun-e-Jannat K, Islam M, Rook K, Cercone E, Sohel BM, Ahmed M, Rahman AMQ, Rahman M, Yu Jihnee, Brooks WA, Azziz-Baumgartner E, Fry AM, **Luby SP**. Impact of intensive handwashing promotion on secondary household influenza-like illness in rural Bangladesh: Findings from a randomized controlled trial. *PLoS One*. 2015; 10(6):e0125200.
27. Khatun S, Chakraborty A, Rahman M, Banu N, Rahman M, Hassan S, **Luby SP**, Gurly ES. An Outbreak of Chikungunya in rural Bangladesh, 2011. 2015; *PLoS Negl Trop Dis* 9(7): e0003907.
28. Estívariz CF, Anand A, Gary HE, Rahman M, Islam J, Bari TI, Wassilak S, Chu SY, Weldon WC, Pallansch MA, Heffelfinger JD, **Luby SP**, Zaman K. Randomized clinical trial evaluating the immunogenicity of three doses of bivalent or monovalent oral poliovirus vaccines provided with short or standard schedules. *Lancet Infect Dis*. 2015; pii: S1473-3099(15)00094-8.
29. Doshi S, Silk BJ, Dutt D, Ahmed M, Cohel AL, Taylor TH, Brooks WA, Goswami D, **Luby SP**, Fry AM, Ram PK. Household-level risk factors for influenza among young children in Dhaka, Bangladesh: a case-control study. *Trop Med Int Health*. 2015 Jun;20(6):719-29.
30. Haider N, Rahman MS, Khan MSU, Mikolon A, Osmani MG, Gurley ES, Shanta IS, Paul SK, Macfarlane-Berry L, Islam A, Islam A, Desmond J, Epstein JH, Daszak P, Priestly RA, Kersh GJ, **Luby SP**, Rahman MZ, Massung RF, Zeidner N. Serological evidence of *Coxiella burnetii* infection in cattle and goats in Bangladesh. *EcoHealth*. 2015 Jun;12(2):354-8.
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Submitted Manuscripts

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8. Nahar N, Asaduzzaman M, Sultana R, Garcia F, Paul RC, Abedin J, Sazzad HMS, Rahman M, Gurley ES, Luby SP. A large-scale behavior change intervention to prevent Nipah transmission in Bangladesh: Components and costs. *BMC Research Notes*. Under review.
9. Ercumen A, Naser AM, Arnold BF, Unicomb L, Colford JM, Luby SP. Can sanitary inspection surveys predict risk of microbiological contamination of groundwater sources? Evidence from shallow tubewells in rural Bangladesh. *American Journal of Tropical Medicine and Hygiene*. Under review.
10. Ashraf S, Nizame FA, Akhter S, Islam M, Dutta NC, Yeasmin D, Winch P, Abedin J, Ram PK, Unicomb L, Leontsini E, Luby SP. Non-randomized trial of feasibility and acceptability of alternative strategies for promotion of soapy water as a hand washing agent in rural Bangladesh. *American Journal of Tropical Medicine and Hygiene*. Under review.
11. Biswas D, Gurley ES, Rutherford S, Luby S. The drivers and impacts of selling topsoil for brick

- making in Bangladesh. *Soil & Tillage Research*. Under review.
12. Ercumen A, Arnold BF, Naser AM, Unicomb L, Colford JM, Luby SP. Potential sources of bias in the use of *Escherichia coli* to measure waterborne diarrhea risk in low-income settings. *Tropical Medicine and International Health*. Under review.
 13. Satter SM, Gastañaduy PA, Islam K, Rahman M, Rahman M, Luby SP, Heffelfinger JD, Parashar UD, Gurley ES. Hospital-Based Surveillance for Rotavirus Gastroenteritis among Young Children in Bangladesh: Defining the Potential Impact of a Rotavirus Vaccine Program. *Pediatric Infectious Disease Journal*. Under review.
 14. Al-Emran HM, Kakoly NS, Luby SP, Modak JK, Islam M, El Arifeen SE, Khan NZ, Baqui AH, Breiman RF, Saha SK. Pneumococcal Meningitis in under-5 children of urban Bangladesh: Incidence, outcome and serotype coverage in pre-vaccine era. *Clinical Infectious Disease*. Under review
 15. Yeasmin F, Luby SP, Saxton RE, Nizame FA, ul-Alam M, Dutta NC, Masud AA, Yeasmin D, Layden A, Rahman H, Abbott R, Unicomb L, Winch PJ. Piloting a low-cost hardware intervention to reduce improper disposal of solid waste in communal toilets in low-income settlements in Dhaka, Bangladesh. *BMC Public Health*. Under review.
 16. Faruque LI, Uz-Zaman R, Gurley ES, Massung RF, Alamgir ASM, Galloway RL, Powers AM, Bai Y, Kosoy M, Nicholson SL, Rahman M, Luby SP. Prevalence and clinical presentation of Rickettsia, Coxiella, Leptospira, Bartonella and Chikungunya virus infections among hospitalized febrile patients from December 2008 to November 2009 in Bangladesh. *PLoS Neglected Tropical Diseases*. Under review.
 17. Kamm K, Nasreen S, Vujcic J, Rahman MA, El-Arifeen S, Zaman K, Luby SP, Ram PK. Impact of a brief in-home neonatal health promotion on self-reported birth and neonatal care practices in rural Bangladesh." *Maternal and Child Health Journal*. Under review.
 18. Hussain F, Luby SP, Unicomb L, Leontsini E, Naushin T, Buckland AJ, Winch PJ. Assessment of the acceptability and feasibility of child potties for safe child feces disposal in rural Bangladesh. *American Journal of Tropical Medicine and Hygiene*. Submitted.
 19. Sazzad HMS, Saha SK, Labrique AB, Teo CG, Luby SP, Gurley ES. Surveillance at private laboratories identifies small outbreaks of hepatitis E in urban Bangladesh. *Amer J Tropical Med Hyg*. Submitted.
 20. Rimi NA, Sultana R, Muhsina M, Uddin B, Haider N, Nahar N, Zeidner N, Sturm-Ramirez K, Luby SP. Biosecurity conditions and farmers' perception of avian influenza and biosecurity in small commercial chicken farms, Bangladesh 2011-12. *EcoHealth*. Submitted.
 21. Sultana F, Nizame F, Southern DL, Unicomb L, Winch PJ, Luby SP. Pilot of an Elementary School Respiratory Hygiene Intervention: Acceptability, Feasibility and Potential for Sustainability. *American Journal of Tropical Medicine and Hygiene*. Submitted.
 22. Halder AK, Luby SP, Akhter S, Ghosh PK, Johnston RB, Unicomb L. Incidences and costs of illness for diarrhoea and acute respiratory infections for children <5 years of age in rural Bangladesh. *PLoS*

One. Submitted.

23. Benjamin-Chung J, Sultana S, Halder AK, Ahsan MA, Arnold BF, Hubbard A, Unicomb L, **Luby SP**, Colford JM. Causal inference methods to study how implementation quality influences the impact of large-scale public health programs: An example from a national water, sanitation, and hygiene program in Bangladesh (SHEWA-B). *PLoS One*. Under review.
24. Weaver AM, Parveen S, Goswami D, Crabtree-Ide C, Rudra C, Yu Jihnee, Mu L, Fry AM, Sharmin I, Brooks WA, **Luby SP**, Ram PK. Pilot intervention study of household ventilation and fine particulate matter concentrations in a low-income urban area, Dhaka, Bangladesh. *Indoor Air*. Under review.
25. Ashraf S, Arnold BF, Unicomb L, Hussain F, Clasen T, **Luby S**. Factors associated with human faeces observed around households in a setting with high latrine coverage in rural Bangladesh. *Trop Med Int Health*. Under Review.

Textbook Chapters

1. Daszak P, Plowright R, Epstein JH, Pulliam J, Abdul Rahman S, Field HE, Smith CS, Olival KJ, **Luby S**, Halpin K, Hyatt AD. & the Henipavirus Ecology Research Group (HERG). The emergence of Nipah and Hendra virus: pathogen dynamics across a wildlife-livestock-human continuum. In: Collinge S, Ray S, editors. *Disease Ecology: Community structure and pathogen dynamics*. Oxford University Press, 2006; pp. 186-201.
2. Larson CP, Henning L, **Luby S**, Faruque ASG. Infectious Childhood Diarrhea in Developing Countries, in *Modern Infectious Disease Epidemiology: Concepts, Methods, Mathematical Models and Public Health*. (Eds) Kramer A, Kretzschmar M, Krickeberg K. 2010, pp 291-308.
3. Witt CJ, Pinzon JE, Manibusan PA, Pavlin JA, Gibbons RV, Myers TE, Richards AL, Daszak P, **Luby SP**, Epstein JH, Hossain MJ, Gurley ES, Pulliam JRC, Zaye A, Abdel-Dayem MS, Collacicco-Mayhugh MG. (2013) Emerging and re-emerging diseases. In: *Environmental Tracking for Public Health Surveillance*, Eds. Morain S & Budge A, Taylor and Francis Group, London, UK, pp. 187-226.
4. **Luby S**. The Cultural Anthropological Contribution to Communicable Disease Epidemiology. In: *When Culture Impacts Health: Global Lessons From Asia and Australasia for Effective Health Interventions*. Banwell C, Uligaszek S, Dixon J. editors. Elsevier, 2013; pp 43 - 52.
5. Parveen S, Sultana R, **Luby S**, Gurley ES. Anthropological approaches to outbreak investigations in Bangladesh. In: *When Culture Impacts Health: Global Lessons From Asia and Australasia for Effective Health Interventions*. Banwell C, Uligaszek S, Dixon J. editors. Elsevier, 2013; pp 215-224.
6. Islam SI, **Luby SP**, Gurley ES. Developing culturally appropriate interventions to prevent person-to-person transmission of Nipah Virus in Bangladesh: cultural epidemiology in action. In: *When Culture Impacts Health: Global Lessons From Asia and Australasia for Effective Health Interventions*. Banwell C, Uligaszek S, Dixon J. editors. Elsevier, 2013; pp 329-337.

7. Arman S, Unicomb L, **Luby SP**. A qualitative exploration of factors affecting uptake of water treatment technology in rural Bangladesh. In: *When Culture Impacts Health: Global Lessons From Asia and Australasia for Effective Health Interventions*. Banwell C, Uligaszek S, Dixon J. editors. Elsevier, 2013; pp 205-214.
8. **Luby S**. Nipah Virus. In: Motarjemi Y. (ed.) *Encyclopedia of Food Safety, Volume 2*, pp. 214-217. Waltham, MA: Academic Press.. Elsevier, 2014.
9. **Luby S**. *Salmonella* Typhi and Paratyphi. In: Motarjemi Y. (ed.) *Encyclopedia of Food Safety, Volume 2*, pp. 214-217. Waltham, MA: Academic Press.. Elsevier, 2014.
10. **Luby SP**, Broder CC. Paramyxoviruses: Henipaviruses. In R.A. Kaslow et al (eds), *Viral Infections of Humans*, DOI 10.1007/978-1-4899-7448-8_22, New York: Springer, 2014
11. **Luby SP**, Gurley ES. Epidemiology of Henipaviruses. In P. Shapshak et al. (eds.), *Global Virology I - Identifying and Investigating Viral Diseases*. New York: Springer, 2014
12. **Luby SP**, Nahar N, Gurley ES. Reducing the risk of foodborne transmission of Nipah virus. In (eds), *Food Safety Risks from Wildlife: Challenges in Agriculture, Conservation and Public Health*. New York: Springer, In Press.

Selected Invited Presentations

“Can public health efforts avert imminent human extinction?” Richard V. Lee, MD Lectureship in Global Health. University at Buffalo. September 9, 2016

“The contribution of water sanitation and hygiene interventions to healthy child growth and interrupting enteric parasite transmission” The 3rd Symposium on Surveillance Response System Leading to Tropical Diseases Elimination. Shanghai June 16, 2016

“Emerging viruses with special emphasis on the epidemiology and natural history of Nipah virus” International Scientific Symposium Institut Pasteur International Network, Paris, France. October 14, 2015

“Evaluating the impact of new vaccine introduction in Bangladesh” Expert Consultation on Measuring the Effectiveness and Impact of Japanese Encephalitis Vaccines. WHO, Geneva, May 27, 2015

"WASH Benefits: Connecting the Environment to Enteropathy" Gut Function Biomarkers Consortium. London, UK, January 29, 2015.

“Nipah virus epidemiology and pandemic risk.” Center for Biodefense and Emerging Infectious Diseases Infectious Disease & Immunity Colloquium University of Texas Medical Branch in Galveston, Texas September 9, 2014

“Human Nipah infection in Bangladesh: Establishing meningoencephalitis surveillance for emerging pathogens.” ASM Biodefense and Emerging Diseases Research Meeting. January 29, 2014

“Water management for a healthy Bangladesh: The need for multi-sector collaboration”. National Public Health Conference. Dhaka, Bangladesh. 15 January, 2013.

“Repeated emergence of Nipah virus in Bangladesh via novel pathways: Lessons for at risk countries”. Prince Mahidol Award Conference. Bangkok, Thailand. 31 January 2013.

“Sanitation and child development.” Program in International and Community Nutrition Seminar. University of California, Davis. 27 Feb 2013.

“Developing and evaluating interventions to reduce pandemic risk — The case of henipaviruses and influenza. Institute of Medicine – Forum on Microbial Threats. Washington DC. September 25, 2013

“Why highly polluting kilns are used to manufacture bricks in Bangladesh”. Brick Manufacturing and Public Health Stakeholders Dialogue. Dhaka, Bangladesh, 1 October 2013

“Global crisis in water supply and quality: The need for innovation.” Water and Health Conference. Chapel Hill, NC, October 16, 2013

“Nipah virus outbreaks in Bangladesh” Asia-Pacific Congress of Medical Virology Adelaide, South Australia, June 7, 2012

“Household water treatment: A failed public health strategy?” Environmental Engineering Seminar. University of California, Berkeley, September 7, 2012

“Global water shortages and health: Agenda for the coming decades.” McKinlay Oration for the Otago International Health Research Annual Conference, Dunedin, New Zealand. November 7, 2012

“Nipah virus in Bangladesh.” Institute of Medicine/Forum on Microbial Threats, Washington DC, USA December 13, 2011

“Cholera: Interrupting transmission with environmental measures” American Society of Tropical Medicine & Hygiene Conference, Atlanta, GA, USA, November 5, 2010

“Epidemiology and prevention of human Nipah virus infection” Plenary presentation The Fourth ASEAN Congress of Tropical Medicine and Parasitology, Singapore, June 2, 2010

“Epidemiology, surveillance and control of Nipah virus infections in Bangladesh.” WHO Joint Intercountry Workshop on Nipah, Hendra and Ebola-Reston viruses, Research and Public Health, Maroochydore, Queensland, Australia, October 13, 2010

“Foodborne transmission of Nipah Virus in Bangladesh”. International Meeting on Emerging Diseases and Surveillance. Vienna, Austria, February 14, 2009

“Water and Health”, Water and Human Well Being Executive Session on Grand Challenges of the Sustainability Transition Venice International University, San Servolo, Italy, July 20, 2009

“What is known and not known about the benefits of hand washing promotion.” 3rd International Health and Hygiene Symposium, Beijing, China, August 12, 2009

“Frontline of the Global Water Crisis: Efforts to Secure Safe Water in High Need Communities” Keynote presentation, OU International WaTER Conference, Norman, Oklahoma, USA, October 27, 2009

“Nipah virus transmission in Bangladesh” International Conference of Emerging Infectious Diseases, Atlanta, GA, USA, March 18, 2008.

“The role for hand washing in improving hygiene and health in low income countries.” Institute Pasteur Euroconference on Hygiene and Health. Paris, France, January 26, 2001

“Injection Safety: The special role of immunization programs.” International Emerging Infectious Disease Conference. Atlanta, GA, USA, July 19, 2000.

“Assessing injection use and safety.” Safe Injection Global Network (SIGN) Initial Meeting. Geneva, Switzerland, October 14, 1999

“Risks of blood transfusion in Karachi” Plenary Session, National HIV Surveillance Conference, Karachi, Pakistan, December 14, 1995.

“A nosocomial outbreak of *Mycobacterium tuberculosis* from an unrecognized case.” American Lung Association. Tuberculosis and Respiratory Diseases Conference. Black Mountain, North Carolina, July 10, 1992

Theses Supervision

1. Jehan I. “The role of interspousal communication in use of modern contraceptives in a middle income area of Karachi” MSc Epidemiology, McGill University 1994
2. NoorAli R. “Does use of a government service depend on how far one lives from the health facility?” MSc Epidemiology, McGill University 1994
3. Quddus, A. “Neonatal tetanus, mortality rates and risk factors, district Loralai, Balochistan” MSc Epidemiology, Aga Khan University, 1998
4. Hozhabri S. “Prevalence and predictors of malaria among febrile children attending the rural health centre of Jhangara, in Sindh, Pakistan” MSc Epidemiology, Aga Khan University, 1999
5. Siddiqui, Azfar A. “Risk of development of clinical tuberculosis among infected individuals identified by a single blood PCR test. MSc Epidemiology, Aga Khan University, 1999.
6. Bari, A. “Risk factors associated with serological status against hepatitis C virus infection: a hospital based case-control study in Islamabad-Rawalpindi, Pakistan.” MSc Epidemiology, Aga Khan University, 1999.
7. Raza, MI. “Factors associated with sexually transmitted diseases among men attending STD clinics in Karachi, Pakistan.” MSc Epidemiology, Aga Khan University, 1999.
8. Laorakpong, Pitaya. “Case control study to evaluate risk factors for typhoid fever in Egypt” MPH, Emory University, 2001.

9. Raza, H. "A case-control study of risk factors for hepatitis B virus infection among adults in Karachi" Msc Epidemiology, Aga Khan University, 2001.
10. Tanaka, Go. "Burden of rotavirus gastroenteritis in children under 5 years of age in Bangladesh: A hospital-based surveillance" MPH, Emory University, 2005
11. Bhuiya, F. "Enteric disease and consumption of street-vended food among children under five years old in Kamalapur, Bangladesh." MPH, Emory University, 2006
12. Alamgir, NI. "Coping strategies for financial burdens in families with ARI." MPH, BRAC University, 2007
13. Chisolm, KV, "Predictors of care-seeking behavior for respiratory illness in children under age five in Dhaka, Bangladesh." MPH, Emory University, 2007
14. Nygren, B. "Household sanitation characteristics as predictors of diarrhea in children in Bangladesh," MPH, Emory University, 2008
15. Najnin N. "Understanding health care seeking behaviour of children under five years of age with fever in urban Dhaka, Bangladesh" MPH, University of Melbourne, 2008
16. Rahman J. "Poverty and Diarrheal Disease in Rural Bangladesh: An evaluation from the SHEWA-B Intervention, ICDDR,B/UNICEF" MPH, Emory University, 2009
17. Titu AMN. "The economic burden of influenza like illness in Bangladesh: A cost of illness study from household perspective in Mirpur, Dhaka" MPH, BRAC University, 2010
18. Khanom GA, "Knowledge on respiratory infection and acceptability of the respiratory hygiene intervention in an urban slum" MPH, BRAC University, 2010
19. Chowdhury M. "Postpartum hospital stay in a tertiary care hospital in Bangladesh: Factors responsible" MPH, BRAC University, 2011

External Thesis Review Committees

Hutin, Y. "Evidence and information for national injection safety policies" PhD Epidemiology, Swiss Tropical Institute, 2003.

Kermode, MA. "Safer injections, fewer infections: management of needles and sharps and occupational blood exposure in rural north Indian health settings" PhD Epidemiology, Deakin University (Australia), 2004.

Danquah L. "Measuring hand washing behaviour in low income settings: methodological and validity issues" PhD School of Social Sciences, University of University of Southampton, Southampton (UK), 2010.

Saha D. “Acute diarrhea in children in rural Gambia: Knowledge, attitude and practice, etiology, risk factors and consequences among children less than 5 years of age.” PhD, University of Otago (New Zealand) 2013.

Clayton, BA, “Nipah viruses from Malaysia and Bangladesh: comparisons of viral infection and shedding, and investigation of transmission in the ferret model.” PhD Veterinary Science, The University of Melbourne (Australia) 2014.

Editorial Roles

Editor, *Health and Science Bulletin*, 2004 – 2012

Section Editor, Emerging Infections, *Journal of Health, Population and Nutrition* (2005 – 2012)

Section Editor, Water and Sanitation, *Journal of Health, Population and Nutrition* (2007 – 2014)

Review Editor, EcoHealth, 2013- current

International Editorial Board, *Journal of Water, Sanitation and Hygiene for Development* (2011 – current)
3IE, Expert Roster

Journal Reviewer (since 2011)

Lancet, *British Medical Journal*, *Emerging Infectious Diseases*, *JAMA*, *PLoS Medicine*, *New England Journal of Medicine*, *Clinical Infectious Diseases*, *Bulletin of the World Health Organization*, *Lancet Infectious Diseases*, *Lancet Global Health*, *Social Science and Medicine*, *American Journal of Tropical Medicine and Hygiene*, *Epidemiology and Infection*, *Vaccine*, *Tropical Medicine and International Health*, *Environmental Science & Technology*, *PLoS One*, *Health Policy and Planning*, *The Pediatric Infectious Disease Journal*, *PLoS Neglected Tropical Diseases*, *Water Research*, *Journal of Water and Health*, *American Journal of Infection Control*, *International Journal of Infectious Diseases*, *Journal of Environmental Management*, *Review of Environmental Health*, *Preventive Medicine*, *Journal of Water Sanitation and Hygiene for Development*, *International Journal of Environmental Health Research*, *Journal of Environmental Research and Public Health*, *BMC Public Health*

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